

APPENDIX A

Air Quality and Greenhouse Gasses

SMART Construction

San Francisco Bay Area Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	20.00	1000sqft	0.46	20,000.00	0
Other Asphalt Surfaces	2.53	Acre	2.53	110,206.80	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2016
Utility Company					
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Conservative construction schedule

Off-road Equipment - average construction equipment

Off-road Equipment - average construction equipment

Off-road Equipment - average construction equipment

Off-road Equipment - average construction equipment

Off-road Equipment -

Trips and VMT - On-road emissions modeled off model

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	220.00	66.00
tblConstructionPhase	NumDays	220.00	195.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	220.00	66.00
tblConstructionPhase	PhaseEndDate	2/2/2016	12/31/2015
tblConstructionPhase	PhaseEndDate	9/30/2015	12/31/2015
tblConstructionPhase	PhaseEndDate	9/1/2015	6/30/2015
tblConstructionPhase	PhaseEndDate	12/31/2015	7/31/2015
tblConstructionPhase	PhaseStartDate	1/1/2016	12/1/2015
tblConstructionPhase	PhaseStartDate	7/1/2015	10/1/2015
tblConstructionPhase	PhaseStartDate	8/1/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	10/1/2015	5/1/2015
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	89.00	149.00
tblOffRoadEquipment	HorsePower	97.00	75.00
tblOffRoadEquipment	HorsePower	125.00	89.00
tblOffRoadEquipment	HorsePower	97.00	75.00
tblOffRoadEquipment	HorsePower	226.00	208.00
tblOffRoadEquipment	HorsePower	162.00	157.00
tblOffRoadEquipment	HorsePower	97.00	75.00
tblOffRoadEquipment	HorsePower	162.00	157.00
tblOffRoadEquipment	HorsePower	130.00	82.00
tblOffRoadEquipment	LoadFactor	0.41	0.45
tblOffRoadEquipment	OffRoadEquipmentType	Cranes	Graders
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	Pavers	Excavators

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2016
tblTripsAndVMT	VendorTripNumber	21.00	0.00
tblTripsAndVMT	VendorTripNumber	21.00	0.00
tblTripsAndVMT	VendorTripNumber	21.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	53.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6594	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004
Energy	2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868
Mobile	0.1114	0.2633	1.1474	2.1200e-003	0.1483	3.3900e-003	0.1517	0.0398	3.1200e-003	0.0429	0.0000	168.6793	168.6793	7.4000e-003	0.0000	168.8346
Waste						0.0000	0.0000		0.0000	0.0000	3.7756	0.0000	3.7756	0.2231	0.0000	8.4614
Water						0.0000	0.0000		0.0000	0.0000	1.1277	0.0000	1.1277	0.1158	2.7300e-003	4.4080
Total	0.7730	0.2832	1.1643	2.2400e-003	0.1483	4.9000e-003	0.1532	0.0398	4.6300e-003	0.0444	4.9034	190.3347	195.2381	0.3468	3.1300e-003	203.4912

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6594	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004
Energy	2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868
Mobile	0.1114	0.2633	1.1474	2.1200e-003	0.1483	3.3900e-003	0.1517	0.0398	3.1200e-003	0.0429	0.0000	168.6793	168.6793	7.4000e-003	0.0000	168.8346
Waste						0.0000	0.0000		0.0000	0.0000	3.7756	0.0000	3.7756	0.2231	0.0000	8.4614
Water						0.0000	0.0000		0.0000	0.0000	1.1277	0.0000	1.1277	0.1158	2.7300e-003	4.4080
Total	0.7730	0.2832	1.1643	2.2400e-003	0.1483	4.9000e-003	0.1532	0.0398	4.6300e-003	0.0444	4.9034	190.3347	195.2381	0.3468	3.1300e-003	203.4912

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Rail Work	Building Construction	1/1/2015	9/30/2015	5	195	
2	Trestle Work	Building Construction	5/1/2015	7/31/2015	5	66	
3	Multi-Use Path/Parking Lot	Paving	6/1/2015	6/30/2015	5	22	
4	Larkspur Station	Building Construction	10/1/2015	12/31/2015	5	66	
5	Station Coating	Architectural Coating	12/1/2015	12/31/2015	5	23	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 195,310; Non-Residential Outdoor: 65,103 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Station Coating	Air Compressors	1	6.00	78	0.48
Multi-Use Path/Parking Lot	Cement and Mortar Mixers	1	8.00	9	0.56
Rail Work	Cranes	1	8.00	226	0.29
Larkspur Station	Generator Sets	0	0.00	84	0.74
Larkspur Station	Graders	1	4.00	162	0.45
Larkspur Station	Forklifts	1	6.00	149	0.20
Larkspur Station	Cranes	1	8.00	226	0.29
Rail Work	Tractors/Loaders/Backhoes	1	6.00	75	0.37
Trestle Work	Cranes	1	8.00	208	0.29
Rail Work	Forklifts	2	7.00	89	0.20
Trestle Work	Forklifts	2	7.00	89	0.20
Larkspur Station	Tractors/Loaders/Backhoes	1	6.00	75	0.37
Multi-Use Path/Parking Lot	Rollers	2	8.00	80	0.38
Multi-Use Path/Parking Lot	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rail Work	Excavators	1	4.00	157	0.38
Multi-Use Path/Parking Lot	Pavers	1	6.00	89	0.42
Trestle Work	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Larkspur Station	Welders	0	0.00	46	0.45
Rail Work	Generator Sets	0	0.00	84	0.74
Trestle Work	Generator Sets	0	0.00	84	0.74
Multi-Use Path/Parking Lot	Excavators	1	4.00	157	0.38
Multi-Use Path/Parking Lot	Paving Equipment	1	6.00	82	0.36
Rail Work	Welders	0	0.00	46	0.45
Trestle Work	Welders	0	0.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Rail Work	5	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trestle Work	4	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Multi-Use Path/Parking Lot	7	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Larkspur Station	4	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Station Coating	1	0.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Rail Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1536	1.6365	0.8163	1.2400e-003		0.0955	0.0955		0.0878	0.0878	0.0000	117.8257	117.8257	0.0352	0.0000	118.5644
Total	0.1536	1.6365	0.8163	1.2400e-003		0.0955	0.0955		0.0878	0.0878	0.0000	117.8257	117.8257	0.0352	0.0000	118.5644

3.2 Rail Work - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1536	1.6365	0.8163	1.2400e-003		0.0955	0.0955		0.0878	0.0878	0.0000	117.8255	117.8255	0.0352	0.0000	118.5642
Total	0.1536	1.6365	0.8163	1.2400e-003		0.0955	0.0955		0.0878	0.0878	0.0000	117.8255	117.8255	0.0352	0.0000	118.5642

3.2 Rail Work - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Trestle Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0457	0.4748	0.2287	3.4000e-004		0.0291	0.0291		0.0268	0.0268	0.0000	32.3030	32.3030	9.6400e-003	0.0000	32.5055
Total	0.0457	0.4748	0.2287	3.4000e-004		0.0291	0.0291		0.0268	0.0268	0.0000	32.3030	32.3030	9.6400e-003	0.0000	32.5055

3.3 Trestle Work - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0457	0.4748	0.2287	3.4000e-004		0.0291	0.0291		0.0268	0.0268	0.0000	32.3030	32.3030	9.6400e-003	0.0000	32.5055
Total	0.0457	0.4748	0.2287	3.4000e-004		0.0291	0.0291		0.0268	0.0268	0.0000	32.3030	32.3030	9.6400e-003	0.0000	32.5055

3.3 Trestle Work - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Multi-Use Path/Parking Lot - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0214	0.2015	0.1304	1.8000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	16.4664	16.4664	4.8200e-003	0.0000	16.5676
Paving	3.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0247	0.2015	0.1304	1.8000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	16.4664	16.4664	4.8200e-003	0.0000	16.5676

3.4 Multi-Use Path/Parking Lot - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0214	0.2015	0.1304	1.8000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	16.4664	16.4664	4.8200e-003	0.0000	16.5676
Paving	3.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0247	0.2015	0.1304	1.8000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	16.4664	16.4664	4.8200e-003	0.0000	16.5676

3.4 Multi-Use Path/Parking Lot - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Larkspur Station - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0567	0.6195	0.2774	4.1000e-004		0.0331	0.0331		0.0304	0.0304	0.0000	39.5046	39.5046	0.0118	0.0000	39.7522
Total	0.0567	0.6195	0.2774	4.1000e-004		0.0331	0.0331		0.0304	0.0304	0.0000	39.5046	39.5046	0.0118	0.0000	39.7522

3.5 Larkspur Station - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0567	0.6195	0.2774	4.1000e-004		0.0331	0.0331		0.0304	0.0304	0.0000	39.5045	39.5045	0.0118	0.0000	39.7522
Total	0.0567	0.6195	0.2774	4.1000e-004		0.0331	0.0331		0.0304	0.0304	0.0000	39.5045	39.5045	0.0118	0.0000	39.7522

3.5 Larkspur Station - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Station Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5088					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6800e-003	0.0296	0.0219	3.0000e-005		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	2.9362	2.9362	3.8000e-004	0.0000	2.9443
Total	1.5135	0.0296	0.0219	3.0000e-005		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	2.9362	2.9362	3.8000e-004	0.0000	2.9443

3.6 Station Coating - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5088					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6800e-003	0.0296	0.0219	3.0000e-005		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	2.9362	2.9362	3.8000e-004	0.0000	2.9443
Total	1.5135	0.0296	0.0219	3.0000e-005		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	2.9362	2.9362	3.8000e-004	0.0000	2.9443

3.6 Station Coating - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1114	0.2633	1.1474	2.1200e-003	0.1483	3.3900e-003	0.1517	0.0398	3.1200e-003	0.0429	0.0000	168.6793	168.6793	7.4000e-003	0.0000	168.8346
Unmitigated	0.1114	0.2633	1.1474	2.1200e-003	0.1483	3.3900e-003	0.1517	0.0398	3.1200e-003	0.0429	0.0000	168.6793	168.6793	7.4000e-003	0.0000	168.8346

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	220.20	47.40	19.60	398,747	398,747
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	220.20	47.40	19.60	398,747	398,747

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.546434	0.062864	0.174629	0.123506	0.034170	0.004889	0.015456	0.023695	0.002073	0.003288	0.006639	0.000690	0.001668

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868
NaturalGas Unmitigated	2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	405800	2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	405800	2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1900e-003	0.0199	0.0167	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	21.6550	21.6550	4.2000e-004	4.0000e-004	21.7868

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	277600	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	277600	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6594	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004
Unmitigated	0.6594	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1509					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5085					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004
Total	0.6594	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1509					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5085					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004
Total	0.6594	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-004	4.0000e-004	0.0000	0.0000	4.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.1277	0.1158	2.7300e-003	4.4080
Unmitigated	1.1277	0.1158	2.7300e-003	4.4080

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.55467 / 2.17867	1.1277	0.1158	2.7300e-003	4.4080
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.1277	0.1158	2.7300e-003	4.4080

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.55467 / 2.17867	1.1277	0.1158	2.7300e-003	4.4080
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.1277	0.1158	2.7300e-003	4.4080

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.7756	0.2231	0.0000	8.4614
Unmitigated	3.7756	0.2231	0.0000	8.4614

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	18.6	3.7756	0.2231	0.0000	8.4614
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		3.7756	0.2231	0.0000	8.4614

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	18.6	3.7756	0.2231	0.0000	8.4614
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		3.7756	0.2231	0.0000	8.4614

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

**SMART Downtown San Rafael to Larkspur Extension Project
Construction and Operational Emissions Summary**

Construction Emissions	Pollutants (tons)					Metric Tons CO ₂ e
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	
Off-Road Construction Equipment	1.79	2.96	1.47	0.17	0.16	210
On-Road Haul Trucks	0.03	1.25	0.16	0.03	0.02	212
Construction Worker Vehicles	0.01	0.10	0.27	0.02	0.01	83
Total Construction Emissions	1.84	4.32	1.90	0.22	0.19	505

Operational Emissions	Pollutants (tons)					Metric Tons CO ₂ e
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	
Trains	0.03	1.25	0.38	0.06	0.06	170
Rider Commute	1.53	11.64	30.11	1.79	1.04	8,849
Total Operational Emissions	1.56	12.88	30.49	1.85	1.10	9,019

SMART San Rafael to Larkspur Rail
Construction Assumptions and Emissions

Construction Assumptions							Emissions (tons/year)					
Construction Phase	Start Date	End Date	Amount	Hours/Day	Horsepower	Load Factor	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	Metric Tons CO _{2e}
Rail Work (Building Construction)	1/1/2015	9/30/2015					0.154	1.637	0.816	0.096	0.088	118.56
Backhoe			1	6	75	0.37						
Excavator			1	4	157	0.38						
Trestle Work (Building Construction)	5/1/2015	7/31/2015					0.046	0.475	0.229	0.029	0.027	32.51
Crane			1	8	208	0.29						
Backhoe			1	8	75	0.37						
Multi-Use Pathway/Parking Lot	6/1/2015	6/30/2015					0.025	0.202	0.130	0.015	0.013	16.57
Paver			1	6	89	0.42						
Excavator			1	4	157	0.38						
Paving Equipment			1	6	82	0.36						
Larkspur Station (Building Construction)	10/1/2015	12/31/2015					0.057	0.620	0.277	0.033	0.030	39.75
Backhoe			1	6	75	0.37						
Forklift			1	6	149	0.20						
Grader			1	4	162	0.45						
Station Coating							1.514	0.030	0.022	0.003	0.003	2.94
Total Off-Road Equipment							1.79	2.96	1.47	0.17	0.16	210.33

Haul Truck Trips	Assumptions					Emissions (tons/year)					
	Average Trips Per Day	Total Work Days	Total One-Way Trips	One-Way Trip Length (miles)	Total VMT	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	Metric Tons CO _{2e}
Rail Work	4	195	1560	30	46,800	0.01	0.51	0.06	0.01	0.01	86.01
Trestle Work	12	66	1584	30	47,520	0.01	0.52	0.06	0.01	0.01	87.33
Multi-Use Pathway	4	22	176	30	5,280	0.00	0.06	0.01	0.00	0.00	9.70
Larkspur Station	4	66	528	30	15,840	0.00	0.17	0.02	0.00	0.00	29.11
Total						0.03	1.25	0.16	0.03	0.02	212.15

Construction Worker Trips	Assumptions					Emissions (tons/year)					
	Average Trips Per Day	Total Work Days	Total Trips	One-Way Trip Length (miles)	Total VMT	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	Metric Tons CO _{2e}
Rail Work	10	195	3900	30	117,000	0.01	0.06	0.15	0.01	0.01	46.33
Trestle Work	10	66	1320	30	39,600	0.00	0.02	0.05	0.00	0.00	15.68
Multi-Use Pathway	10	22	440	30	13,200	0.00	0.01	0.02	0.00	0.00	5.23
Larkspur Station	10	66	1320	30	39,600	0.00	0.02	0.05	0.00	0.00	15.68
Total						0.01	0.10	0.27	0.02	0.01	82.91

On-Road Emission Factors (Year 2015 SFBAAB)

Vehicle Type	Emission Factors (g/mile)					
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	CO _{2e}
Construction Workers (LDA-LDT1&2)	0.059	0.449	1.161	0.069	0.040	376.143
Haul Trucks (HHDT)	0.273	9.852	1.223	0.245	0.171	1745.903

SMART San Rafael to Larkspur Rail
Operational Assumptions and Emissions

Activity Data

Day Type	Number of One-Way Trips	Trip Distance	Total Distance Per Day	Days/Year	Distance/Year	Fuel Usage (gallons/year)	Idling Time Per Stop (minutes)	Idling Time Per Year (hr/yr)
Weekday	40	2.1	84	260	21,840	16,380	3	1040
Weekend	8	2.1	16.8	104	1,747	1,310	3	83.2
Total					23,587	17,690		1,123

Train Emissions

Pollutant	Running Emission Factor	Units	Idling Emission Factor	Units	Annual Rail Emissions (tons/yr; MT/yr)
ROG/HC	1.33	g/gallon	4.52	g/hr	0.03
NOX	58.24	g/gallon	90.3	g/hr	1.25
CO	18.95	g/gallon	12.1	g/hr	0.38
PM ₁₀	2.83	g/gallon	0.53	g/hr	0.06
PM _{2.5}	2.83	g/gallon	0.53	g/hr	0.06
CO ₂	0.01	tons/gallon	5217	g/hr	169.63

Rider Trip Emissions

Category	Daily Trips	One-Way Trip Distance (miles)	Emissions (tons/yr or MT/yr)					
			ROG	NO _x	CO	PM ₁₀	PM _{2.5}	CO _{2e}
Riders	1130	30	1.53	11.64	30.11	1.79	1.04	8,849

Assumes 30 mile one-way trip distance and 347 days per year

Diesel Multiple Units

Mileage	2	mpg (diesel)
	1.96	mpg (biodiesel)
Conversion	20.8	bhp-hr/gallon diesel
Energy	0.130	MMBtu/gallon

New Engines	
0.75	fuel efficiency

Emission Factor

Pollutant	Running	Idling
CO ₂	0.0788 tons/MMBtu	5217 g/hr
NO _x	2.8 g/bhp-hr	90.3 g/hr
CO	0.911 g/bhp-hr	12.1 g/hr
HC	0.064 g/bhp-hr	4.52 g/hr
Particulates	0.136 g/bhp-hr	0.53 g/hr

Source: US Rail

Source: Emissions data

APPENDIX B

Biological Resources

United States Department of the Interior



FISH AND WILDLIFE SERVICE

Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W-2605
Sacramento, California 95825



June 27, 2014

Document Number: 140627011318

Luke Evans
AECOM
300 California Street Suite 500
San Francisco, CA 94104

Subject: Species List for SMART Downtown San Rafael to Larkspur Extension Project

Dear: Mr. Evans

We are sending this official species list in response to your June 27, 2014 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be September 25, 2014.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found http://www.fws.gov/sacramento/es/Branch-Contacts/es_branch-contacts.htm.

Endangered Species Division

U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office
Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the Counties and/or
U.S.G.S. 7 1/2 Minute Quads you requested

Document Number: 140627011825

Current as of: June 27, 2014

Quad Lists

Listed Species

Invertebrates

- Haliotes cracherodii*
black abalone (E) (NMFS)
- Haliotes sorenseni*
white abalone (E) (NMFS)
- Icaricia icarioides missionensis*
mission blue butterfly (E)
- Speyeria zerene myrtleae*
Myrtle's silverspot butterfly (E)

Fish

- Eucyclogobius newberryi*
tidewater goby (E)
- Hypomesus transpacificus*
delta smelt (T)
- Oncorhynchus kisutch*
coho salmon - central CA coast (E) (NMFS)
Critical habitat, coho salmon - central CA coast (X) (NMFS)
- Oncorhynchus mykiss*
Central California Coastal steelhead (T) (NMFS)
Central Valley steelhead (T) (NMFS)
Critical habitat, Central California coastal steelhead (X) (NMFS)
- Oncorhynchus tshawytscha*
California coastal chinook salmon (T) (NMFS)
Central Valley spring-run chinook salmon (T) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

- Rana draytonii*
California red-legged frog (T)

Birds

- Brachyramphus marmoratus*
Critical habitat, marbled murrelet (X)
marbled murrelet (T)
- Charadrius alexandrinus nivosus*
western snowy plover (T)
- Diomedea albatrus*
short-tailed albatross (E)
- Pelecanus occidentalis californicus*
California brown pelican (E)
- Rallus longirostris obsoletus*
California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni
California least tern (E)

Strix occidentalis caurina
northern spotted owl (T)

Mammals

Arctocephalus townsendi
Guadalupe fur seal (T) (NMFS)

Balaenoptera borealis
sei whale (E) (NMFS)

Balaenoptera musculus
blue whale (E) (NMFS)

Balaenoptera physalus
finback (=fin) whale (E) (NMFS)

Eubalaena (=Balaena) *glacialis*
right whale (E) (NMFS)

Physeter catodon (=macrocephalus)
sperm whale (E) (NMFS)

Reithrodontomys raviventris
salt marsh harvest mouse (E)

Plants

Hesperolinon congestum
Marin dwarf-flax (=western flax) (T)

Holocarpha macradenia
Santa Cruz tarplant (T)

Pentachaeta bellidiflora
white-rayed pentachaeta (E)

Trifolium amoenum
showy Indian clover (E)

Quads Containing Listed, Proposed or Candidate Species:

SAN RAFAEL (467A)

County Lists

Marin County

Listed Species

Invertebrates

Branchinecta conservatio
Conservancy fairy shrimp (E)

Haliotes cracherodii
black abalone (E) (NMFS)

Haliotes sorenseni
white abalone (E) (NMFS)

Icaricia icarioides missionensis
mission blue butterfly (E)

Speyeria callippe callippe
callippe silverspot butterfly (E)

Speyeria zerene myrtleae

Myrtle's silverspot butterfly (E)

Syncaris pacifica
California freshwater shrimp (E)

Fish

Acipenser medirostris
green sturgeon (T) (NMFS)

Eucyclogobius newberryi
critical habitat, tidewater goby (X)
tidewater goby (E)

Hypomesus transpacificus
delta smelt (T)

Oncorhynchus kisutch
coho salmon - central CA coast (E) (NMFS)
Critical habitat, coho salmon - central CA coast (X) (NMFS)

Oncorhynchus mykiss
Central California Coastal steelhead (T) (NMFS)
Central Valley steelhead (T) (NMFS)
Critical habitat, Central California coastal steelhead (X) (NMFS)
Critical habitat, Central Valley steelhead (X) (NMFS)

Oncorhynchus tshawytscha
California coastal chinook salmon (T) (NMFS)
Central Valley spring-run chinook salmon (T) (NMFS)
Critical habitat, winter-run chinook salmon (X) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense
California tiger salamander, central population (T)
California tiger salamander, Sonoma Co. pop (E)

Rana draytonii
California red-legged frog (T)
Critical habitat, California red-legged frog (X)

Reptiles

Caretta caretta
loggerhead turtle (T) (NMFS)

Chelonia mydas (incl. agassizi)
green turtle (T) (NMFS)

Dermochelys coriacea
leatherback turtle (E) (NMFS)

Lepidochelys olivacea
olive (=Pacific) ridley sea turtle (T) (NMFS)

Masticophis lateralis euryxanthus
Alameda whipsnake [=striped racer] (T)

Birds

Brachyramphus marmoratus
Critical habitat, marbled murrelet (X)
marbled murrelet (T)

Charadrius alexandrinus nivosus
Critical habitat, western snowy plover (X)
western snowy plover (T)

Diomedea albatrus
short-tailed albatross (E)

Pelecanus occidentalis californicus
California brown pelican (E)

Rallus longirostris obsoletus
California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni
California least tern (E)

Strix occidentalis caurina
northern spotted owl (T)

Mammals

Arctocephalus townsendi
Guadalupe fur seal (T) (NMFS)

Balaenoptera borealis
sei whale (E) (NMFS)

Balaenoptera musculus
blue whale (E) (NMFS)

Balaenoptera physalus
finback (=fin) whale (E) (NMFS)

Enhydra lutris nereis
southern sea otter (T)

Eubalaena (=Balaena) glacialis
right whale (E) (NMFS)

Eumetopias jubatus
Critical Habitat, Steller (=northern) sea-lion (X) (NMFS)
Steller (=northern) sea-lion (T) (NMFS)

Physeter catodon (=macrocephalus)

sperm whale (E) (NMFS)

Reithrodontomys raviventris
salt marsh harvest mouse (E)

Plants

Alopecurus aequalis var. *sonomensis*
Sonoma alopecurus (E)

Arctostaphylos hookeri ssp. *ravenii*
Presidio (=Raven's) manzanita (E)

Arenaria paludicola
marsh sandwort (E)

Calochortus tiburonensis
Tiburon mariposa lily (T)

Castilleja affinis ssp. *neglecta*
Tiburon paintbrush (E)

Chorizanthe robusta var. *robusta*
robust spineflower (E)

Chorizanthe valida
Sonoma spineflower (E)

Clarkia franciscana
Presidio clarkia (E)

Cordylanthus mollis ssp. *mollis*
soft bird's-beak (E)

Delphinium bakeri
Baker's larkspur (E)
Critical habitat, Baker's larkspur (X)

Delphinium luteum
Critical habitat, yellow larkspur (X)
yellow larkspur (E)

Hesperolinon congestum
Marin dwarf-flax (=western flax) (T)

Holocarpha macradenia
Santa Cruz tarplant (T)

Lasthenia conjugens
Contra Costa goldfields (E)
Critical habitat, Contra Costa goldfields (X)

Layia carnosa

beach layia (E)

Lessingia germanorum

San Francisco lessingia (E)

Lilium pardalinum ssp. pitkinense

Pitkin Marsh lily (E)

Limnanthes vinculans

Sebastopol meadowfoam (E)

Lupinus tidestromii

clover lupine [Tidestrom's lupine] (E)

Pentachaeta bellidiflora

white-rayed pentachaeta (E)

Potentilla hickmanii

Hickman's potentilla (=cinquefoil) (E)

Streptanthus niger

Tiburon jewelflower (E)

Trifolium amoenum

showy Indian clover (E)

Proposed Species

Plants

Arctostaphylos Franciscana

Critical Habitat, Franciscan Manzanita (X)

Cordylanthus mollis ssp. mollis

Critical habitat, soft bird's-beak (PX)

Key:

(E) *Endangered* - Listed as being in danger of extinction.

(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.

(P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.
During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.
- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [Map Room](#) page.

Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be September 25, 2014.

Draft Biological Resources Technical Report

Sonoma-Marín Area Rail Transit Downtown San Rafael-Larkspur Extension



Prepared for:



Prepared by:

AECOM

April 2013, updated June 2014

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List of Attachments

- Attachment A: Figures
- Attachment B: Representative Photographs
- Attachment C: Preliminary Delineation of Waters of the United States, Including Wetlands
- Attachment D: Species Table

Acronyms and Abbreviations

CDFW	California Department of Fish and Wildlife
CNDDB	California Natural Diversity Database
DEIR	Draft Environmental Impact Report
FEIR	Final Environmental Impact Report
NEPA	National Environmental Policy Act
project	Downtown San Rafael-Larkspur Extension
ROW	right-of-way
SMART	Sonoma-Marin Area Rail Transit
USFWS	U.S. Fish and Wildlife Service

1 INTRODUCTION

The Sonoma-Marín Area Rail Transit (SMART) Downtown San Rafael-Larkspur Extension (project) would involve construction, operation, and maintenance of an approximately 2-mile-long passenger rail corridor in Marin County, California (shown in Attachment A, Figures). This rail corridor would be developed as Phase 2 of the larger SMART project that currently is under construction.

The project purpose is to improve the transit connection between downtown San Rafael and Larkspur Landing by providing a passenger rail service between these locations. This project is part of the greater SMART program, intended to provide a passenger rail service from northern Sonoma County south along Highway 101 to Larkspur Landing at the southern terminus. This would improve local and regional travel and, by extension, improve mobility in the congested north-south U.S. Highway 101 traffic corridor in Marin and Sonoma counties.

The project would be located within an unused rail corridor that begins in downtown San Rafael at the planned Downtown San Rafael Station, near the intersection of 3rd Street and Tamalpais Avenue. From there, the rail corridor travels approximately 0.1 mile south, crossing San Rafael Creek before traveling southeast for approximately 1.4 miles to the northern entrance of the Cal Park Hill Tunnel. The rail corridor then travels through the Cal Park Hill Tunnel for approximately 0.2 mile, before emerging from the southern end of the tunnel, and continues approximately 0.3 mile along the eastern edge of Highway 101 in Larkspur before terminating at the planned Larkspur Station.

Construction of the project would require restoration of the existing railroad corridor, including removal and replacement of railroad tracks, removal of uses encroaching within the rail right-of-way (ROW), and replacement of dilapidated wooden trestles. All work along the rail corridor would be confined to the existing ROW, which varies in width from approximately 50 to 125 feet. Approximately 0.2 mile of the rail alignment passes through the existing Cal Park Hill Tunnel. The tunnel was restored in 2010 and is lined on the interior with refinished stucco. The tunnel also contains an enclosed bike path along its eastern side, dividing the tunnel into two sections. No structural tunnel upgrades, other than the installation of tracks and other hardware, would be necessary.

As part of an overall National Environmental Policy Act (NEPA) review, this Biological Resources Technical Report focuses on potential effects to sensitive land-based biological resources that are protected by federal laws along the project corridor and presents preferable mitigation measures. These sensitive biological resources include land-based species that are protected by the Endangered Species Act and/or Migratory Bird Treaty Act. A separate Biological Assessment addressing aquatic species and habitat has been prepared under separate cover.

2 METHODOLOGY

2.1 BACKGROUND RESEARCH

The following sources were reviewed to identify sensitive biological resources that have the potential to occur in the general project vicinity:

- California Natural Diversity Database (CNDDDB) (CDFW 2013b)
- California Native Plant Society's Inventory of Rare and Endangered Plants (California Native Plant Society 2013)
- U.S. Fish and Wildlife Service (USFWS) critical habitat portal (USFWS 2013a)
- USFWS National Wetlands Inventory (USFWS 2013d)
- USFWS Sacramento Branch Endangered Species Program (USFWS 2013b)
- California Avian Data Center (California Avian Data Center 2013)

Based on this research, a target list of federally listed species with known occurrences within 5 miles of the project corridor was developed. CNDDDB Occurrence Map in Attachment A: Figures, depicts these occurrences. Lists of known bird surveys in the area were also reviewed to determine the types of migratory bird species that may be present. Additional literature regarding these federally listed species was reviewed, including 5-year reviews and federal endangered species recovery plans, to further assess habitat suitability and potential project effects. Effects on species were only considered for those listed, proposed, or candidates for listing as threatened or endangered under the Endangered Species Act or protected by the Migratory Bird Treaty Act.

The 2005 Environmental Impact Report (EIR) prepared for the SMART project was also reviewed to determine how effects on sensitive biological resources were assessed at that time.

2.2 FIELD SURVEY

On January 14, 2013, AECOM biologists DJ Allison, Kristin Tremain, and Kristina Bischel conducted a reconnaissance-level survey of the project corridor and immediate vicinity. Specifically, the study area included the railroad tracks (including the Cal Park Hill Tunnel), ROW, and an approximately 100-foot buffer along the edge of the ROW, where access was permissible. The study area was surveyed to assess habitat suitability for sensitive biological resources to be present and/or affected by the project. As a means of determining what sensitive biological resources may be present, vegetation communities were recorded. Wildlife and plant species that were observed also were recorded.

3 FIELD SURVEY RESULTS

3.1 VEGETATION COMMUNITIES/LAND COVER TYPES

The majority of the study area is located within previously disturbed or otherwise urban environments; however, some natural habitats exist adjacent to the ROW. In general, non-native plants and noxious weed species dominate the study area. Photographs of the study area, taken during the field assessment, are provided in Attachment B: Representative Photographs.

3.1.1 Urban/Ruderal

Urban/ruderal habitat is comprised of paved or developed areas, as well as previously disturbed landscapes within the ROW, where vegetation is sparse and natural communities are absent. Urban/ruderal habitat is the most common vegetation community present in the project area, covering the majority of the ROW and areas adjacent to the ROW, which generally lack vegetation except for scattered herbaceous weeds. Common non-native plant species found in this habitat include wild oats (*Avena* spp.), bull thistle (*Cirsium vulgare*), fennel (*Foeniculum vulgare*), annual rye (*Lolium multiflorum*), woolly mullein (*Verbascum thapsus*), Harding grass (*Phalaris aquatica*), and Italian thistle (*Carduus pycnocephalus*). Scattered patches of non-native scotch broom (*Cytisus scoparius*) and pampas grass (*Cortaderia* spp.) are also present. One small stand of ornamental trees is present along the edge of a parking lot bordering the ROW, near the southern extent of the Cal Park Hill Tunnel. Because the Cal Park Hill Tunnel lacks light, it does not contain any vegetation. The tunnel was refinished in 2010, including a new interior stucco lining. As such, there is no suitable refuge, nesting, or roosting habitat for native wildlife.

3.1.2 Brackish Marsh/Open Water

Brackish marsh and open water habitat in the project area is present where tidally influenced freshwater systems are present—mainly along San Rafael Creek south of 2nd Street and an unnamed channel bordering the ROW from the intersection of Irwin Street and West Francisco Boulevard to approximately 1,200 feet southeast of Rice Drive. These two waterways generally are characterized by open water that is devoid of vegetation, but some brackish marsh vegetation is present in select locations along the margins of the two features. Vegetation present along the banks of these features includes cattails (*Typha* spp.), gumplant (*Grindelia* spp.), fennel, Bermuda grass (*Cynodon dactylon*), and other non-native grasses. In isolated locations, individual pickleweed plants (*Salicornia virginica*) are also present. Generally, these habitats are highly disturbed by channelization and shoring, and provide little to no estuarine, upland, or transitional habitats. Additional information regarding these waterways is provided in Attachment C, Preliminary Delineation of Waters of the United States, Including Wetlands.

3.1.3 Seasonal Wetland

One seasonal wetland feature is present in the project area and is located along the edge of the ROW between Rice Drive and Anderson Drive. The feature is comprised of an assemblage of species, including sedges (*Cyperus* spp.), rough cocklebur (*Xanthium strumarium*), curly dock (*Rumex crispus*), bristly ox tongue (*Helminthotheca echiodes*) Himalayan blackberry (*Rubus armeniacus*), and annual rye. The feature holds water only during a portion of the year and contains only non-persistent wetland vegetation. The wetland feature is present along the edge of the ROW where water naturally pools during precipitation events or from runoff. The feature is small and of poor quality and is dominated by non-native species. More detailed information regarding seasonal wetlands in the project corridor is provided in Attachment C, Preliminary Delineation of Waters of the United States, Including Wetlands.

3.1.4 Freshwater Marsh

Three freshwater marsh features have been identified in the project area at the following locations: 1) near the north side of the Cal Park Hill Tunnel, 2) immediately south of the Anderson Drive crossing, and 3) between Rice Drive and Anderson Drive. These freshwater marsh habitats are dominated by obligate wetland species, including cattails (*Typha* sp.) and watercress (*Nasturtium officinale*). Other species present include willow (*Salix* spp.), tall flatsedge (*Cyperus eragrostis*), and bristly ox tongue. The freshwater marsh habitats are small and of very low quality, are typically dominated by non-native species, and often containing large amounts of refuse. More detailed information regarding freshwater marshes in the project corridor is provided in Attachment C, Preliminary Delineation of Waters of the United States, Including Wetlands.

3.1.5 California Bay Woodland

California bay woodland is present above the northern end of the Cal Park Tunnel, outside of the ROW but within the study area. California bay woodland in the study area is dominated by a dense canopy of California bay laurel (*Umbellularia californica*), with sparse understory vegetation, typically comprised of common polypody (*Polypodium calirhiza*), California maidenhair (*Adiantum jordanii*), and scotch broom.

3.1.6 Coyote Brush Scrub

Coyote brush scrub in the study area is dominated by coyote brush (*Baccharis pilularis*), but also contains an assemblage of native and non-native species, including coast live oak (*Quercus agrifolia*), poison oak (*Toxicodendron diversilobum*), scotch broom, and non-native grasses. Coyote brush scrub is present above the southern end of the Cal Park Tunnel, outside of the ROW but within the study area.

3.2 SENSITIVE LAND-BASED BIOLOGICAL RESOURCES

3.2.1 Federally listed Species

Based on a review of background literature and species occurrence records, seven federally listed plants and five federally listed wildlife species were evaluated to determine whether suitable habitat is present in the study area. AECOM determined that all of the species evaluated had no potential to occur in the study area. All of the species are presumed absent because of a lack of suitable habitat in the project corridor and/or an overall absence from the greater Marin County area. The potential for these species to be present is summarized in Attachment D, Species Table.

3.2.2 Migratory Birds

Because the project would be operated within an existing rail corridor, generally devoid of vegetation, the project corridor is not anticipated to feature high bird diversity or abundance. Nonetheless, several species of birds were observed during the field survey, including mallard (*Anas platyrhynchos*), snowy egret (*Egretta thula*), common raven (*Corvus corax*), and western scrub-jay (*Aphelocoma californica*). Potential nesting and foraging habitat for birds is present, along the unnamed channel bordering the ROW north of Anderson Road and within ornamental and native vegetation bordering the corridor south of the Cal Park Tunnel. Evidence of previous swallow nesting also was observed beneath the Highway 101 overpass; thus, nesting may take place at this location in the future.

4 EFFECTS TO SENSITIVE LAND-BASED BIOLOGICAL RESOURCES

The following discussion describes potential effects on sensitive land-based biological resources that could occur in the project corridor. Resources that were determined not likely to be present are not discussed because no effects would occur on them.

4.1 FEDERALLY LISTED SPECIES

Based on the information contained above, no sensitive terrestrial plant or wildlife species are likely to occur in the project area. This is largely based upon the lack of suitable habitat and the highly developed and disturbed nature of the ROW and adjoining areas. There would be no adverse effect to federally listed land-based sensitive species.

4.2 MIGRATORY BIRDS

4.2.1 Direct Effects

Construction activities could affect migratory birds nesting in vegetation, in or adjacent to work areas. Because the majority of the ROW is devoid of brush and trees, trimming or removal of vegetation that could support nesting generally would be limited, and as such, the destruction of

nests is not anticipated to occur. Equipment noise, vibration, lighting, and other human-related disturbance could disrupt nesting, feeding, or other life cycle activities, and could cause nest abandonment or nesting failure for birds nesting outside of the ROW. Structure-nesting species, such as cliff swallows, also could have their nests disturbed by the removal of the existing trestle or by other work occurring beneath the Highway 101 overpass.

The 2005 EIR prescribed mitigation measures to lessen effects to migratory and nesting birds. Implementation of Mitigation Measures BR-3a and BR-3b would avoid effects on migratory birds, by restricting nest-affecting activities to outside the nesting season and implementing exclusionary buffers to protect active nests. Implementation of BR-1a and BR-1b would further reduce these effects by limiting the extent of construction effects.

Operation of the project may result in minor disturbances to migratory birds; however, because the existing rail corridor does not provide high-quality nesting or foraging habitat, operation is not expected to result in take of any active nests because few birds would be likely to be utilizing the area. Furthermore, because the corridor would be under continuous rail operation, birds nesting near the ROW presumably would be accustomed to the train. Therefore, no direct effects resulting from construction, operation, or maintenance of the train would occur.

4.2.2 Indirect Effects

Construction, operation, and maintenance of the SMART project is not expected to result in a significant loss or creation of suitable nesting habitat, or to result in other indirect effects that could affect local migratory bird populations. Therefore, no indirect effects would occur.

4.2.3 Cumulative Effects

Several projects were identified in the 2005 EIR that potentially could contribute to an overall cumulative effect on migratory birds, typically through the loss of suitable nesting or foraging habitat. Because this project and the other projects identified in the surrounding area primarily would be infill projects, they would not result in significant losses of habitat. Therefore, construction, operation, and maintenance of the project would not result in a significant cumulative when considered cumulatively with other local projects. Thus, no cumulative effects would occur.

5 MITIGATION MEASURES

The following mitigation measures have been adapted from the 2005 EIR for the SMART project in order to maintain consistency with larger mitigation monitoring and report programs that may already be implemented for the SMART project. Only mitigation measures from the EIR that are applicable to the Downtown San Rafael to Larkspur Extension are included in this report.

- Mitigation Measure BR-1a: Construction access, staging, storage, and parking areas shall be located on ruderal or developed lands to the extent possible. Vehicle travel adjacent to wetlands and riparian areas shall be limited to existing roads and designated access paths. Sensitive natural communities (i.e., wetlands, waters, riparian zones and oak woodlands) shall be conspicuously marked in the field to minimize effects on these communities, and work activities shall be limited to outside the marked areas.
- Mitigation Measure BR-1b: Qualified biologists shall monitor construction activities that could potentially cause significant impacts on sensitive biological resources. A worker education program shall be developed and presented to all construction personnel before they start work on the proposed project. The program shall summarize relevant laws and regulations that protect biological resources, discuss sensitive habitats and special-status species with the potential to occur in the work zone, explain the role and authority of the biological monitors and review applicable avoidance and minimization measures to protect sensitive species and habitats.
- Mitigation Measure BR-2a: Instream construction shall be confined to the dry or low-flow season. During in-stream construction, dewatered areas and temporary culverts shall be limited to the minimum area necessary. Pumps used for dewatering shall have agency-approved fish screens installed to minimize intake of fish into pumps. Diversion structures shall be left in place until all in-stream work is completed. Temporary culverts and all construction materials and debris shall be removed from the affected area prior to reestablishing flow and prior to the rainy season.
- Mitigation Measure BR-2b: A qualified biological monitor shall be present during critical construction periods (e.g., grubbing and clearing, culvert installation, pouring concrete) in all streams and wetland areas. If a listed or protected species is encountered, work shall be stopped immediately at that location, the appropriate agency or agencies (USFWS, NOAA Fisheries and/or CDFG) shall be notified, and work shall not resume at that location prior to the agencies' approval, or as agreed to in prior consultation with the agencies.
- Mitigation Measure BR-2c: Upon completion of the proposed project, all temporarily disturbed natural areas, including stream banks, shall be returned to original contours to the extent feasible. Affected wetlands, stream banks or stream channels shall be stabilized prior to the rainy season and/or prior to reestablishing flow. For wetland areas, the top six inches of native topsoil should be stockpiled and replaced following work. Wetland and riparian vegetation shall be reestablished as appropriate.
- Mitigation Measure BR 3a: To the extent feasible, trees and shrubs in the construction zones shall be trimmed or removed between September 1 and January 31 to reduce potential impacts on nesting birds. If vegetation must be removed during the period from February 1 to August 31, a qualified wildlife biologist shall conduct pre-construction surveys for nesting birds. If an active nest is found, the bird shall be identified to species and the approximate distance from the closest work site to the nest estimated. No additional measures need be implemented if active nests are more than the following distances from the nearest work site:

(a) 300 feet for raptors; or (b) 75 feet for other non-special-status bird species (for California clapper rail and California black rail see Mitigation Measure BR-12). If active nests are closer than those distances to the nearest work site and there is the potential for destruction of a nest or substantial disturbance to nesting birds due to construction activities, a plan to monitor nesting birds during construction shall be prepared and submitted to the USFWS and CDFG for review and approval. Disturbance of active nests shall be avoided to the extent possible until it is determined that nesting is complete and the young have fledged.

- Mitigation Measure BR-3b: If construction is likely to occur during the nesting season of cliff swallows (March 1 to July 31), bridges shall be periodically inspected for swallow nests by a qualified biologist prior to the onset of bridge demolition and/or new bridge construction. Nests shall be knocked down by a biologist prior to being one-third completed. Inspection of the bridges shall start in late February. Alternative methods to prevent cliff swallow nesting on the bridge may be used with prior approval by the CDFG.

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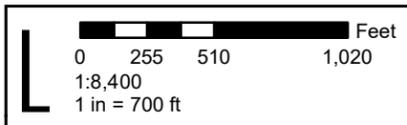
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**ATTACHMENT A:
FIGURES**



2/20/2013

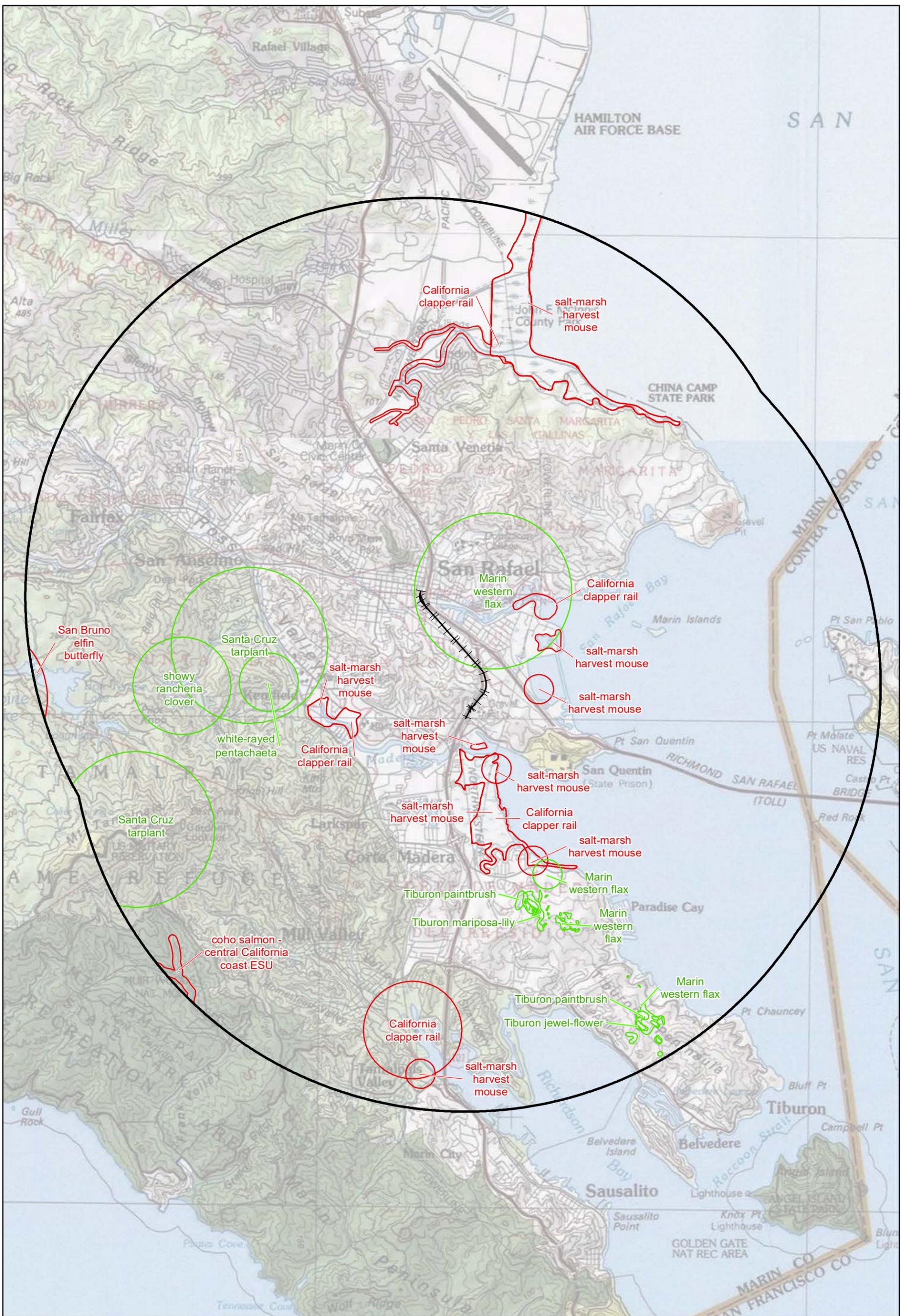
- SMART San Rafael-Larkspur
- ▭ Study Area

SMART Downtown San Rafael-Larkspur Extension
Project Overview Map



Source: .15m Marin County East Orthoimagery Basemap, April, 2011; U.S. Department of Agriculture Soil Survey for Marin County

DRAFT - Not for Public Review



0 0.5 1 2 Miles
 1 in = 6,000 ft
 1:72,000

2/20/2013

SMART Downtown San Rafael-Larkspur Extension
CNDBB Overview Map

SMART SanRafael-Larkspur
 5-Mile Buffer

CNDBB Records
 Plant
 Wildlife

Note: Only Federally Listed species are shown on this map.



**ATTACHMENT B:
REPRESENTATIVE PHOTOGRAPHS**



Photograph 1: The existing trestle crossing at San Rafael Creek (foreground).



Photograph 2: A representative photograph of the rail ROW near San Rafael Creek; facing north.



Photograph 3: An unnamed channel located parallel to the ROW in San Rafael.



Photograph 4: An existing trestle crossing beneath the Highway 101 overpass.



Photograph 5: A representative photograph of the ROW near the northern end of the Cal Park Hill Tunnel.



Photograph 6: The northern end of the Cal Park Hill Tunnel.



Photograph 7: A representative photograph of the interior of the Cal Park Hill Tunnel.



Photograph 8: The southern end of the Cal Park Hill Tunnel near Larkspur Station.



Photograph 9: The approximate location of the planned Larkspur Station.



Photograph 1: The existing trestle crossing at San Rafael Creek (foreground).



Photograph 2: A representative photograph of the rail ROW near San Rafael Creek; facing north.



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Photograph 7: A representative photograph of the interior of the Cal Park Hill Tunnel.



Photograph 8: The southern end of the Cal Park Hill Tunnel near Larkspur Station.



Photograph 9: The approximate location of the planned Larkspur Station.

**ATTACHMENT C:
PRELIMINARY DELINEATION OF WATERS OF THE
UNITED STATES, INCLUDING WETLANDS**

Draft Preliminary Delineation of Waters of the United States, Including Wetlands

Sonoma-Marín Area Rail Transit
Downtown San Rafael-Larkspur Extension



Prepared for:



Prepared by:



July 2014

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- Attachment C: Site Photographs

Acronyms and Abbreviations

CFR	Code of Federal Regulations
CWA	Clean Water Act
FAC	facultative
FACU	facultative upland
FACW	facultative wetland
FM	freshwater marsh
GPS	global positioning system
NAD 83	North American Datum 83
Non-RPW	Non-Relatively Permanent Water
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
OBL	obligate
OHWM	ordinary high water mark
PEM1	palustrine emergent persistent wetlands
PEM2	palustrine emergent nonpersistent wetlands
PJD	preliminary jurisdiction determination
ROW	right-of-way
RPW	relatively permanent waters
SMART	Sonoma Marin Area Rail Transit
SP	sampling point
SW	seasonal wetlands
TNW	traditional navigable waters
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
WSS	web soil survey

1 INTRODUCTION

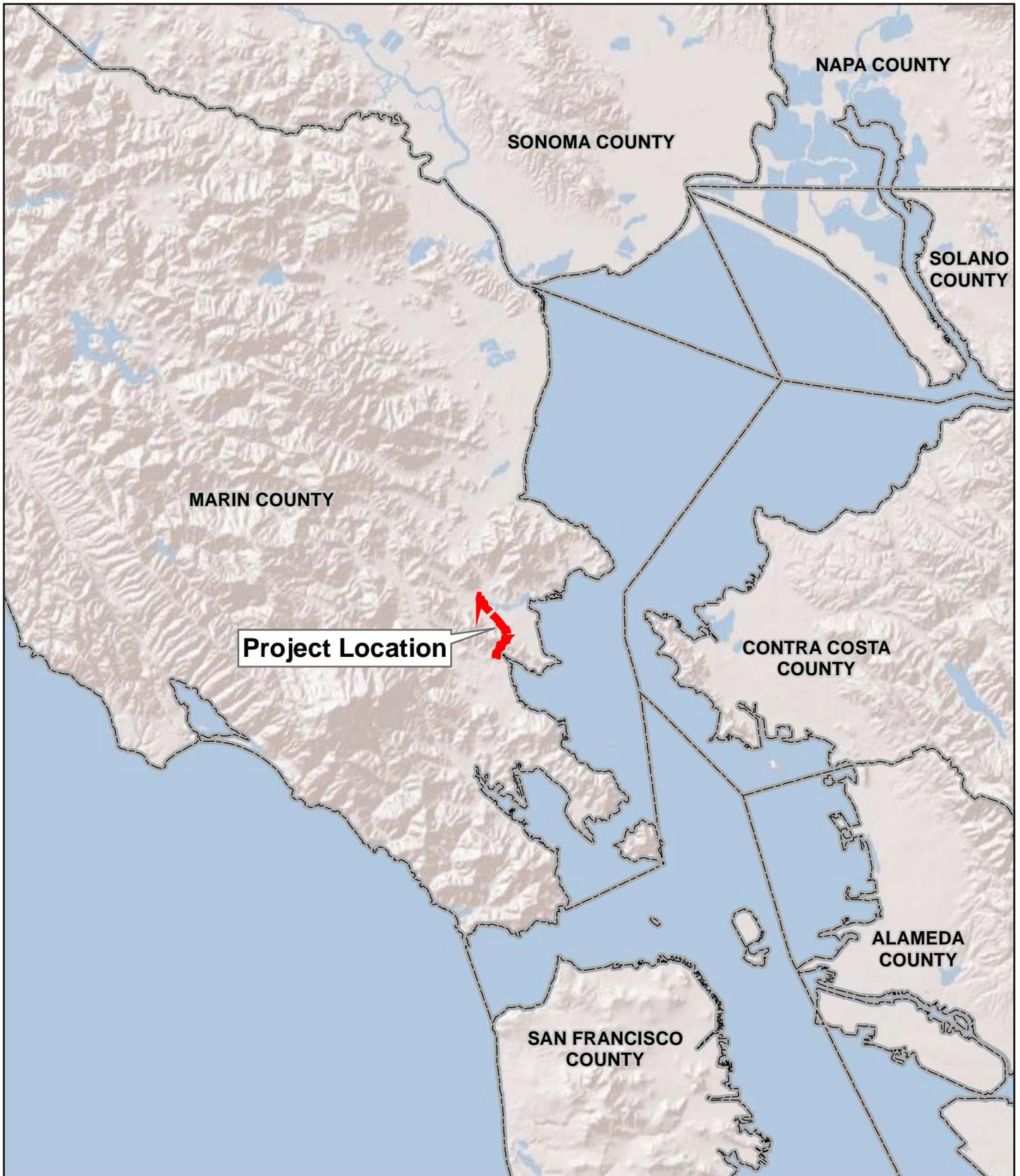
Sonoma Marin Area Rail Transit (SMART) plans to build an approximately 2-mile-long segment of railroad from downtown San Rafael to Larkspur Landing in Marin County, California (Figure 1, Project Location Map). This would be one segment of the SMART train project that is currently under construction, running from Cloverdale to Larkspur. In preparation for the Downtown San Rafael-Larkspur Extension (project), a delineation of waters of the United States, including wetlands, was conducted within the SMART right-of-way (ROW) for this segment. This report describes the methodology, discusses the results of the field survey, and provides a preliminary jurisdictional determination of all water features in the project rail corridor.

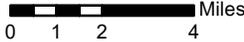
1.1 PROJECT DESCRIPTION

The project purpose is to improve the transit connection between downtown San Rafael and Larkspur Landing by providing a passenger rail service between these locations. This project is part of the greater SMART program, intended to provide a passenger rail service from northern Sonoma County south along Highway 101 to Larkspur Landing at the southern terminus. This would improve local and regional travel and, by extension, improve mobility in the congested north-south U.S. Highway 101 traffic corridor in Marin and Sonoma counties.

Phase 1 of the SMART train project will provide commuter rail transit service from downtown San Rafael in the south to the northern terminus in Santa Rosa and eventually to Cloverdale. When this first phase is completed in 2015 or 2016, SMART will be the only rail service in the San Francisco Bay Area that does not link to another rail service or a major ferry terminal. This gap will separate the North Bay from the region's overall rail and ferry network, thereby reducing the network's effectiveness for all Bay Area residents and employers.

Downtown San Rafael is a major residential and employment center and is one of the most densely populated parts of Marin County. San Rafael also is a major multi-modal transportation hub, and it contains the most heavily used transit facility in San Francisco's North Bay: the San Rafael Bettini Transit Center. The Larkspur Ferry Terminal, which provides a well utilized transit connection to downtown San Francisco, is located at Larkspur Landing and is approximately 2.8 miles south of the Bettini Transit Center along the U.S. Highway 101 corridor. All vehicular traffic (including Golden Gate Transit express buses) going from Sonoma County or from northern and central Marin County to San Francisco must pass through this corridor. This project will provide an alternative means of transportation between the Bettini Transit Center and Larkspur Landing. By linking downtown San Rafael and Larkspur Landing, it will close a gap in regional fixed-guideway transit services. Material staging areas for project construction are anticipated to be located within the SMART ROW. The approximate location of the project corridor is shown in Figure 1, Project Location Map.





2/13/2013

1 in = 4 miles
 1:264,000

SMART San Rafael-Larkspur
Figure 1: Project Location Map

 Study Area
 County Boundary



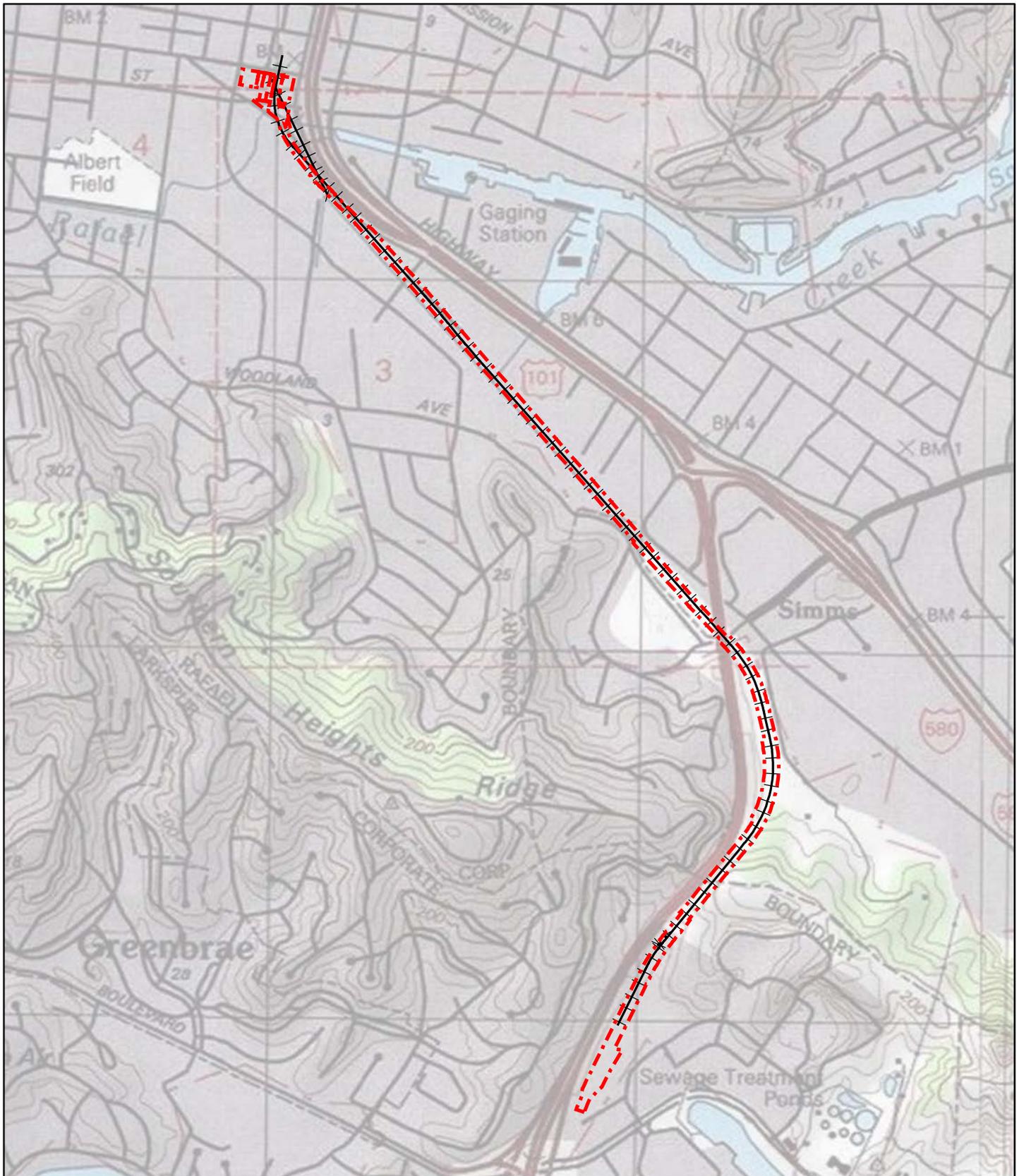
1.2 PROJECT LOCATION AND STUDY AREA

The project would be located within an unused rail corridor that begins in downtown San Rafael at the planned San Rafael Station, near the intersection of 3rd Street and Tamalpais Avenue. From there, the rail corridor travels approximately 0.1 mile south, crossing San Rafael Creek (also known as Mahon Creek) before traveling southeast for approximately 1.4 miles to the northern entrance of the Cal Park Tunnel. The rail corridor then travels through the Cal Park Tunnel for approximately 0.2 mile, before emerging from the southern end of the tunnel, and continues approximately 0.3 mile along the eastern edge of Highway 101 in Larkspur before terminating at the planned Larkspur Station. The wetland delineation study area was the SMART ROW, which is located along the project corridor. The study area is 28.69 acres in size.

The study area is located in the U.S. Geological Survey (USGS) San Rafael 7.5-minute quadrangle (Figure 2, Topographic Study Area Map). The linear study area is located in Township 1 North, Range 6 West, Sections 3 and 10. The study area is located within the USGS San Pablo Bay Hydrologic Unit Code (USGS 2013), and more specifically, within the San Rafael Creek and Ross Valley watersheds (County of Marin Department of Public Works 2009).

1.3 CLIMATE

Average January temperatures in the study area range from 40.9 to 56.0°F, and average precipitation for January, recorded at the San Rafael Civic Center, is 8.10 inches (WRCC 2013). The study area typically averages 35.59 inches of rainfall annually, with most low- to moderate-intensity rain storms occurring from December through March (WRCC 2013). The field survey for the wetland delineation was conducted by AECOM biologists on January 14–15, 2013. The field conditions were dry and clear on January 14–15, with temperatures reaching the upper 50s °F (NWS 2013). The most recent rain event before the field survey for the wetland delineation was on January 9, 2013, and only 0.01 inch of rain was logged by the Point San Pedro Station in Peacock Gap Golf and Country Club in San Rafael (University of California Agriculture and Natural Resources 2013). A total of 0.51 inch of precipitation fell 2 weeks before the field survey for the wetland delineation, and a total of 11.15 inches fell in the 2013 water year before the field survey (University of California Agriculture and Natural Resources 2013).




 Feet
 0 300 600 1,200
 1 in = 1,200 ft
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2/5/2013

SMART San Rafael-Larkspur
 Figure 2: Topographic Study Area Map

-  SMART San Rafael-Larkspur
-  Study Area



2 REGULATORY FRAMEWORK

Any wetland or other waters meeting the following criteria described in Title 33, Section 328.3 of the Code of Federal Regulations (33 CFR 328.3) were preliminarily determined to be jurisdictional waters of the United States:

- 1) All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters, which are subject to the ebb and flow of the tide.
- 2) All interstate waters, including interstate wetlands.
- 3) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
 - a) Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
 - b) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
 - c) Which are used or could be used for industrial purpose by industries in interstate commerce.
- 4) All impoundments of waters otherwise defined as waters of the United States under the definition.
- 5) Tributaries of waters identified in paragraphs (a) (1) through (4) of this section of the CFR.
- 6) The territorial seas.
- 7) Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) (1) through (6) of this section of the CFR.

As described in 33 CFR 328.3, wetlands are defined as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.”

Wetlands and waters that meet these definitions and pass the significant nexus test are subject to the jurisdiction of the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA). The following types of waterbodies are subject to the CWA:

- all traditional navigable waters (TNW) and adjacent wetlands;
- relatively permanent tributaries of TNWs and wetlands with a continuous surface connection to such tributaries; and
- non-relatively permanent tributaries of TNWs and adjacent wetlands if they have a significant nexus to a TNW. Non-relatively permanent waters (RPW) and adjacent wetlands are determined to have a significant nexus to a TNW if they significantly affect the chemical, physical, or biological integrity of a downstream TNW.

TNWs also are subject to the jurisdiction of the USACE under Section 10 of the Rivers and Harbors Appropriation Act of 1899 (EPA 2012).

3 DELINEATION METHODS

3.1 GENERAL METHODS

The Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Environmental Laboratory 2008) were used to delineate wetlands that are potentially subject to USACE jurisdiction under Section 404 of the CWA. The 1987 manual and 2008 Arid West Supplement provide technical guidelines and methods for the three-parameter approach to determining the location and boundaries of jurisdictional wetlands. This approach requires that an area support positive indicators of hydrophytic vegetation, hydric soils, and wetland hydrology to be considered a jurisdictional wetland.

The wetland delineation field survey was conducted by AECOM biologists Kristina Bischel and Kristin Tremain on January 14, 2013, by Kristina Bischel and DJ Allison on January 15, 2013, and by Kristina Bischel on March 20, 2014. The entire study area was surveyed, including the Cal Park Tunnel. The hillside above the Cal Park Tunnel was not surveyed, as it is not a part of the project corridor and no project-related impacts would occur there. Routine wetland determination data forms were completed for 10 sampling points (SP) and are provided in Attachment A, Data Forms.

Potentially jurisdictional areas were identified and mapped in the field, and were later digitized onto an aerial photograph. SP locations also were recorded digitally using a global positioning system (GPS), and were imported onto an electronic version of the aerial photograph. GPS data

were recorded in North American Datum 83 (NAD 83). Botanical nomenclature followed *The Jepson Manual: Vascular Plants of California*, Second edition (Baldwin et. al. 2012).

To determine whether hydrophytic vegetation dominated the area, plant species at SPs were listed on data forms and the wetland indicator status was recorded for the dominant species using the USACE National Wetlands Plant List: California 2012 Final State Wetland Plant List (Lichvar 2012). Hydrophytic species include those listed as obligate (OBL), facultative wetland (FACW), or facultative (FAC). The designation of a species corresponds to the probability that a species will occur in a wetland habitat. The indicator categories are defined in Table 1, Wetland Indicator Categories.

Table 1: Wetland Indicator Categories

Indicator Category	Wetland Occurrence
Obligate Wetland (OBL)	Almost always occurs in wetlands
Facultative Wetland (FACW)	Usually occurs in wetlands, but may occur in non-wetlands
Facultative (FAC)	Occurs in wetlands or non-wetlands
Facultative Upland (FACU)	Usually occurs in non-wetlands, but may occur in wetlands
Obligate Upland (UPL)	Almost never occurs in wetlands. ¹
Note: ¹ Plants not listed on the 2012 National Wetland Plant List are assumed to be UPL. Source: Lichvar et al. 2012	

Waters of the United States were delineated based on the ordinary high water mark (OHWM). OHWMs for drainages typically correspond with characteristics such as shelving, scour lines, and other natural linear features that define the bed and bank portion of the channel which floods under normal conditions (USACE 2005).

Soils were examined by digging soil test pits to determine whether hydric soils existed in the sampling location. Soils were described in terms of depth, matrix color, redoxymorphic color (when present), and moisture status at each location. Other diagnostic features indicative of hydric soils, such as the presence of concretions and oxidized rhizospheres (a redoximorphic feature, according to Vepraskas [1992]), also were recorded on data forms. Hydric soil determinations were based on the indicators provided by the 1987 Wetlands Delineation Manual and 2008 Arid West Supplement. Soil units mapped for the study area as part of the soil survey were cross-referenced with the National Hydric Soils List by state (NRCS 2012a) to determine if the soils were listed as a hydric map unit.

The significant nexus test—outlined in a memorandum that was jointly authored by the U.S. Environmental Protection Agency and USACE—was applied to each potentially jurisdictional habitat type (Grumbles and Woodley 2008). To facilitate jurisdictional determinations consistent with the guidance, each delineated waterbody was evaluated as a TNW, RPW, or non-RPW, based on the following definitions:

- TNWs include all waters subject to the ebb and flow of the tide, or waters that are presently used, have been used in the past, or may be used in the future to transport interstate or foreign commerce, and all waters that are navigable in fact under federal law for any purpose.
- RPWs are waters that flow continuously at least seasonally (typically at least 3 months of the year) and are not TNWs.
- Non-RPWs are waters that do not have continuous flow at least seasonally.

Delineation SPs are shown on the nine maps provided in Attachment A, Data Forms; these SPs are cross-referenced to the wetland determination data forms provided in Attachment A, Data Forms.

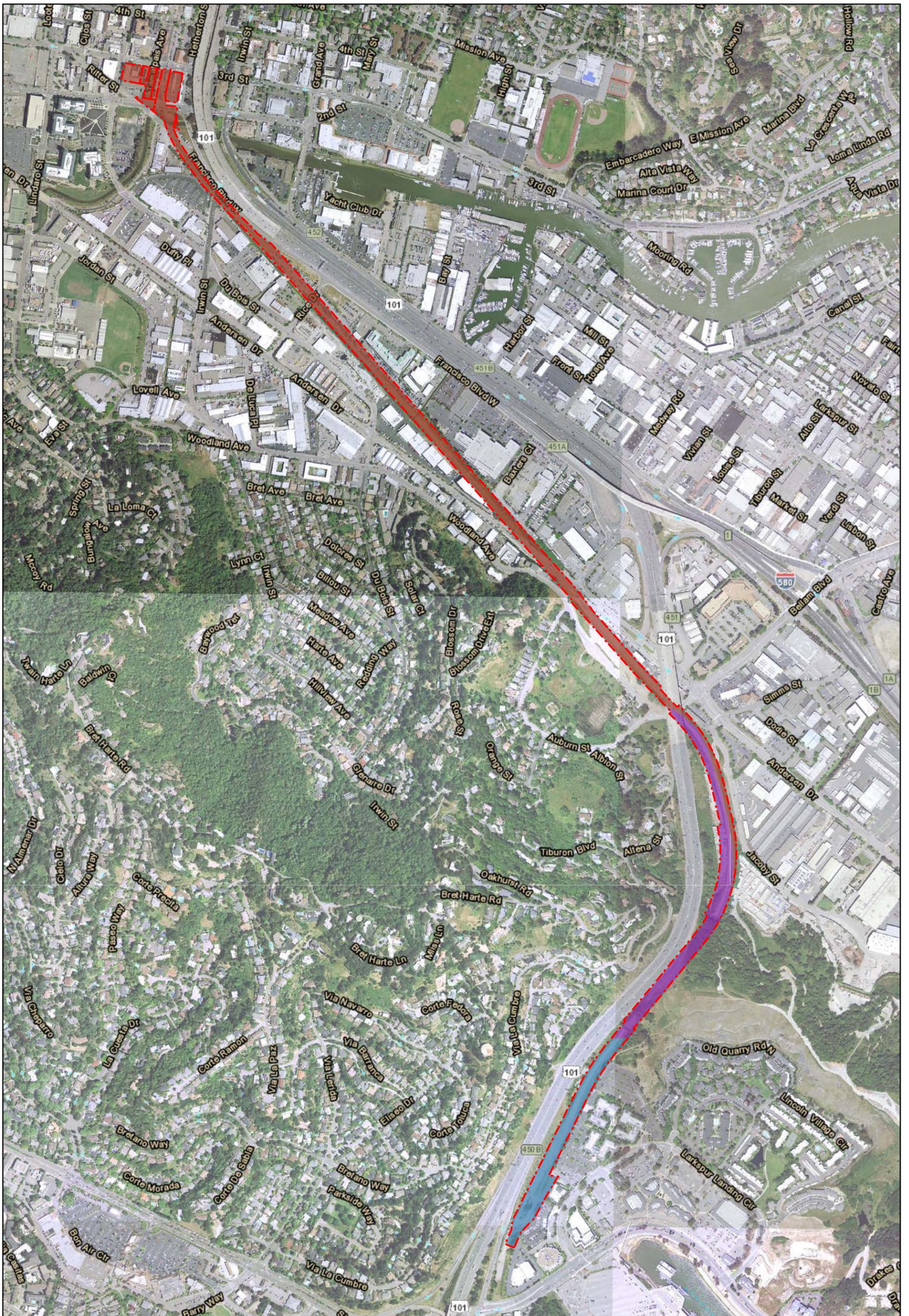
3.2 LITERATURE REVIEW

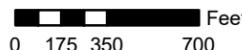
A literature review was conducted for the study area to identify potential wetlands and other waters, as well as to collect information on hydrophytic vegetation, hydric soils, and wetland hydrology. Materials reviewed included a past wetland delineation of the study area (GANDA 2005; GANDA 2012), the USFWS National Wetland Inventory (NWI) (USFWS 2012), and aerial photography of the study area (Google Earth 2012). Soil types in the study area were identified using the Web Soil Survey (WSS), a resource provided by the National Resources Conservation Service (NRCS) (NRCS 2012b); soil types in the study area are shown in Figure 3, Soils Map.

4 STUDY RESULTS

4.1 VEGETATION

The study area is composed of ruderal vegetation, developed areas, tidally-influenced drainages, seasonal wetlands, and freshwater marsh habitats. The study area is very disturbed, and the majority of plant species present are non-native. Habitats in the vicinity of the project corridor are further described in the Biological Resources Technical Report for this project. Representative photographs of the study area are provided in Attachment C, Site Photographs.





 Feet
 0 175 350 700
 1:8,400
 1 in = 700 ft

2/5/2013

 Study Area
 Soil Type

-  Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes
-  Urban land-Xerorthents complex, 0 to 9 percent slopes
-  Xerorthents-Urban land complex, 0 to 9 percent slopes



SMART San Rafael-Larkspur
Figure 3: Soils Map

Source: .15m Marin County East Orthoimagery Basemap, April, 2011; U.S. Department of Agriculture Soil Survey for Marin County

4.2 HYDROLOGY

Two tidally-influenced drainages—San Rafael Creek and an unnamed channel—cross through the northern half of the study area in two separate locations. San Rafael Creek crosses through the northernmost part of the study area (Attachment B, Wetland Delineation Maps, Map 9). The unnamed channel parallels the study area for approximately 0.4 mile before making a 90-degree turn, crossing through the study area and connecting with San Rafael Creek (Attachment B, Wetland Delineation Maps, Map 6). These drainages may overflow during storm events or very high tides, and they may contribute to the water table in the study area. San Rafael Creek discharges into San Rafael Bay, in northern San Francisco Bay.

The remainder of the study area receives water primarily from two sources: direct precipitation and runoff from developed areas. The study area follows an unused rail line, which is characterized by fill and low areas or ditches on either side of the rail line in many areas. In the portion of the study area south of Bellam Boulevard and Auburn Street, several roadside ditches along the rail line collect water from Highway 101 and other runoff sources. Water from the ditches enters drains (catchment basins), and it appears to eventually flow through the storm drain system and out to San Francisco Bay (County of Marin 2013; City of San Rafael 2013). Water in a ditch near the corner of Woodland Avenue and Auburn Street enters the storm drain system after crossing beneath an old railway berm. This water similarly appears to eventually discharge to the Bay via underground storm water systems (County of Marin 2013; City of San Rafael 2013). North of Andersen Drive and south of the unnamed channel crossing, several low points along the rail line receive water from parking lots and other industrial runoff, as well as precipitation.

4.3 SOILS

According to the NRCS WSS for Marin County (NRCS 2012b), the study area is composed of three different soil types: Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes (Map Unit 182); Urban land-Xerorthents complex, 0 to 9 percent slopes (Map Unit 202); and Xerorthents-Urban land complex, 0 to 9 percent slopes (Map Unit 204). Two of these soils—Urban land-Xerorthents complex, 0 to 9 percent slopes and Xerorthents-Urban land complex, 0 to 9 percent slopes—are hydric soils according to the National Hydric Soils List (NRCS 2012a).

4.3.1 Tocaloma-McMullin-Urban Land Complex, 30 to 50 Percent Slopes

The Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes, is an upland soil type that occurs between 10 and 1,500 feet elevation. This soil type is not hydric (NRCS 2012a). It is composed of approximately 40 percent Tocaloma soils, 20 percent McMullin soils, 20 percent urban land, and 12 percent other minor components. The Tocaloma series consists of moderately deep, well drained soils that formed in material weathered from sandstone and shale. The McMullin series consists of shallow, well and somewhat excessively drained soils that formed in

material weathered from shale, sandstone, basic igneous and metamorphic rocks. Because the majority of the study area is fill, the original characteristics of the soil generally are no longer present.

4.3.2 Urban Land-Xerorthents Complex, 0 to 9 Percent Slopes

The Urban land-Xerorthents complex, 0 to 9 percent slopes, is a soil that is present in valleys between 0 and 500 feet elevation. This soil type is composed of approximately 20 percent xerorthent soils, 70 percent urban land, and 9 percent other minor components. This soil type is included on the National Hydric Soils List (NRCS 2012a). According to this list, this soil type has a 4 percent of Hydraquents, Novato, and Reyes inclusions in tidal flats and salt marshes. Because the majority of the study area is fill, the original characteristics of the soil generally are no longer present.

4.3.3 Xerorthents-Urban Land Complex, 0 to 9 Percent Slopes

The Xerorthents-Urban land complex, 0 to 9 percent slopes, is a soil that is present in valleys between 0 and 500 feet elevation. This soil type is composed of approximately 45 percent xerorthent soils, 40 percent urban land, and 14 percent other minor components. This soil type is included on the National Hydric Soils List (NRCS 2012a). According to this list, this soil type has 4 percent of Hydraquents, Novato, and Reyes inclusions in tidal flats and salt marshes. Because the majority of the study area is fill, the original characteristics of the soil generally are no longer present.

5 DELINEATION FINDINGS

As summarized in Table 2, Potentially Jurisdictional Features, the 28.69-acre study area contains a total of 1.00 acre of potentially jurisdictional waters of the United States, including wetlands, which include TNWs, a non-RPW, a seasonal wetland, and freshwater marsh habitats.

This section of the report presents the results of the delineation of waters of the United States, as defined by the USACE under Section 404 of the CWA, for the study area. This report is considered a draft until it is verified by the San Francisco District USACE. The maps provided in Attachment B, Wetland Delineation Maps, can be used to obtain a preliminary jurisdiction determination (PJD) from the San Francisco District USACE, as described under Regulatory Guidance Letter 08-02 (USACE 2008).

5.1 JURISDICTIONAL HABITAT TYPES

Waters of the United States within the study area include two TNW features totaling 0.85 acre and one non-RPW that is 0.03 acre in size. All other waters are wetlands, all of which have a significant nexus with waters of the United States (see Table 1, Wetland Indicator Categories).

Table 2: Potentially Jurisdictional Features

Feature	Jurisdiction (acreage)
Traditionally Navigable Water (TNW)	
TNW1 (Unnamed Drainage)	0.752
TNW2 (San Rafael Creek)	0.097
Total TNW Acreage¹	0.85
Non-Relatively Permanent Water (Non-RPW)	
Non-RPW1	0.03
Total Non-RPW Acreage¹	0.03
Wetlands	
Freshwater Marsh (FM)	
FM1	0.048
FM2	0.003
FM3	0.007
Seasonal Wetland (SW)	
SW1	0.061
Total Wetlands¹	0.12
TOTAL POTENTIALLY JURISDICTIONAL FEATURES¹	1.0
Note:	
¹ Acreage in the thousandth decimal place is not included in the total acreage reported in the “total” rows.	
Source: Data compiled by AECOM in 2013 and 2014	

5.1.1 Traditional Navigable Water

As summarized in Table 2, Potentially Jurisdictional Features, two TNWs are present within the study area: San Rafael Creek and an unnamed channel. Collectively, these features total 1.00-acre of the study area. These TNWs are described in further detail as follows.

- TNW1/Unnamed Channel.** The unnamed channel parallels the study area for approximately 0.4 mile, crosses through the study area, and discharges to San Rafael Creek. This feature meets the definition of a TNW because it is tidally influenced. Thus, it is regulated by the USACE under Section 404 of the CWA and Section 10 of the Rivers and Harbors Appropriation Act of 1899. This feature has a variable OHWM, ranging in width from approximately 6 to 12 feet within the study area. The channel contains a very small amount of vegetation composed of OBL and FACW species. However, some hydrophytic species, such as cattails (*Typha* spp.) (OBL), are present in select locations along the drainage and are

located below the OHWM. Where the channel crosses through the study area, several patches of pickleweed (*Salicornia pacifica*) (OBL) were observed at the channel margins.

- **TNW2/San Rafael Creek.** San Rafael Creek is a navigable water, regulated under Section 10 of the RHA, and is located at the northern end of the study area (Attachment B: Wetland Delineation Maps, Map 9). It is a TNW because it is tidally influenced. Thus, it is regulated by the USACE under Section 404 of the CWA and Section 10 of the Rivers and Harbors Appropriation Act of 1899. This feature discharges to San Rafael Bay in northern San Francisco Bay. San Rafael Creek has an OHWM approximately 20 to 25 feet wide within the study area, and it contains very little vegetation at this location.

5.1.2 Non-Relatively Permanent Water

Non-RPWs are ephemeral drainages and convey flow for a short duration after a precipitation event. The study area contains one non-RPW—Non-RPW1—which is approximately 0.03 acre in size. The non-RPW in the study area is described in further detail as follows.

Non-RPW1 is a manmade ditch that runs along the west side of an existing road. It is an average of approximately 1 foot wide at the OHWM and does not contain hydrophytic vegetation. This feature starts at the north end of Freshwater Marsh 1 (FM1), continues north, and discharges into the storm drain system in the City of San Rafael. The water appears to eventually discharge into San Rafael Bay. This feature is considered to be subject to USACE jurisdiction under Section 404 of the CWA because FM1 drains through this ditch, and it eventually connects to a TNW. Non-RPW1 is shown in Attachment B, Wetland Delineation Maps, Maps 3 and 4.

5.1.3 Freshwater Marsh Wetlands

Freshwater marsh (FM) wetlands are characterized using the Cowardin classification system as paulstrine emergent persistent (PEM1) wetlands (Cowardin et al.1979). As summarized in Table 2, Potentially Jurisdictional Features, the study area contains three FM wetlands, which total 0.06 acre within the study area. The FM wetlands within the study area are described in further detail below. Data forms for SP2 and SP9 in Attachment A: Data Forms provide additional information about freshwater marshes within the study area.

- **FM1.** FM1 is located just north of the Cal Park Tunnel, in a ditch that follows along the west side of an established road (Attachment B: Wetland Delineation Maps, Map 6). The sources of water are runoff from surrounding areas and precipitation, and standing water was present at the time of the field survey. Obligate wetland species—cattails and watercress (*Nasturtium officinale*)—are the dominant plants in this wetland. No OHWM was present in the ditch where vegetation was present. The portion of the ditch that is also a wetland is approximately 260 feet long. The remainder of the ditch north of the wetland—Non-RPW1—is devoid of hydrophytic vegetation and other wetland characteristics. This portion of the ditch is shown

in Attachment B, Wetland Delineation Maps, Map 3 and 4. Water from this ditch enters the storm drain system in the City of San Rafael and appears to eventually discharge into San Rafael Bay. Because of this connection to a TNW, this feature is considered to be subject to USACE jurisdiction, per Section 404 of the CWA.

- **FM2.** FM2 is located within an open channel southeast of the intersection of Auburn Street and Woodland Avenue (Attachment B: Wetland Delineation Maps, Map 5, SP9 and SP10). Only a small portion of this marsh is located within the study area. This feature enters a culvert beneath the railroad berm and enters the underground storm drain system in the City of San Rafael. Standing water was present at the time of the wetland delineation, and the marsh was dominated by broadleaf cattail (*Typha latifolia*) (OBL). Because of the connection to a TNW, this feature is considered to be subject to USACE jurisdiction, per Section 404 of the CWA.
- **FM3.** FM3 is a small, very disturbed feature (Attachment B: Wetland Delineation Maps, Map 6). No SP was taken at this feature because of health and safety concerns related to the highly polluted nature of the site. In addition, obvious wetland vegetation and hydrology were present at this site. The feature was dominated by cattails that had been cut, and salt grass (*Distichlis spicata*) (FACW) also was present. This feature is located in a topographic low on the east side of the railroad berm and does not connect directly to any other water features. TNW1 is approximately 150 feet north of FM3, and Seasonal Wetland 1 (SW1) is approximately 50 feet west of FM3 on the other side of the railroad berm. This feature is assumed to have a groundwater connection and significant nexus with waters of the United States, and therefore is considered to be subject to USACE jurisdiction, per Section 404 of the CWA.

5.1.4 Seasonal Wetlands

Seasonal wetlands (SW) are characterized using the Cowardin classification system as paulstrine emergent nonpersistent (PEM2) wetlands. As summarized in Table 2, Potentially Jurisdictional Features, the study area contains one SW feature, SW1, which is 0.06 acre in size. SW1 is described as follows, and field data is provided in Attachment A, Data Forms, in the data form for SP3.

SW1 is located in a low area at the base of the railroad berm (Attachment B: Wetland Delineation Maps, Map 6, SP3 and SP4). It likely receives water from runoff and precipitation, and may at times receive overflow from the adjacent unnamed channel. This wetland connects directly to TNW1. TNW1 likely sustains the water table at this location. Shallow standing water was present at the time of the wetland delineation, and this area was observed to have hydric soil. Although the hydrophytic vegetation criterion was not met, a prevalence of facultative and facultative wetland species was observed, and the vegetation was very distinct from surrounding upland areas. Had Himalayan blackberry (*Rubus armeniacus*) (facultative upland [FACU]) not

been encroaching into the wetland, the dominance test for hydrophytic vegetation would have been met. Because of these factors, vegetation was considered problematic, and this area is considered to meet the criteria of a water of the United States. Because of the connection to a TNW, this feature is considered to be subject to USACE jurisdiction, per 404 of the CWA.

Areas mapped as seasonal wetlands generally are dominated by hydrophytic vegetation, although vegetation was problematic in SW1. The seasonal wetland habitat sampled had strong hydric soils and wetland hydrology indicators.

5.2 NON-JURISDICTIONAL HABITATS

The study area encompasses 28.69 acres. Potentially jurisdictional habitats total 1.00 acre, and the remaining 27.69 acres of the study area likely are composed of potentially non-jurisdictional habitats. Non-jurisdictional areas include ruderal and developed habitats. Several roadside ditches were observed in the field survey and are noted in Attachment B, Wetland Delineation Maps. However, the features labeled as “ditch” on the maps are not considered to be jurisdictional because they have been excavated wholly in uplands and do not carry a relatively permanent flow of water. USACE guidance (Grumbles and Woodley 2008) states that:

...ditches (including roadside ditches) excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water are generally not waters of the United States because they are not tributaries or they do not have a significant nexus to downstream traditional navigable waters. Even when not jurisdictional waters subject to CWA 404, these geographic features (e.g. swales, ditches) may still contribute to a surface hydrologic connection to between an adjacent wetland and a traditional navigable water.

The conclusions of this non-jurisdictional delineation are contingent on verification by the San Francisco District USACE.

6 JURISDICTIONAL DETERMINATION

As summarized in Table 2, Potentially Jurisdictional Features, the 28.69-acre study area contains 1.00 acre with features likely to be subject to USACE jurisdiction, pursuant to Section 404 of the CWA, including:

- Two TNWs that total 0.85 acre—San Rafael Creek and an unnamed channel. These features both have a direct connection to San Rafael Bay.
- One non-RPW—Non-RPW1—that is approximately 0.03 acre in size. This feature discharges into the storm drain system, which appears to discharge into San Rafael Bay.

- Freshwater marsh and seasonal wetland habitats that generally are dominated by a hydrophytic vegetation assemblage or have problematic vegetation, have hydric soils, have evidence of wetland hydrology, and achieve the USACE three-parameter wetland criteria. The study area contains three freshwater marsh wetlands that total 0.06 acre and one seasonal wetland that is 0.06 acre.

The results of this report are contingent on verification by the San Francisco District USACE.

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**ATTACHMENT A:
DATA FORMS**

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: Larkspur/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP1
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 10, 01N, 06W
 Landform (hillslope, terrace, etc.): Ditch/Developed Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 9' 51.089" N Long: 74° 28' 56.149" W Datum: NAD 83
 Soil Map Unit Name: Xerorthents-Urban land complex, 0 to 9 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: At south end of Calpark tunnel. Ditch is west of road going into tunnel, runs into a covered drain. Ditch has some wetland vegetation and is approximately 2-3 feet wide at OHWM. Adjacent "upland" is mostly developed (gravel road, artificial embankment). Does not meet vegetation criteria.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)	
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)					
1. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>3</u> x 2 = <u>6</u> FAC species <u>34</u> x 3 = <u>102</u> FACU species <u>40</u> x 4 = <u>160</u> UPL species <u>3</u> x 5 = <u>15</u> Column Totals: <u>80</u> (A) <u>283</u> (B) Prevalence Index = B/A = <u>3.54</u>	
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
Herb Stratum (Plot size: ~10x3 feet)					
1. <u>Helminthotheca echioides</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
2. <u>Cyperus eragrostis</u>	<u>3</u>	<u>No</u>	<u>FACW</u>		
3. <u>Rumex crispus</u>	<u>4</u>	<u>No</u>	<u>FAC</u>		
4. <u>Geranium sp.</u>	<u>3</u>	<u>No</u>	_____		
5. <u>Festuca perennis</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>		
6. <u>Poa annua</u>	<u>10</u>	<u>No</u>	<u>FACU</u>		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
<u>80</u> = Total Cover				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Woody Vine Stratum (Plot size: _____)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____	_____ = Total Cover	
% Bare Ground in Herb Stratum <u>3</u> % Cover of Biotic Crust <u>17</u>					

Remarks:
 The Geranium is likely UPL. The percentage is so small that it does not have a significant effect on the outcome of the dominance test or the prevalence index. It does not meet the vegetation criteria.

SOIL

Sampling Point: SP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10 YR 3/2	92	10 YR 5/8	8	C	M	Sandy clay loam	
10-13	7.5 YR 4/6	98	2.5 YR 3/6	2			Clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) **(LRR C)**
- 1 cm Muck (A9) **(LRR D)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) **(LRR C)**
- 2 cm Muck (A10) **(LRR B)**
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

Gravel present in top 10 inches.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) **(Nonriverine)**
- Sediment Deposits (B2) **(Nonriverine)**
- Drift Deposits (B3) **(Nonriverine)**
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) **(Riverine)**
- Sediment Deposits (B2) **(Riverine)**
- Drift Deposits (B3) **(Riverine)**
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Algae layer on top of soil. Soil was very wet, though not saturated.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP2
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 10, 01N, 06W
 Landform (hillslope, terrace, etc.): Ditch/Developed Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 9' 44.384" N Long: 74° 28' 26.511" W Datum: NAD 83
 Soil Map Unit Name: Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes NWI classification: PEM1

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: FM1. Ditch west of access road with wetland vegetation and standing water. Problematic soil. Wetland in ditch approximately 4 feet wide. Ditch (with no wetland vegetation) continues north and eventually enters a drain and continues underground.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Salix laevigata</u>	<u>2</u>		<u>FACW</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>75</u> x 1 = <u>75</u> FACW species <u>12</u> x 2 = <u>24</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>10</u> x 4 = <u>40</u> UPL species <u>5</u> x 5 = <u>25</u> Column Totals: <u>102</u> (A) <u>164</u> (B) Prevalence Index = B/A = <u>1.61</u>
2. <u>Rubus armeniacus</u>	<u>5</u>		<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
<u>7</u> = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Helminthotheca echioides</u>	<u>5</u>	<u>No</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Cytisus scoparius</u>	<u>5</u>	<u>No</u>	<u>UPL</u>	
3. <u>Typha domingensis</u>	<u>25</u>	<u>Yes</u>	<u>OBL</u>	
4. <u>Cyperus eragrostis</u>	<u>10</u>	<u>No</u>	<u>FACW</u>	
5. <u>Typha latifolia</u>	<u>10</u>	<u>No</u>	<u>OBL</u>	
6. <u>Nasturtium officinale</u>	<u>40</u>	<u>Yes</u>	<u>OBL</u>	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>95</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks:				

SOIL

Sampling Point: SP2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	7.5 YR 3/1	100						No redox.

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR C)
- 1 cm Muck (A9) (LRR D)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR C)
- 2 cm Muck (A10) (LRR B)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

Gravel/fill mixed into soil. Soil is problematic due to the high amount of fill present and past disturbance, which may mask any redox/hydric soil features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (Nonriverine)
- Sediment Deposits (B2) (Nonriverine)
- Drift Deposits (B3) (Nonriverine)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (Riverine)
- Sediment Deposits (B2) (Riverine)
- Drift Deposits (B3) (Riverine)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): 3
 Water Table Present? Yes No Depth (inches): 8
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Ponding apparent; standing water present. High water table in other locations (approximately 8 inches deep in the soil pit).

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP3
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Ditch/Developed Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 58.050" N Long: 74° 29' 0.376" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: PEM2
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: This is SW1. Wetland within a low area along the west side of the railroad tracks. No OHWM present. Connects to an unnamed drainage at the north end of the feature, which then runs to the bay. Feature is an average of 10 feet wide. Topography, hydrology, soils, and some vegetation indicates that this is a wetland. Vegetation is problematic.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Rubus armeniacus</u>	<u>3</u>	<u>Yes</u>	<u>FACU</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>5</u> x 2 = <u>10</u> FAC species <u>61</u> x 3 = <u>183</u> FACU species <u>28</u> x 4 = <u>112</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>94</u> (A) <u>305</u> (B) Prevalence Index = B/A = <u>3.2</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: ~10x10 feet)				
1. <u>Helminthotheca echioides</u>	<u>25</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input checked="" type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Geranium sp.</u>	<u>1</u>	<u>No</u>	<u>UPL</u>	
3. <u>Xanthium strumarium</u>	<u>25</u>	<u>Yes</u>	<u>FAC</u>	
4. <u>Conium maculatum</u>	<u>5</u>	<u>No</u>	<u>FACW</u>	
5. <u>Distichlis spicata</u>	<u>35</u>	<u>Yes</u>	<u>FAC</u>	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>9</u> % Cover of Biotic Crust _____				
Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>				

Remarks:
 The Geranium is likely UPL. The percentage is so small that it does not have a significant effect on the outcome of the dominance test or the prevalence index. Vegetation is problematic. Obvious hydrology and hydric soils are present, and some hydrophytic vegetation (FAC and FACW) is present. Wetland is within a ditch connected to a permanent drainage; ponding in the wetland may be variable, and other non-wetland plants (e.g. Rubus armeniacus) encroach into the wetland.

SOIL

Sampling Point: SP3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-1	7.5 YR 3/2	100					Silty clay	more organic material & roots
1-10	7.5 YR 3/2	95	2.5 YR 4/8	5	C	M	Silty clay	
10-15	7.5 YR 3/1	85	2.5 YR 4/8	15	C	M	Clay loam	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)						Indicators for Problematic Hydric Soils³:		
<input type="checkbox"/> Histosol (A1)			<input type="checkbox"/> Sandy Redox (S5)			<input type="checkbox"/> 1 cm Muck (A9) (LRR C)		
<input type="checkbox"/> Histic Epipedon (A2)			<input type="checkbox"/> Stripped Matrix (S6)			<input type="checkbox"/> 2 cm Muck (A10) (LRR B)		
<input type="checkbox"/> Black Histic (A3)			<input type="checkbox"/> Loamy Mucky Mineral (F1)			<input type="checkbox"/> Reduced Vertic (F18)		
<input type="checkbox"/> Hydrogen Sulfide (A4)			<input type="checkbox"/> Loamy Gleyed Matrix (F2)			<input type="checkbox"/> Red Parent Material (TF2)		
<input type="checkbox"/> Stratified Layers (A5) (LRR C)			<input type="checkbox"/> Depleted Matrix (F3)			<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> 1 cm Muck (A9) (LRR D)			<input checked="" type="checkbox"/> Redox Dark Surface (F6)			³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
<input type="checkbox"/> Depleted Below Dark Surface (A11)			<input type="checkbox"/> Depleted Dark Surface (F7)					
<input type="checkbox"/> Thick Dark Surface (A12)			<input type="checkbox"/> Redox Depressions (F8)					
<input type="checkbox"/> Sandy Mucky Mineral (S1)			<input type="checkbox"/> Vernal Pools (F9)					
<input type="checkbox"/> Sandy Gleyed Matrix (S4)								
Restrictive Layer (if present):						Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Type: _____								
Depth (inches): _____								
Remarks:								

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)	
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Water Marks (B1) (Riverine)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) (Riverine)	
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches):	<u>4</u>
Water Table Present?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Depth (inches):	_____
Saturation Present? (includes capillary fringe)	Yes <input type="checkbox"/> No <input type="checkbox"/>	Depth (inches):	_____
		Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP4
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Developed/Berm Local relief (concave, convex, none): Convex Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 58.008" N Long: 74° 29' 0.181" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: On top of a railroad berm next to a wetland in a depression/ditch (SP3). Not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: _____ Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>~10x10</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1. <u>Festuca perrenis</u>	<u>80</u>	<u>Yes</u>	<u>FAC</u>	
2. <u>Trifolium sp.</u>	<u>12</u>	<u>No</u>	<u>Unk</u>	
3. <u>Distichlis spicata</u>	<u>2</u>	<u>No</u>	<u>FAC</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>6</u> % Cover of Biotic Crust _____				

Remarks:
 Dominant species are facultative; vegetation meets wetland criteria but the plant species are ones that occurs in both wetlands and uplands.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP5
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): depression/developed Local relief (concave, convex, none): concave Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 44.261" N Long: 74° 28' 50.693" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: Disturbed low area on east side of railroad tracks, approximately 7 feet wide. Meets wetland vegetation criteria (but not prevalence index) and hydric soil criteria. No wetland hydrology present. Due to lack of hydrology and the fact that wetland vegetation does not appear to be a strong indicator of wetland status in this case, this area is not considered to be a wetland. It also appears to be isolated.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																																																																												
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>67%</u> (A/B)																																																																											
2. _____	_____	_____	_____																																																																												
3. _____	_____	_____	_____																																																																												
4. _____	_____	_____	_____																																																																												
_____ = Total Cover																																																																															
Prevalence Index worksheet:																																																																															
Total % Cover of:		Multiply by:																																																																													
OBL species	<u>0</u>	x 1 =	<u>0</u>																																																																												
FACW species	<u>10</u>	x 2 =	<u>20</u>																																																																												
FAC species	<u>17</u>	x 3 =	<u>51</u>																																																																												
FACU species	<u>15</u>	x 4 =	<u>60</u>																																																																												
UPL species	<u>0</u>	x 5 =	<u>0</u>																																																																												
Column Totals:	<u>42</u> (A)		<u>131</u> (B)																																																																												
Prevalence Index = B/A = <u>3.12</u>																																																																															
Hydrophytic Vegetation Indicators:																																																																															
<input checked="" type="checkbox"/> Dominance Test is >50%																																																																															
<input type="checkbox"/> Prevalence Index is ≤3.0 ¹																																																																															
<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)																																																																															
<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)																																																																															
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																																																																															
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____																																																																															
<table style="width:100%; border: none;"> <tr> <td style="width:40%;">Herb Stratum (Plot size: <u>12x12</u>)</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:30%;"></td> </tr> <tr> <td>1. <u>Arundo donax</u></td> <td><u>10</u></td> <td><u>Yes</u></td> <td><u>FACW</u></td> <td></td> </tr> <tr> <td>2. <u>Phalaris aquatica</u></td> <td><u>15</u></td> <td><u>Yes</u></td> <td><u>FACU</u></td> <td></td> </tr> <tr> <td>3. <u>Rumex crispus</u></td> <td><u>5</u></td> <td><u>No</u></td> <td><u>FAC</u></td> <td></td> </tr> <tr> <td>4. <u>Unknown grass shoots (Festuca perennis?)</u></td> <td><u>12</u></td> <td><u>Yes</u></td> <td><u>FAC?</u></td> <td></td> </tr> <tr> <td>5. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>6. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>7. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>8. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">_____ = Total Cover</td> <td></td> </tr> <tr> <td colspan="5">Woody Vine Stratum (Plot size: _____)</td> </tr> <tr> <td>1. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>2. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">_____ = Total Cover</td> <td></td> </tr> <tr> <td colspan="5"> % Bare Ground in Herb Stratum <u>58</u> % Cover of Biotic Crust _____ </td> </tr> </table>					Herb Stratum (Plot size: <u>12x12</u>)					1. <u>Arundo donax</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>		2. <u>Phalaris aquatica</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>		3. <u>Rumex crispus</u>	<u>5</u>	<u>No</u>	<u>FAC</u>		4. <u>Unknown grass shoots (Festuca perennis?)</u>	<u>12</u>	<u>Yes</u>	<u>FAC?</u>		5. _____	_____	_____	_____		6. _____	_____	_____	_____		7. _____	_____	_____	_____		8. _____	_____	_____	_____		_____ = Total Cover					Woody Vine Stratum (Plot size: _____)					1. _____	_____	_____	_____		2. _____	_____	_____	_____		_____ = Total Cover					% Bare Ground in Herb Stratum <u>58</u> % Cover of Biotic Crust _____				
Herb Stratum (Plot size: <u>12x12</u>)																																																																															
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Remarks: Patch of Arundo, with other areas in depression having sparse vegetative cover. The grass species was not flowering and no old flowering heads were found; it may be Festuca perennis due to this species' presence in surrounding areas. We made this assumption for the vegetation calculations. Meets dominance test if grass is FAC, but not the prevalence index.																																																																															

SOIL

Sampling Point: SP5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	7.5 YR 3/1	98	7.5 YR 4/6	3	C	M	Clay	
6-10	7.5 YR 3/1	97	7.5 YR 4/6	2	C	M	Clay	More clay in lower layer

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (**LRR C**)
- 1 cm Muck (A9) (**LRR D**)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (**LRR C**)
- 2 cm Muck (A10) (**LRR B**)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (**Nonriverine**)
- Sediment Deposits (B2) (**Nonriverine**)
- Drift Deposits (B3) (**Nonriverine**)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (**Riverine**)
- Sediment Deposits (B2) (**Riverine**)
- Drift Deposits (B3) (**Riverine**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Soil was slightly moist. No hydrology indicators seen in the field. No ponding of water apparent on aerial photographs.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP6
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Developed/berm Local relief (concave, convex, none): Convex Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 44.452" N Long: 74° 28' 51.084" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point taken on top of railroad berm near SP5. Not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Prevalence Index worksheet: _____ Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species <u>20</u> x 3 = <u>60</u> FACU species <u>1</u> x 4 = <u>4</u> UPL species <u>60</u> x 5 = <u>300</u> Column Totals: <u>81</u> (A) <u>364</u> (B) Prevalence Index = B/A = <u>4.5</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Foeniculum vulgare</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Unknown grass (Festuca perrenis?)</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>	
3. <u>Cytisus scoparius</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>	
4. <u>Vicia sp.</u>	<u>1</u>	<u>No</u>	<u>FACU/U</u>	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>81</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>19</u> % Cover of Biotic Crust _____				
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

Remarks:
 The grass species (same as SP5) was not flowering and no old flowering heads were found; it may be Festuca perrenis due to this species' presence in surrounding areas. We made this assumption for the vegetation calculations. We consider the Vicia species (not flowering) to be FACU or UPL due to species likely to be in this area. For calculations, we used FACU to be conservative.

SOIL

Sampling Point: SP6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-1	N/A						organic	
1-6	N/A						gravel	railroad berm fill

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR C)
- 1 cm Muck (A9) (LRR D)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR C)
- 2 cm Muck (A10) (LRR B)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:

The soil was dominated by small rocks and it was not possible to get a soil color. The soil is fill for a railroad berm.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (Nonriverine)
- Sediment Deposits (B2) (Nonriverine)
- Drift Deposits (B3) (Nonriverine)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (Riverine)
- Sediment Deposits (B2) (Riverine)
- Drift Deposits (B3) (Riverine)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____
 Water Table Present? Yes _____ No _____ Depth (inches): _____
 Saturation Present? Yes _____ No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No hydrology indicators. Topography would also not allow ponding of water at this location.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-12
 Applicant/Owner: SMART State: CA Sampling Point: SP7
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Drainage/Developed Local relief (concave, convex, none): concave Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 39.711" N Long: 74° 28' 47.971" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: PEM2
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Low spot in swale running along the east side of the railroad tracks. It does not connect to other waters. Area is approximately 5 feet wide. High water table and hydric soil but doesn't meet vegetation criteria.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Rubus armeniacus</u>	<u>7</u>	<u>Yes</u>	<u>FACU</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>67</u> x 3 = <u>201</u> FACU species <u>22</u> x 4 = <u>88</u> UPL species <u>8</u> x 5 = <u>40</u> Column Totals: <u>87</u> (A) <u>329</u> (B) Prevalence Index = B/A = <u>3.78</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10x5</u>)				
1. <u>Xanthium strumarium</u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Helminthotheca echioides</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>	
3. <u>Rumex crispus</u>	<u>7</u>	<u>No</u>	<u>FAC</u>	
4. <u>Foeniculum vulgare</u>	<u>3</u>	<u>No</u>	<u>UPL</u>	
5. <u>Malva sp.</u>	<u>5</u>	<u>No</u>	<u>UPL</u>	
6. <u>Unknown grass (Festuca perennis?)</u>	<u>30</u>	<u>Yes</u>	<u>FAC?</u>	
7. <u>Geranium sp.</u>	<u>5</u>	<u>No</u>	<u>FAC?</u>	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>15</u> % Cover of Biotic Crust _____				

Remarks:
 Vegetation is distinct from adjacent areas in swale. Southern half of wetland dominated by Himalayan blackberry, with Rumex crispus mixed in and some cattails that had been cut down. Even when being conservative when inferring the indicator status of unknown species, it did not meet vegetation criteria.

SOIL

Sampling Point: SP7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-1								Gritty/gravel
1-8	5YR 4/6	90	2.5 YR 3/6	10	C	M	Clay loam	
8-12	7.5 YR 4/1	100					silty clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			Indicators for Problematic Hydric Soils ³ :		
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 1 cm Muck (A9) (LRR C)			
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> 2 cm Muck (A10) (LRR B)			
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Reduced Vertic (F18)			
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Red Parent Material (TF2)			
<input type="checkbox"/> Stratified Layers (A5) (LRR C)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Other (Explain in Remarks)			
<input type="checkbox"/> 1 cm Muck (A9) (LRR D)	<input type="checkbox"/> Redox Dark Surface (F6)				
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Dark Surface (F7)				
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Depressions (F8)				
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Vernal Pools (F9)				
<input type="checkbox"/> Sandy Gleyed Matrix (S4)					

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Remarks:
 In low spot in depression/swale. A pipe discharges water into this location. The pipe likely contains runoff from the adjacent parking lot.

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)
	<input type="checkbox"/> Water Marks (B1) (Riverine)
	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)
	<input type="checkbox"/> Drift Deposits (B3) (Riverine)
	<input type="checkbox"/> Drainage Patterns (B10)
	<input type="checkbox"/> Dry-Season Water Table (C2)
	<input type="checkbox"/> Crayfish Burrows (C8)
	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
	<input type="checkbox"/> Shallow Aquitard (D3)
	<input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>7</u> Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Remarks:
 Hole began filling with water immediately.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-13
 Applicant/Owner: SMART State: CA Sampling Point: SP8
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Drainage/Developed Local relief (concave, convex, none): concave Slope (%): 1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 40.160" N Long: 74° 28' 48.217" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Within the swale/ditch near SP7. Location slightly higher topographically as compared to SP7. Vegetation is different and no high water table is present. Not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>90</u> x 3 = <u>270</u> FACU species <u>2</u> x 4 = <u>8</u> UPL species <u>8</u> x 5 = <u>40</u> Column Totals: <u>100</u> (A) <u>318</u> (B) Prevalence Index = B/A = <u>3.18</u>
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10x5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Foeniculum vulgare</u>	<u>8</u>	<u>No</u>	<u>UPL</u>	
2. <u>Helminthotheca echioides</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
3. <u>Unknown grass (Festuca perrenis?)</u>	<u>90</u>	<u>Yes</u>	<u>FAC?</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u> % Cover of Biotic Crust <u>0</u>				

Hydrophytic Vegetation Indicators:
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No

Remarks:
 For the purposes of the vegetation calculations, it was assumed that the unknown grass is Festuca perrenis due to its presence in nearby areas. Both SP7 and SP8 have this unknown grass, but vegetation community overall is distinct.

SOIL

Sampling Point: SP8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2								organic layer/roots
2-13	10 YR 3/2	100					Clay loam	Gravel and rocks in layer
13-18	10YR 4/1	85	7.5YR 4/6	15	C	M	Silty clay	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)						Indicators for Problematic Hydric Soils³:		
<input type="checkbox"/> Histosol (A1)			<input type="checkbox"/> Sandy Redox (S5)			<input type="checkbox"/> 1 cm Muck (A9) (LRR C)		
<input type="checkbox"/> Histic Epipedon (A2)			<input type="checkbox"/> Stripped Matrix (S6)			<input type="checkbox"/> 2 cm Muck (A10) (LRR B)		
<input type="checkbox"/> Black Histic (A3)			<input type="checkbox"/> Loamy Mucky Mineral (F1)			<input type="checkbox"/> Reduced Vertic (F18)		
<input type="checkbox"/> Hydrogen Sulfide (A4)			<input type="checkbox"/> Loamy Gleyed Matrix (F2)			<input type="checkbox"/> Red Parent Material (TF2)		
<input type="checkbox"/> Stratified Layers (A5) (LRR C)			<input type="checkbox"/> Depleted Matrix (F3)			<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> 1 cm Muck (A9) (LRR D)			<input type="checkbox"/> Redox Dark Surface (F6)			³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
<input type="checkbox"/> Depleted Below Dark Surface (A11)			<input type="checkbox"/> Depleted Dark Surface (F7)					
<input type="checkbox"/> Thick Dark Surface (A12)			<input type="checkbox"/> Redox Depressions (F8)					
<input type="checkbox"/> Sandy Mucky Mineral (S1)			<input type="checkbox"/> Vernal Pools (F9)					
<input type="checkbox"/> Sandy Gleyed Matrix (S4)								
Restrictive Layer (if present):						Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Type: _____								
Depth (inches): _____								
Remarks: Soil doesn't quite meet requirements for F3. Trash mixed in throughout soil.								

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Water Marks (B1) (Riverine)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) (Riverine)	
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)	
Field Observations:		Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Surface Water Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____			
Water Table Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____			
Saturation Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ (includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks: No high water table, in contrast to adjacent SP7. Soil moist but not saturated. No hydrology indicators.			

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-13
 Applicant/Owner: SMART State: CA Sampling Point: SP9
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Drainage Local relief (concave, convex, none): concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 23.054" N Long: 74° 28' 39.943" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: PEM1
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: Drainage feature with wetland vegetation, about 6 feet wide at the OHWM/edge of wetland vegetation. Culverted - goes under railroad tracks. Standing water. No soil pit taken within drainage, but other observations noted in order to document the feature.	

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:
_____ = Total Cover				
<u>Sapling/Shrub Stratum</u> (Plot size: _____)				OBL species <u>90</u> x 1 = <u>90</u>
1. _____	_____	_____	_____	FACW species <u>2</u> x 2 = <u>4</u>
2. _____	_____	_____	_____	FAC species <u>0</u> x 3 = <u>0</u>
3. _____	_____	_____	_____	FACU species <u>3</u> x 4 = <u>12</u>
4. _____	_____	_____	_____	UPL species <u>0</u> x 5 = <u>0</u>
5. _____	_____	_____	_____	Column Totals: <u>95</u> (A) <u>106</u> (B)
_____ = Total Cover				Prevalence Index = B/A = <u>106</u>
<u>Herb Stratum</u> (Plot size: <u>6x10</u>)				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Typha latifolia</u>	<u>90</u>	<u>Yes</u>	<u>OBL</u>	
2. <u>Cyperus eragrostis</u>	<u>2</u>	<u>No</u>	<u>FACW</u>	
3. <u>Helminthotheca echioides</u>	<u>3</u>	<u>No</u>	<u>FACU</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Woody Vine Stratum</u> (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____		% Cover of Biotic Crust _____		

Remarks:
 5% open water.

SOIL

Sampling Point: SP9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) **(LRR C)**
- 1 cm Muck (A9) **(LRR D)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) **(LRR C)**
- 2 cm Muck (A10) **(LRR B)**
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

No soil pit; hydric soil is assumed due to persistent inundation and obligate wetland vegetation.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) **(Nonriverine)**
- Sediment Deposits (B2) **(Nonriverine)**
- Drift Deposits (B3) **(Nonriverine)**
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) **(Riverine)**
- Sediment Deposits (B2) **(Riverine)**
- Drift Deposits (B3) **(Riverine)**
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 24+
 Water Table Present? Yes _____ No _____ Depth (inches): _____
 Saturation Present? Yes _____ No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Drainage has water present, running east to go under tracks through culvert.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-13
 Applicant/Owner: SMART State: CA Sampling Point: SP10
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): none Slope (%): 3
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 23.448" N Long: 74° 28' 39.701" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: Slope down to drainage (SP9). Dominated by a FAC species, but area is not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species <u>86</u> x 3 = <u>258</u> FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: <u>86</u> (A) <u>258</u> (B) Prevalence Index = B/A = <u>3.0</u>
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10x10</u>)				
1. <u>Dipsacus fullon</u>	<u>85</u>	<u>Yes</u>	<u>FAC</u>	
2. <u>Geranium sp.</u>	<u>1</u>	<u>No</u>	<u>FAC?</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>86</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>14</u>		% Cover of Biotic Crust _____		

Hydrophytic Vegetation Indicators:
 Dominance Test is >50%
 Prevalence Index is ≤3.0¹
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes No _____

Remarks:

SOIL

Sampling Point: SP10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	7.5YR 3/2	79	7.5YR 5/6	1	C	M	Clay loam	
0-10	7.5YR 3/3	19	7.5 YR 5/6	1	C	M	Clay loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) **(LRR C)**
- 1 cm Muck (A9) **(LRR D)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) **(LRR C)**
- 2 cm Muck (A10) **(LRR B)**
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:

Very small amount of redox. Topography indicates that water may flow over this area to reach the adjacent drainage, but that no ponding would occur here.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water Marks (B1) (Riverine)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Drift Deposits (B3) (Riverine)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Salt Crust (B11)	
<input type="checkbox"/> Biotic Crust (B12)	
<input type="checkbox"/> Aquatic Invertebrates (B13)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____
 Water Table Present? Yes _____ No _____ Depth (inches): _____
 Saturation Present? Yes _____ No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

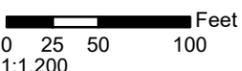
Remarks:

No hydrology indicators.

**ATTACHMENT B:
WETLAND DELINEATION MAPS**



Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00



 4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
Attachment B: Wetland Delineation
Maps (1 of 9)

- | | |
|--------------|--|
| Study Area | Drainage/Traditional Navigable Water (TNW) |
| Drain | Freshwater Marsh (FM) |
| Sample Point | Seasonal Wetland (SW) |
| Ditch | Non-Relatively Permanent Water (Non-RPW) |
| Culvert | |

Directions from San Francisco:
 Take US 101 North.
 Take Exit 452 toward Central San Rafael.
 Merge onto Irwin Street.
 Turn west onto 3rd Street.
 Turn South onto Tamalpais Avenue.
 Arrive at San Rafael Transit Center.
Delineated By K. Bischel, K. Tremain
& D.J. Allison on 1/14-1/15/2014, and 3/20/2014





Potentially Jurisdictional Features Within Study Area (Acres)	
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TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00


 0 25 50 100 Feet
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
Attachment B: Wetland Delineation
Maps (2 of 9)

- Potentially Jurisdictional Features**
-  Study Area
 -  Drain
 -  Sample Point
 -  Ditch
 -  Culvert
 -  Drainage/Traditional Navigable Water (TNW)
 -  Freshwater Marsh (FM)
 -  Seasonal Wetland (SW)
 -  Non-Relatively Permanent Water (Non-RPW)

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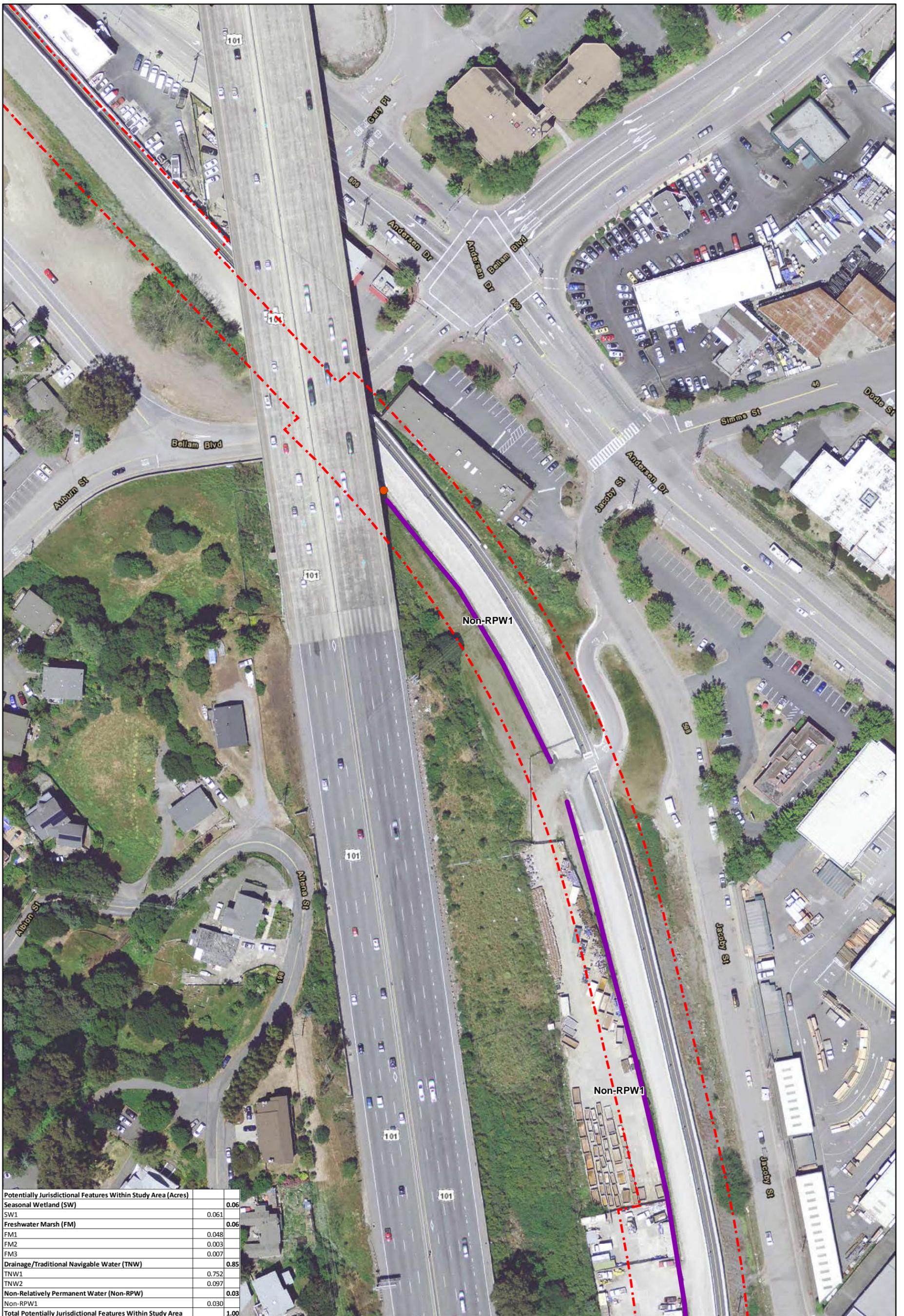
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Non-Relatively Permanent Water (Non-RPW)	0.03
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Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (3 of 9)

Study Area
 Drain
 Sample Point
 Ditch
 Culvert
Potentially Jurisdictional Features
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

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Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (4 of 9)

Potentially Jurisdictional Features
 Study Area
 Drain
 Sample Point
 Ditch
 Culvert
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

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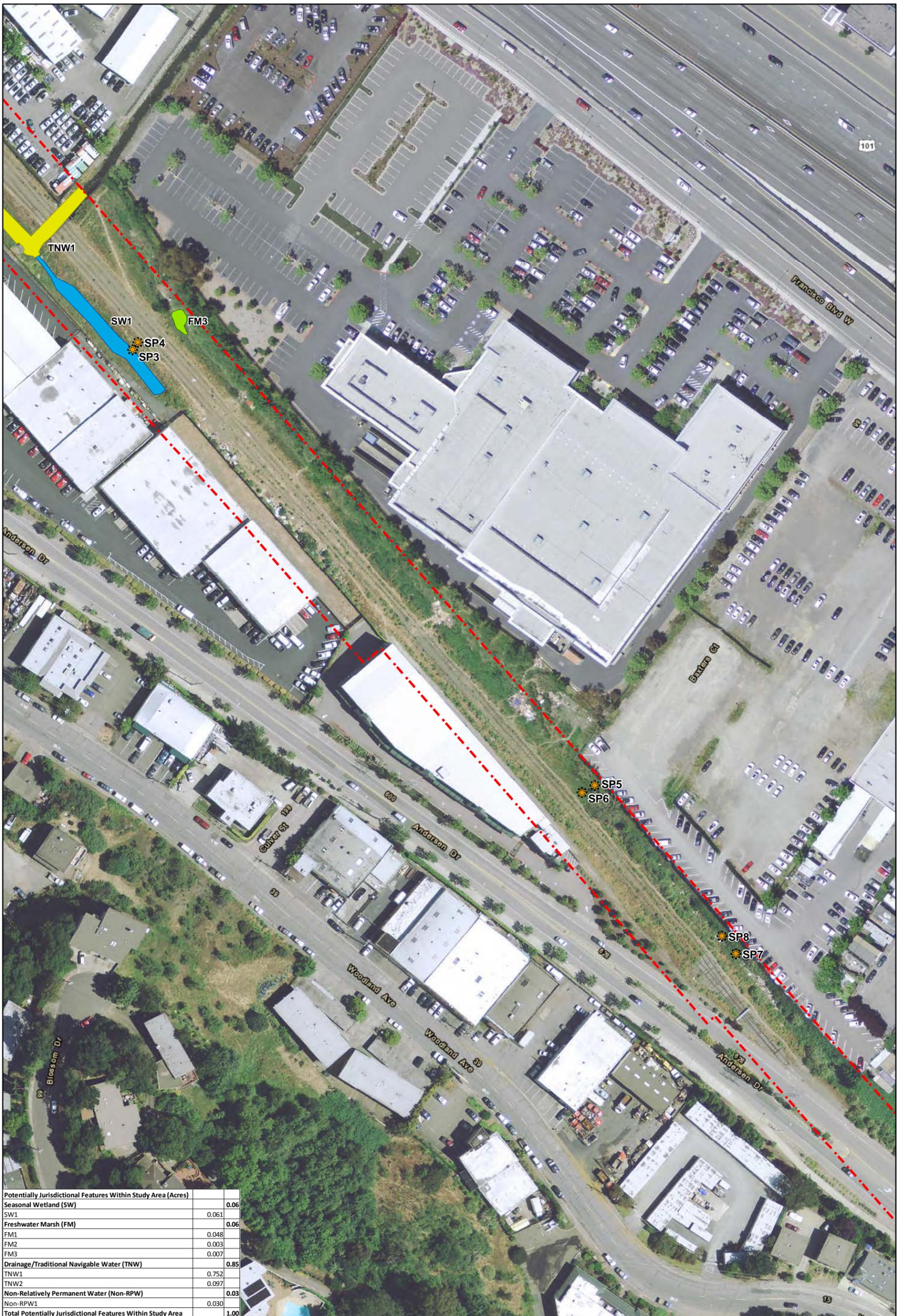
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TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (5 of 9)

Potentially Jurisdictional Features
 Study Area
 Drain
 Sample Point
 Ditch
 Culvert
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

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Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (6 of 9)

- Potentially Jurisdictional Features**
- Study Area
 - Drain
 - Sample Point
 - Ditch
 - Culvert
 - Drainage/Traditional Navigable Water (TNW)
 - Freshwater Marsh (FM)
 - Seasonal Wetland (SW)
 - Non-Relatively Permanent Water (Non-RPW)

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TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

0 25 50 100 Feet
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (7 of 9)

- Potentially Jurisdictional Features**
- Study Area
 - Drain
 - Sample Point
 - Ditch
 - Culvert
 - Drainage/Traditional Navigable Water (TNW)
 - Freshwater Marsh (FM)
 - Seasonal Wetland (SW)
 - Non-Relatively Permanent Water (Non-RPW)

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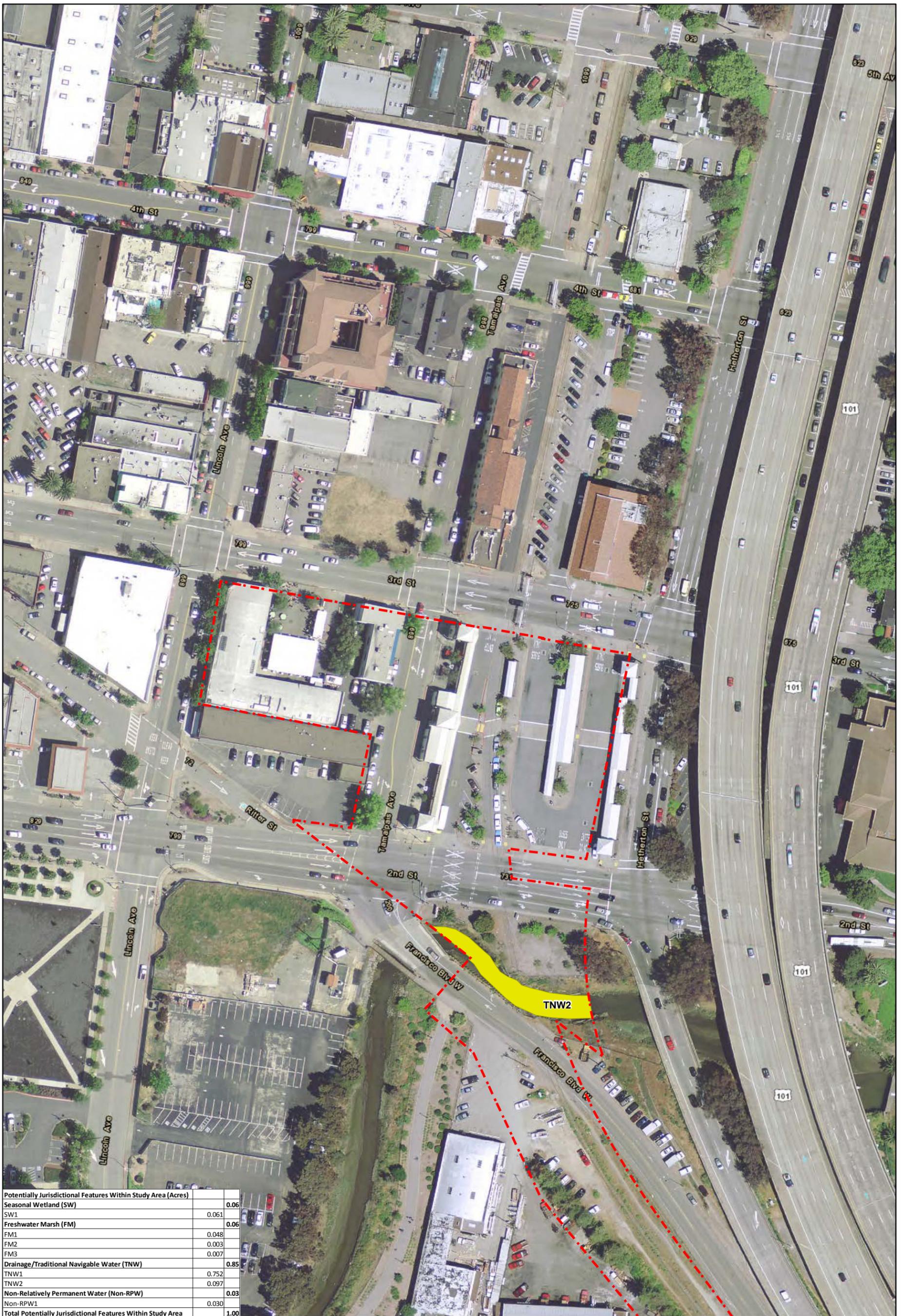
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TNW1	0.752
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Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (8 of 9)

Potentially Jurisdictional Features
 Study Area
 Drain
 Sample Point
 Ditch
 Culvert
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

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Total Potentially Jurisdictional Features Within Study Area	1.00

0 25 50 100 Feet
 1:1,200
 1 in = 100 ft
 4/15/2014
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (9 of 9)

Study Area
 Drain
 Sample Point
 Ditch
 Culvert
Potentially Jurisdictional Features
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 Freshwater Marsh (FM)
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**ATTACHMENT C:
SITE PHOTOGRAPHS**



Photograph 1: A general view of the study area at the southern terminus in Larkspur. This photograph was taken near the southern terminus facing north towards the study area. The railroad right-of-way has been graveled and the historic rails are absent.



Photograph 2: A general view of the study area near Sample Point 6. The abandoned railroad tracks are shown;

the tracks on the left represent the centerline of the railroad right-of-way.



Photograph 3: Sample Point 1 in a ditch west of the railroad right-of-way.



Photograph 4: Freshwater Marsh (FM) 1 and Sample Point 2 at the northern end of the tunnel, in the drainage ditch just west of the railroad right-of-way, facing south.



Photograph 5: Seasonal Wetland (SW) 1 and Sample Point 3 just west of the railroad right-of-way.



Photograph 6: A general view of upland habitat on the railway berm (on the left side in the photo) near Sample Point 4.



Photograph 7: Sample Point 5, a location that was determined not to be a wetland.



Photograph 8: Sample Point 7, located in a low area just east of the railroad berm in an area that was determined not to be a wetland.



Photograph 9: Sample Point 8, located in an upland area.



Photograph 10: FM2 and Sample Point 9, showing the drainage culvert in the background that runs beneath the railroad berm.



Photograph 11: Sample Point 10, located in an upland area uphill from FM2.



Photograph 12: FM3, a very disturbed area east of the railroad right-of-way (this area was not sampled because of health and safety concerns).



Photograph 13: San Rafael Creek—TNW2—just upstream from the SMART rail crossing.



Photograph 14: An unnamed channel—TNW1—that parallels and then crosses the study area.



Photograph 15: A ditch—Non-RPW1—that connects FM1 to the storm drain system, which eventually discharges to San Rafael Bay.

**ATTACHMENT D:
SPECIES TABLE**

Table D-1: Federally Listed Species Considered for Potential to Occur in the Project Corridor

Species	Federal Listing Status	Habitat Requirements	Potential to Occur
<i>Plants</i>			
Tiburon Mariposa lily <i>Calochortus tiburonensis</i>	Threatened	Valley grassland in serpentine soils between 5 and 50 meters. Blooms from May through June.	No suitable grassland habitat or serpentine soils are present in the study area. Furthermore, this species is restricted to isolated areas of the Tiburon Peninsula. No known populations exist in the San Rafael or Larkspur areas. No Potential
Marin western flax <i>Hesperolinon congestum</i>	Threatened	Grassland and chaparral vegetation within serpentine soils below 200 meters. Blooms from April through June.	No areas containing serpentine soils are present in the study area, and thus, no suitable habitat is present. Although historic records have been recorded in the San Rafael area, no extant populations are known to exist along the project corridor. No Potential
Santa Cruz tarplant <i>Holocarpha macradenia</i>	Threatened	Coastal grasslands and coastal bluffs on clay soil below 200 meters. Blooms from June through October.	No extant populations of this species are known to exist in Marin County. The nearest extant populations exist in the Tilden Park area of Alameda County across the San Francisco Bay. No suitable coastal grassland habitat is present in the project corridor. No Potential

Table D-1: Federally Listed Species Considered for Potential to Occur in the Project Corridor

Species	Federal Listing Status	Habitat Requirements	Potential to Occur
Showy rancheria clover <i>Trifolium amoenum</i>	Endangered	Wet swales or grassy areas in coastal grasslands, occurs in moist heavy soils, often in serpentine soils, below 100 meters. Blooms from April through June.	No suitable habitat is present in the project corridor. No extant populations are known to exist within 5 miles of the project corridor. Only one extant population is known to support the species near Dillon Beach in western Marin County. No Potential
Tiburon jewel-flower <i>Streptanthus glandulosus ssp. niger</i>	Endangered	Serpentine rocky outcrops or soils in grasslands below 150 meters. Blooms May through July.	Serpentine outcrops are not present in the project corridor, and thus, no suitable habitat is present. The nearest known populations exist on the Tiburon Peninsula. No Potential
Tiburon paintbrush <i>Castilleja affinis ssp. neglecta</i>	Endangered	Valley grassland on open serpentine slopes below 300 meters. Occurs in Napa, Marin, and Santa Clara counties. Blooms from April through June.	Serpentine outcrops are not present in the project corridor, and thus, no suitable habitat is present. The nearest known populations exist on the Tiburon Peninsula. No Potential
White-rated pentachaeta <i>Pentachaeta bellidiflora</i>	Endangered	Open grasslands located on rocky soils, often derived from serpentine rock below 620 meters. Blooms from March through May.	This species is known to occur only in two locations along Interstate 280 in San Mateo County. No extant populations are known in Marin County. Open grassland habitat and serpentine habitat are not present in the project corridor. No Potential

Table D-1: Federally Listed Species Considered for Potential to Occur in the Project Corridor

Species	Federal Listing Status	Habitat Requirements	Potential to Occur
<i>Invertebrates</i>			
San Bruno elfin butterfly <i>Callophrys mossii bayensis</i>	Endangered	Rocky outcrops and cliffs in coastal scrub habitat. Occurs on north-facing slopes within the fog belt where the host plant, stonecrop (<i>Sedum spathulifolium</i>) grows. Species is restricted to three known locations in San Mateo County.	Stonecrop was not observed during the field survey and the project corridor is located outside of the known range for this species. No Potential
<i>Fish</i>			
Coho salmon—central California coast ESU <i>Oncorhynchus kisutch</i>	Endangered	Anadromous; migrates through and spawns in coastal rivers and streams from Santa Cruz to Mendocino County.	Not known to occur in San Rafael Creek or Corte Madera Creek. Suitable spawning is not present within the tributaries to Corte Madera Creek or San Rafael Creek. No known spawning populations are within creeks flowing to San Francisco Bay in Marin County. No Potential
Steelhead—central California coast ESU <i>Oncorhynchus mykiss irideus</i>	Threatened	Anadromous; coastal rivers, streams, and creeks from Santa Cruz County north to the Russian River basin.	Potential habitat is present where the project corridor crosses San Rafael Creek, but no known populations spawn in San Rafael Creek or its tributaries. Spawning habitat is highly urbanized/channelized and degraded upstream of the project corridor. Populations are known to spawn in Corte Madera Creek south of Larkspur Station. Communications with the National Marine Fisheries Service have indicated that this species is not present within San Rafael Creek. No Potential

Table D-1: Federally Listed Species Considered for Potential to Occur in the Project Corridor

Species	Federal Listing Status	Habitat Requirements	Potential to Occur
Birds			
California clapper rail <i>Rallus longirostris obsoletus</i>	Endangered	Coastal salt and brackish marshes and tidal sloughs with sufficient cover. Nests in cordgrass, pickleweed, gumplant, and salt grass in tidal marshes.	No suitable habitat is present where the project corridor crosses San Rafael Creek because of the lack of emergent tidal marsh vegetation. No suitable habitat is present within 700 feet of the ROW. Known occurrences exist approximately 1 mile and 0.5 mile from the project corridor, where San Rafael Creek meets the Bay and where Corte Madera Creek meets the Bay, respectively. No Potential
Mammals			
Salt marsh harvest mouse <i>Reithrodontomys raviventris</i>	Endangered	Saline emergent wetlands and brackish marshes dominated by pickleweed.	No pickleweed-dominated vegetation is present in the project corridor. The nearest suitable habitat is present along Corte Madera Creek, approximately 0.5 mile from the planned Larkspur Station. No Potential
Source: Data compiled by AECOM in 2013			

Draft Preliminary Delineation of Waters of the United States, Including Wetlands

Sonoma-Marín Area Rail Transit
Downtown San Rafael-Larkspur Extension



Prepared for:



Prepared by:



July 2014

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- Attachment B: Wetland Delineation Maps
- Attachment C: Site Photographs

Acronyms and Abbreviations

CFR	Code of Federal Regulations
CWA	Clean Water Act
FAC	facultative
FACU	facultative upland
FACW	facultative wetland
FM	freshwater marsh
GPS	global positioning system
NAD 83	North American Datum 83
Non-RPW	Non-Relatively Permanent Water
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
OBL	obligate
OHWM	ordinary high water mark
PEM1	palustrine emergent persistent wetlands
PEM2	palustrine emergent nonpersistent wetlands
PJD	preliminary jurisdiction determination
ROW	right-of-way
RPW	relatively permanent waters
SMART	Sonoma Marin Area Rail Transit
SP	sampling point
SW	seasonal wetlands
TNW	traditional navigable waters
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
WSS	web soil survey

1 INTRODUCTION

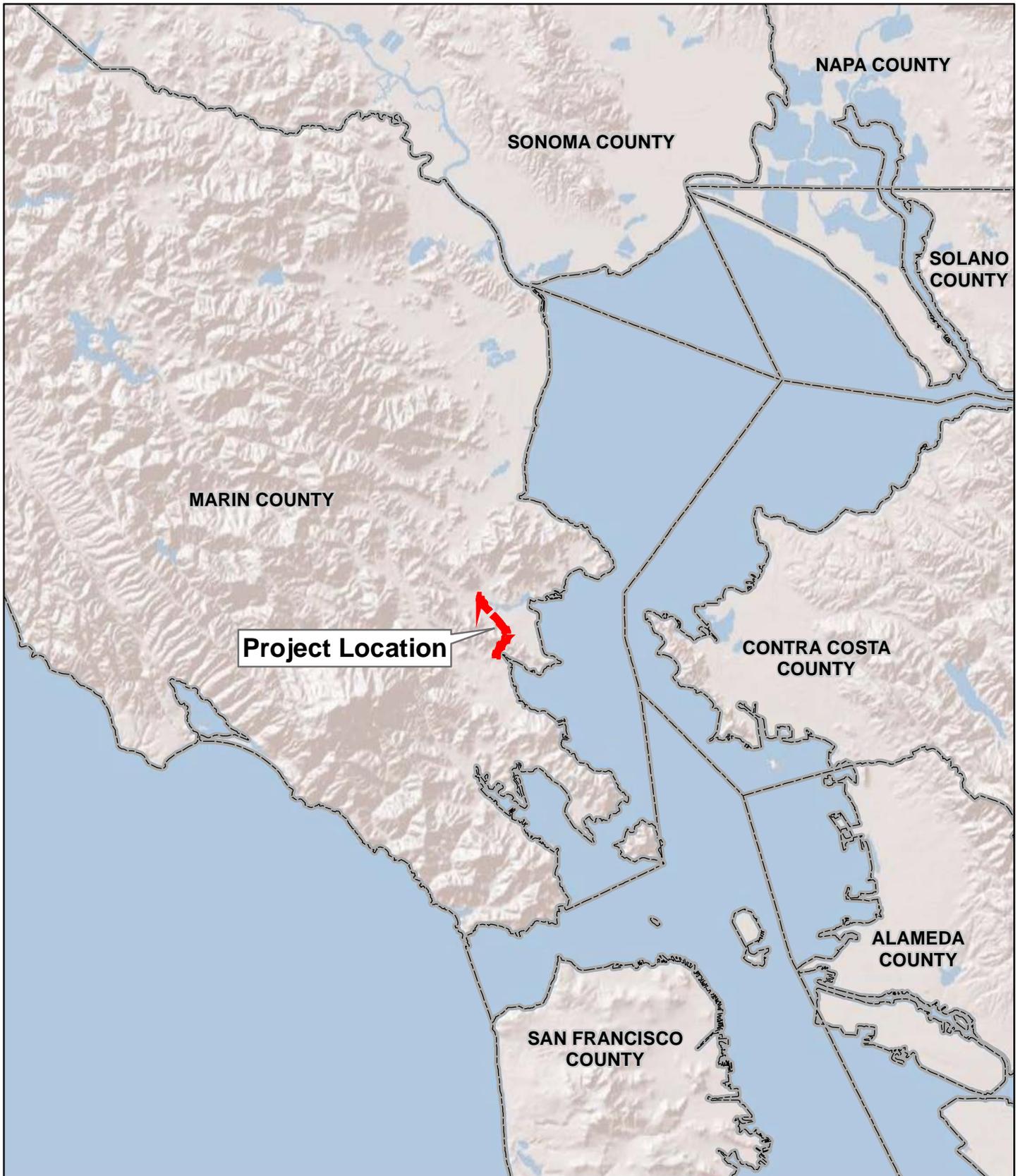
Sonoma Marin Area Rail Transit (SMART) plans to build an approximately 2-mile-long segment of railroad from downtown San Rafael to Larkspur Landing in Marin County, California (Figure 1, Project Location Map). This would be one segment of the SMART train project that is currently under construction, running from Cloverdale to Larkspur. In preparation for the Downtown San Rafael-Larkspur Extension (project), a delineation of waters of the United States, including wetlands, was conducted within the SMART right-of-way (ROW) for this segment. This report describes the methodology, discusses the results of the field survey, and provides a preliminary jurisdictional determination of all water features in the project rail corridor.

1.1 PROJECT DESCRIPTION

The project purpose is to improve the transit connection between downtown San Rafael and Larkspur Landing by providing a passenger rail service between these locations. This project is part of the greater SMART program, intended to provide a passenger rail service from northern Sonoma County south along Highway 101 to Larkspur Landing at the southern terminus. This would improve local and regional travel and, by extension, improve mobility in the congested north-south U.S. Highway 101 traffic corridor in Marin and Sonoma counties.

Phase 1 of the SMART train project will provide commuter rail transit service from downtown San Rafael in the south to the northern terminus in Santa Rosa and eventually to Cloverdale. When this first phase is completed in 2015 or 2016, SMART will be the only rail service in the San Francisco Bay Area that does not link to another rail service or a major ferry terminal. This gap will separate the North Bay from the region's overall rail and ferry network, thereby reducing the network's effectiveness for all Bay Area residents and employers.

Downtown San Rafael is a major residential and employment center and is one of the most densely populated parts of Marin County. San Rafael also is a major multi-modal transportation hub, and it contains the most heavily used transit facility in San Francisco's North Bay: the San Rafael Bettini Transit Center. The Larkspur Ferry Terminal, which provides a well utilized transit connection to downtown San Francisco, is located at Larkspur Landing and is approximately 2.8 miles south of the Bettini Transit Center along the U.S. Highway 101 corridor. All vehicular traffic (including Golden Gate Transit express buses) going from Sonoma County or from northern and central Marin County to San Francisco must pass through this corridor. This project will provide an alternative means of transportation between the Bettini Transit Center and Larkspur Landing. By linking downtown San Rafael and Larkspur Landing, it will close a gap in regional fixed-guideway transit services. Material staging areas for project construction are anticipated to be located within the SMART ROW. The approximate location of the project corridor is shown in Figure 1, Project Location Map.





 Miles
 0 1 2 4
 1 in = 4 miles
 1:264,000

2/13/2013

SMART San Rafael-Larkspur
 Figure 1: Project Location Map

 Study Area
 County Boundary



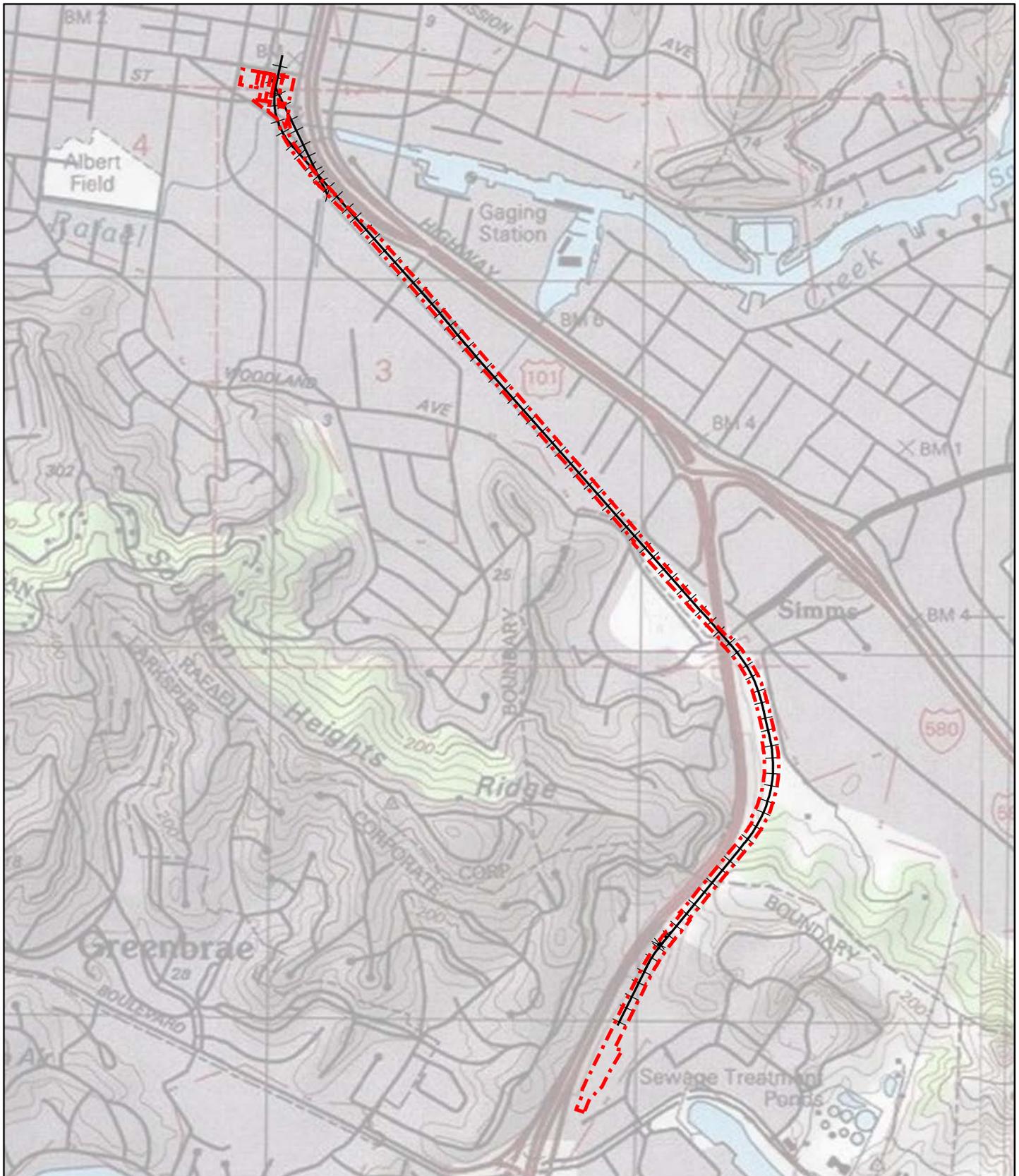
1.2 PROJECT LOCATION AND STUDY AREA

The project would be located within an unused rail corridor that begins in downtown San Rafael at the planned San Rafael Station, near the intersection of 3rd Street and Tamalpais Avenue. From there, the rail corridor travels approximately 0.1 mile south, crossing San Rafael Creek (also known as Mahon Creek) before traveling southeast for approximately 1.4 miles to the northern entrance of the Cal Park Tunnel. The rail corridor then travels through the Cal Park Tunnel for approximately 0.2 mile, before emerging from the southern end of the tunnel, and continues approximately 0.3 mile along the eastern edge of Highway 101 in Larkspur before terminating at the planned Larkspur Station. The wetland delineation study area was the SMART ROW, which is located along the project corridor. The study area is 28.69 acres in size.

The study area is located in the U.S. Geological Survey (USGS) San Rafael 7.5-minute quadrangle (Figure 2, Topographic Study Area Map). The linear study area is located in Township 1 North, Range 6 West, Sections 3 and 10. The study area is located within the USGS San Pablo Bay Hydrologic Unit Code (USGS 2013), and more specifically, within the San Rafael Creek and Ross Valley watersheds (County of Marin Department of Public Works 2009).

1.3 CLIMATE

Average January temperatures in the study area range from 40.9 to 56.0°F, and average precipitation for January, recorded at the San Rafael Civic Center, is 8.10 inches (WRCC 2013). The study area typically averages 35.59 inches of rainfall annually, with most low- to moderate-intensity rain storms occurring from December through March (WRCC 2013). The field survey for the wetland delineation was conducted by AECOM biologists on January 14–15, 2013. The field conditions were dry and clear on January 14–15, with temperatures reaching the upper 50s °F (NWS 2013). The most recent rain event before the field survey for the wetland delineation was on January 9, 2013, and only 0.01 inch of rain was logged by the Point San Pedro Station in Peacock Gap Golf and Country Club in San Rafael (University of California Agriculture and Natural Resources 2013). A total of 0.51 inch of precipitation fell 2 weeks before the field survey for the wetland delineation, and a total of 11.15 inches fell in the 2013 water year before the field survey (University of California Agriculture and Natural Resources 2013).




 Feet
 0 300 600 1,200
 1 in = 1,200 ft
 1:14,400

2/5/2013

SMART San Rafael-Larkspur
 Figure 2: Topographic Study Area Map

-  SMART San Rafael-Larkspur
-  Study Area



2 REGULATORY FRAMEWORK

Any wetland or other waters meeting the following criteria described in Title 33, Section 328.3 of the Code of Federal Regulations (33 CFR 328.3) were preliminarily determined to be jurisdictional waters of the United States:

- 1) All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters, which are subject to the ebb and flow of the tide.
- 2) All interstate waters, including interstate wetlands.
- 3) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
 - a) Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
 - b) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
 - c) Which are used or could be used for industrial purpose by industries in interstate commerce.
- 4) All impoundments of waters otherwise defined as waters of the United States under the definition.
- 5) Tributaries of waters identified in paragraphs (a) (1) through (4) of this section of the CFR.
- 6) The territorial seas.
- 7) Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) (1) through (6) of this section of the CFR.

As described in 33 CFR 328.3, wetlands are defined as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.”

Wetlands and waters that meet these definitions and pass the significant nexus test are subject to the jurisdiction of the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA). The following types of waterbodies are subject to the CWA:

- all traditional navigable waters (TNW) and adjacent wetlands;
- relatively permanent tributaries of TNWs and wetlands with a continuous surface connection to such tributaries; and
- non-relatively permanent tributaries of TNWs and adjacent wetlands if they have a significant nexus to a TNW. Non-relatively permanent waters (RPW) and adjacent wetlands are determined to have a significant nexus to a TNW if they significantly affect the chemical, physical, or biological integrity of a downstream TNW.

TNWs also are subject to the jurisdiction of the USACE under Section 10 of the Rivers and Harbors Appropriation Act of 1899 (EPA 2012).

3 DELINEATION METHODS

3.1 GENERAL METHODS

The Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Environmental Laboratory 2008) were used to delineate wetlands that are potentially subject to USACE jurisdiction under Section 404 of the CWA. The 1987 manual and 2008 Arid West Supplement provide technical guidelines and methods for the three-parameter approach to determining the location and boundaries of jurisdictional wetlands. This approach requires that an area support positive indicators of hydrophytic vegetation, hydric soils, and wetland hydrology to be considered a jurisdictional wetland.

The wetland delineation field survey was conducted by AECOM biologists Kristina Bischel and Kristin Tremain on January 14, 2013, by Kristina Bischel and DJ Allison on January 15, 2013, and by Kristina Bischel on March 20, 2014. The entire study area was surveyed, including the Cal Park Tunnel. The hillside above the Cal Park Tunnel was not surveyed, as it is not a part of the project corridor and no project-related impacts would occur there. Routine wetland determination data forms were completed for 10 sampling points (SP) and are provided in Attachment A, Data Forms.

Potentially jurisdictional areas were identified and mapped in the field, and were later digitized onto an aerial photograph. SP locations also were recorded digitally using a global positioning system (GPS), and were imported onto an electronic version of the aerial photograph. GPS data

were recorded in North American Datum 83 (NAD 83). Botanical nomenclature followed *The Jepson Manual: Vascular Plants of California*, Second edition (Baldwin et. al. 2012).

To determine whether hydrophytic vegetation dominated the area, plant species at SPs were listed on data forms and the wetland indicator status was recorded for the dominant species using the USACE National Wetlands Plant List: California 2012 Final State Wetland Plant List (Lichvar 2012). Hydrophytic species include those listed as obligate (OBL), facultative wetland (FACW), or facultative (FAC). The designation of a species corresponds to the probability that a species will occur in a wetland habitat. The indicator categories are defined in Table 1, Wetland Indicator Categories.

Table 1: Wetland Indicator Categories

Indicator Category	Wetland Occurrence
Obligate Wetland (OBL)	Almost always occurs in wetlands
Facultative Wetland (FACW)	Usually occurs in wetlands, but may occur in non-wetlands
Facultative (FAC)	Occurs in wetlands or non-wetlands
Facultative Upland (FACU)	Usually occurs in non-wetlands, but may occur in wetlands
Obligate Upland (UPL)	Almost never occurs in wetlands. ¹
Note: ¹ Plants not listed on the 2012 National Wetland Plant List are assumed to be UPL. Source: Lichvar et al. 2012	

Waters of the United States were delineated based on the ordinary high water mark (OHWM). OHWMs for drainages typically correspond with characteristics such as shelving, scour lines, and other natural linear features that define the bed and bank portion of the channel which floods under normal conditions (USACE 2005).

Soils were examined by digging soil test pits to determine whether hydric soils existed in the sampling location. Soils were described in terms of depth, matrix color, redoxymorphic color (when present), and moisture status at each location. Other diagnostic features indicative of hydric soils, such as the presence of concretions and oxidized rhizospheres (a redoximorphic feature, according to Vepraskas [1992]), also were recorded on data forms. Hydric soil determinations were based on the indicators provided by the 1987 Wetlands Delineation Manual and 2008 Arid West Supplement. Soil units mapped for the study area as part of the soil survey were cross-referenced with the National Hydric Soils List by state (NRCS 2012a) to determine if the soils were listed as a hydric map unit.

The significant nexus test—outlined in a memorandum that was jointly authored by the U.S. Environmental Protection Agency and USACE—was applied to each potentially jurisdictional habitat type (Grumbles and Woodley 2008). To facilitate jurisdictional determinations consistent with the guidance, each delineated waterbody was evaluated as a TNW, RPW, or non-RPW, based on the following definitions:

- TNWs include all waters subject to the ebb and flow of the tide, or waters that are presently used, have been used in the past, or may be used in the future to transport interstate or foreign commerce, and all waters that are navigable in fact under federal law for any purpose.
- RPWs are waters that flow continuously at least seasonally (typically at least 3 months of the year) and are not TNWs.
- Non-RPWs are waters that do not have continuous flow at least seasonally.

Delineation SPs are shown on the nine maps provided in Attachment A, Data Forms; these SPs are cross-referenced to the wetland determination data forms provided in Attachment A, Data Forms.

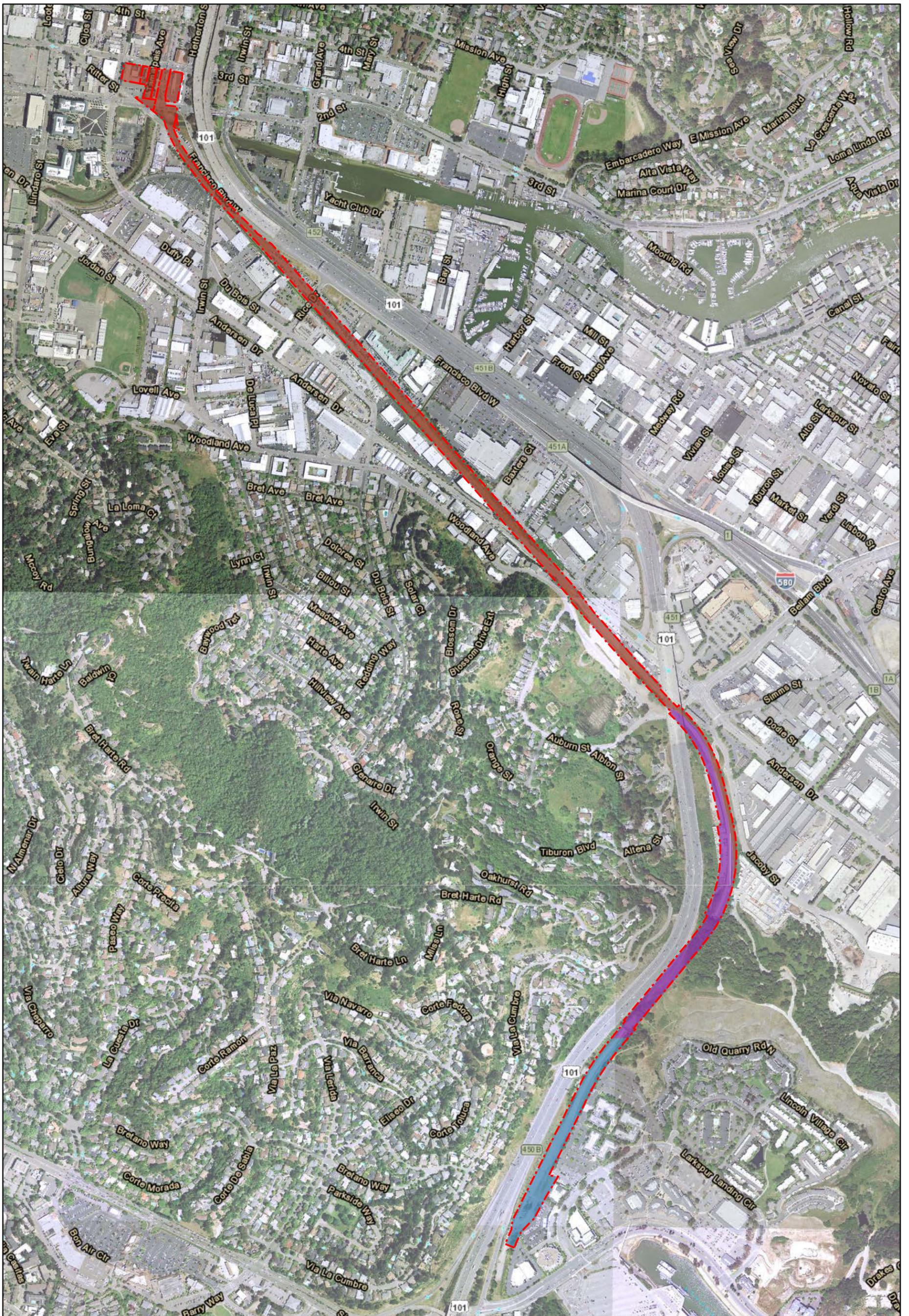
3.2 LITERATURE REVIEW

A literature review was conducted for the study area to identify potential wetlands and other waters, as well as to collect information on hydrophytic vegetation, hydric soils, and wetland hydrology. Materials reviewed included a past wetland delineation of the study area (GANDA 2005; GANDA 2012), the USFWS National Wetland Inventory (NWI) (USFWS 2012), and aerial photography of the study area (Google Earth 2012). Soil types in the study area were identified using the Web Soil Survey (WSS), a resource provided by the National Resources Conservation Service (NRCS) (NRCS 2012b); soil types in the study area are shown in Figure 3, Soils Map.

4 STUDY RESULTS

4.1 VEGETATION

The study area is composed of ruderal vegetation, developed areas, tidally-influenced drainages, seasonal wetlands, and freshwater marsh habitats. The study area is very disturbed, and the majority of plant species present are non-native. Habitats in the vicinity of the project corridor are further described in the Biological Resources Technical Report for this project. Representative photographs of the study area are provided in Attachment C, Site Photographs.





 Feet
 0 175 350 700
 1:8,400
 1 in = 700 ft

2/5/2013

 Study Area

Soil Type

-  Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes
-  Urban land-Xerorthents complex, 0 to 9 percent slopes
-  Xerorthents-Urban land complex, 0 to 9 percent slopes



Source: .15m Marin County East Orthoimagery Basemap, April, 2011; U.S. Department of Agriculture Soil Survey for Marin County

4.2 HYDROLOGY

Two tidally-influenced drainages—San Rafael Creek and an unnamed channel—cross through the northern half of the study area in two separate locations. San Rafael Creek crosses through the northernmost part of the study area (Attachment B, Wetland Delineation Maps, Map 9). The unnamed channel parallels the study area for approximately 0.4 mile before making a 90-degree turn, crossing through the study area and connecting with San Rafael Creek (Attachment B, Wetland Delineation Maps, Map 6). These drainages may overflow during storm events or very high tides, and they may contribute to the water table in the study area. San Rafael Creek discharges into San Rafael Bay, in northern San Francisco Bay.

The remainder of the study area receives water primarily from two sources: direct precipitation and runoff from developed areas. The study area follows an unused rail line, which is characterized by fill and low areas or ditches on either side of the rail line in many areas. In the portion of the study area south of Bellam Boulevard and Auburn Street, several roadside ditches along the rail line collect water from Highway 101 and other runoff sources. Water from the ditches enters drains (catchment basins), and it appears to eventually flow through the storm drain system and out to San Francisco Bay (County of Marin 2013; City of San Rafael 2013). Water in a ditch near the corner of Woodland Avenue and Auburn Street enters the storm drain system after crossing beneath an old railway berm. This water similarly appears to eventually discharge to the Bay via underground storm water systems (County of Marin 2013; City of San Rafael 2013). North of Andersen Drive and south of the unnamed channel crossing, several low points along the rail line receive water from parking lots and other industrial runoff, as well as precipitation.

4.3 SOILS

According to the NRCS WSS for Marin County (NRCS 2012b), the study area is composed of three different soil types: Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes (Map Unit 182); Urban land-Xerorthents complex, 0 to 9 percent slopes (Map Unit 202); and Xerorthents-Urban land complex, 0 to 9 percent slopes (Map Unit 204). Two of these soils—Urban land-Xerorthents complex, 0 to 9 percent slopes and Xerorthents-Urban land complex, 0 to 9 percent slopes—are hydric soils according to the National Hydric Soils List (NRCS 2012a).

4.3.1 Tocaloma-McMullin-Urban Land Complex, 30 to 50 Percent Slopes

The Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes, is an upland soil type that occurs between 10 and 1,500 feet elevation. This soil type is not hydric (NRCS 2012a). It is composed of approximately 40 percent Tocaloma soils, 20 percent McMullin soils, 20 percent urban land, and 12 percent other minor components. The Tocaloma series consists of moderately deep, well drained soils that formed in material weathered from sandstone and shale. The McMullin series consists of shallow, well and somewhat excessively drained soils that formed in

material weathered from shale, sandstone, basic igneous and metamorphic rocks. Because the majority of the study area is fill, the original characteristics of the soil generally are no longer present.

4.3.2 Urban Land-Xerorthents Complex, 0 to 9 Percent Slopes

The Urban land-Xerorthents complex, 0 to 9 percent slopes, is a soil that is present in valleys between 0 and 500 feet elevation. This soil type is composed of approximately 20 percent xerorthent soils, 70 percent urban land, and 9 percent other minor components. This soil type is included on the National Hydric Soils List (NRCS 2012a). According to this list, this soil type has a 4 percent of Hydraquents, Novato, and Reyes inclusions in tidal flats and salt marshes. Because the majority of the study area is fill, the original characteristics of the soil generally are no longer present.

4.3.3 Xerorthents-Urban Land Complex, 0 to 9 Percent Slopes

The Xerorthents-Urban land complex, 0 to 9 percent slopes, is a soil that is present in valleys between 0 and 500 feet elevation. This soil type is composed of approximately 45 percent xerorthent soils, 40 percent urban land, and 14 percent other minor components. This soil type is included on the National Hydric Soils List (NRCS 2012a). According to this list, this soil type has 4 percent of Hydraquents, Novato, and Reyes inclusions in tidal flats and salt marshes. Because the majority of the study area is fill, the original characteristics of the soil generally are no longer present.

5 DELINEATION FINDINGS

As summarized in Table 2, Potentially Jurisdictional Features, the 28.69-acre study area contains a total of 1.00 acre of potentially jurisdictional waters of the United States, including wetlands, which include TNWs, a non-RPW, a seasonal wetland, and freshwater marsh habitats.

This section of the report presents the results of the delineation of waters of the United States, as defined by the USACE under Section 404 of the CWA, for the study area. This report is considered a draft until it is verified by the San Francisco District USACE. The maps provided in Attachment B, Wetland Delineation Maps, can be used to obtain a preliminary jurisdiction determination (PJD) from the San Francisco District USACE, as described under Regulatory Guidance Letter 08-02 (USACE 2008).

5.1 JURISDICTIONAL HABITAT TYPES

Waters of the United States within the study area include two TNW features totaling 0.85 acre and one non-RPW that is 0.03 acre in size. All other waters are wetlands, all of which have a significant nexus with waters of the United States (see Table 1, Wetland Indicator Categories).

Table 2: Potentially Jurisdictional Features

Feature	Jurisdiction (acreage)
Traditionally Navigable Water (TNW)	
TNW1 (Unnamed Drainage)	0.752
TNW2 (San Rafael Creek)	0.097
Total TNW Acreage¹	0.85
Non-Relatively Permanent Water (Non-RPW)	
Non-RPW1	0.03
Total Non-RPW Acreage¹	0.03
Wetlands	
Freshwater Marsh (FM)	
FM1	0.048
FM2	0.003
FM3	0.007
Seasonal Wetland (SW)	
SW1	0.061
Total Wetlands¹	0.12
TOTAL POTENTIALLY JURISDICTIONAL FEATURES¹	1.0
Note:	
¹ Acreage in the thousandth decimal place is not included in the total acreage reported in the “total” rows.	
Source: Data compiled by AECOM in 2013 and 2014	

5.1.1 Traditional Navigable Water

As summarized in Table 2, Potentially Jurisdictional Features, two TNWs are present within the study area: San Rafael Creek and an unnamed channel. Collectively, these features total 1.00-acre of the study area. These TNWs are described in further detail as follows.

- TNW1/Unnamed Channel.** The unnamed channel parallels the study area for approximately 0.4 mile, crosses through the study area, and discharges to San Rafael Creek. This feature meets the definition of a TNW because it is tidally influenced. Thus, it is regulated by the USACE under Section 404 of the CWA and Section 10 of the Rivers and Harbors Appropriation Act of 1899. This feature has a variable OHWM, ranging in width from approximately 6 to 12 feet within the study area. The channel contains a very small amount of vegetation composed of OBL and FACW species. However, some hydrophytic species, such as cattails (*Typha* spp.) (OBL), are present in select locations along the drainage and are

located below the OHWM. Where the channel crosses through the study area, several patches of pickleweed (*Salicornia pacifica*) (OBL) were observed at the channel margins.

- **TNW2/San Rafael Creek.** San Rafael Creek is a navigable water, regulated under Section 10 of the RHA, and is located at the northern end of the study area (Attachment B: Wetland Delineation Maps, Map 9). It is a TNW because it is tidally influenced. Thus, it is regulated by the USACE under Section 404 of the CWA and Section 10 of the Rivers and Harbors Appropriation Act of 1899. This feature discharges to San Rafael Bay in northern San Francisco Bay. San Rafael Creek has an OHWM approximately 20 to 25 feet wide within the study area, and it contains very little vegetation at this location.

5.1.2 Non-Relatively Permanent Water

Non-RPWs are ephemeral drainages and convey flow for a short duration after a precipitation event. The study area contains one non-RPW—Non-RPW1—which is approximately 0.03 acre in size. The non-RPW in the study area is described in further detail as follows.

Non-RPW1 is a manmade ditch that runs along the west side of an existing road. It is an average of approximately 1 foot wide at the OHWM and does not contain hydrophytic vegetation. This feature starts at the north end of Freshwater Marsh 1 (FM1), continues north, and discharges into the storm drain system in the City of San Rafael. The water appears to eventually discharge into San Rafael Bay. This feature is considered to be subject to USACE jurisdiction under Section 404 of the CWA because FM1 drains through this ditch, and it eventually connects to a TNW. Non-RPW1 is shown in Attachment B, Wetland Delineation Maps, Maps 3 and 4.

5.1.3 Freshwater Marsh Wetlands

Freshwater marsh (FM) wetlands are characterized using the Cowardin classification system as paulstrine emergent persistent (PEM1) wetlands (Cowardin et al.1979). As summarized in Table 2, Potentially Jurisdictional Features, the study area contains three FM wetlands, which total 0.06 acre within the study area. The FM wetlands within the study area are described in further detail below. Data forms for SP2 and SP9 in Attachment A: Data Forms provide additional information about freshwater marshes within the study area.

- **FM1.** FM1 is located just north of the Cal Park Tunnel, in a ditch that follows along the west side of an established road (Attachment B: Wetland Delineation Maps, Map 6). The sources of water are runoff from surrounding areas and precipitation, and standing water was present at the time of the field survey. Obligate wetland species—cattails and watercress (*Nasturtium officinale*)—are the dominant plants in this wetland. No OHWM was present in the ditch where vegetation was present. The portion of the ditch that is also a wetland is approximately 260 feet long. The remainder of the ditch north of the wetland—Non-RPW1—is devoid of hydrophytic vegetation and other wetland characteristics. This portion of the ditch is shown

in Attachment B, Wetland Delineation Maps, Map 3 and 4. Water from this ditch enters the storm drain system in the City of San Rafael and appears to eventually discharge into San Rafael Bay. Because of this connection to a TNW, this feature is considered to be subject to USACE jurisdiction, per Section 404 of the CWA.

- **FM2.** FM2 is located within an open channel southeast of the intersection of Auburn Street and Woodland Avenue (Attachment B: Wetland Delineation Maps, Map 5, SP9 and SP10). Only a small portion of this marsh is located within the study area. This feature enters a culvert beneath the railroad berm and enters the underground storm drain system in the City of San Rafael. Standing water was present at the time of the wetland delineation, and the marsh was dominated by broadleaf cattail (*Typha latifolia*) (OBL). Because of the connection to a TNW, this feature is considered to be subject to USACE jurisdiction, per Section 404 of the CWA.
- **FM3.** FM3 is a small, very disturbed feature (Attachment B: Wetland Delineation Maps, Map 6). No SP was taken at this feature because of health and safety concerns related to the highly polluted nature of the site. In addition, obvious wetland vegetation and hydrology were present at this site. The feature was dominated by cattails that had been cut, and salt grass (*Distichlis spicata*) (FACW) also was present. This feature is located in a topographic low on the east side of the railroad berm and does not connect directly to any other water features. TNW1 is approximately 150 feet north of FM3, and Seasonal Wetland 1 (SW1) is approximately 50 feet west of FM3 on the other side of the railroad berm. This feature is assumed to have a groundwater connection and significant nexus with waters of the United States, and therefore is considered to be subject to USACE jurisdiction, per Section 404 of the CWA.

5.1.4 Seasonal Wetlands

Seasonal wetlands (SW) are characterized using the Cowardin classification system as paulstrine emergent nonpersistent (PEM2) wetlands. As summarized in Table 2, Potentially Jurisdictional Features, the study area contains one SW feature, SW1, which is 0.06 acre in size. SW1 is described as follows, and field data is provided in Attachment A, Data Forms, in the data form for SP3.

SW1 is located in a low area at the base of the railroad berm (Attachment B: Wetland Delineation Maps, Map 6, SP3 and SP4). It likely receives water from runoff and precipitation, and may at times receive overflow from the adjacent unnamed channel. This wetland connects directly to TNW1. TNW1 likely sustains the water table at this location. Shallow standing water was present at the time of the wetland delineation, and this area was observed to have hydric soil. Although the hydrophytic vegetation criterion was not met, a prevalence of facultative and facultative wetland species was observed, and the vegetation was very distinct from surrounding upland areas. Had Himalayan blackberry (*Rubus armeniacus*) (facultative upland [FACU]) not

been encroaching into the wetland, the dominance test for hydrophytic vegetation would have been met. Because of these factors, vegetation was considered problematic, and this area is considered to meet the criteria of a water of the United States. Because of the connection to a TNW, this feature is considered to be subject to USACE jurisdiction, per 404 of the CWA.

Areas mapped as seasonal wetlands generally are dominated by hydrophytic vegetation, although vegetation was problematic in SW1. The seasonal wetland habitat sampled had strong hydric soils and wetland hydrology indicators.

5.2 NON-JURISDICTIONAL HABITATS

The study area encompasses 28.69 acres. Potentially jurisdictional habitats total 1.00 acre, and the remaining 27.69 acres of the study area likely are composed of potentially non-jurisdictional habitats. Non-jurisdictional areas include ruderal and developed habitats. Several roadside ditches were observed in the field survey and are noted in Attachment B, Wetland Delineation Maps. However, the features labeled as “ditch” on the maps are not considered to be jurisdictional because they have been excavated wholly in uplands and do not carry a relatively permanent flow of water. USACE guidance (Grumbles and Woodley 2008) states that:

...ditches (including roadside ditches) excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water are generally not waters of the United States because they are not tributaries or they do not have a significant nexus to downstream traditional navigable waters. Even when not jurisdictional waters subject to CWA 404, these geographic features (e.g. swales, ditches) may still contribute to a surface hydrologic connection to between an adjacent wetland and a traditional navigable water.

The conclusions of this non-jurisdictional delineation are contingent on verification by the San Francisco District USACE.

6 JURISDICTIONAL DETERMINATION

As summarized in Table 2, Potentially Jurisdictional Features, the 28.69-acre study area contains 1.00 acre with features likely to be subject to USACE jurisdiction, pursuant to Section 404 of the CWA, including:

- Two TNWs that total 0.85 acre—San Rafael Creek and an unnamed channel. These features both have a direct connection to San Rafael Bay.
- One non-RPW—Non-RPW1—that is approximately 0.03 acre in size. This feature discharges into the storm drain system, which appears to discharge into San Rafael Bay.

- Freshwater marsh and seasonal wetland habitats that generally are dominated by a hydrophytic vegetation assemblage or have problematic vegetation, have hydric soils, have evidence of wetland hydrology, and achieve the USACE three-parameter wetland criteria. The study area contains three freshwater marsh wetlands that total 0.06 acre and one seasonal wetland that is 0.06 acre.

The results of this report are contingent on verification by the San Francisco District USACE.

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**ATTACHMENT A:
DATA FORMS**

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: Larkspur/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP1
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 10, 01N, 06W
 Landform (hillslope, terrace, etc.): Ditch/Developed Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 9' 51.089" N Long: 74° 28' 56.149" W Datum: NAD 83
 Soil Map Unit Name: Xerorthents-Urban land complex, 0 to 9 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: At south end of Calpark tunnel. Ditch is west of road going into tunnel, runs into a covered drain. Ditch has some wetland vegetation and is approximately 2-3 feet wide at OHWM. Adjacent "upland" is mostly developed (gravel road, artificial embankment). Does not meet vegetation criteria.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>3</u> x 2 = <u>6</u> FAC species <u>34</u> x 3 = <u>102</u> FACU species <u>40</u> x 4 = <u>160</u> UPL species <u>3</u> x 5 = <u>15</u> Column Totals: <u>80</u> (A) <u>283</u> (B) Prevalence Index = B/A = <u>3.54</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
Herb Stratum (Plot size: ~10x3 feet)				
1. <u>Helminthotheca echioides</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Cyperus eragrostis</u>	<u>3</u>	<u>No</u>	<u>FACW</u>	
3. <u>Rumex crispus</u>	<u>4</u>	<u>No</u>	<u>FAC</u>	
4. <u>Geranium sp.</u>	<u>3</u>	<u>No</u>	_____	
5. <u>Festuca perennis</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>	
6. <u>Poa annua</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>80</u> = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>3</u> % Cover of Biotic Crust <u>17</u>				

Remarks:
 The Geranium is likely UPL. The percentage is so small that it does not have a significant effect on the outcome of the dominance test or the prevalence index. It does not meet the vegetation criteria.

SOIL

Sampling Point: SP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10 YR 3/2	92	10 YR 5/8	8	C	M	Sandy clay loam	
10-13	7.5 YR 4/6	98	2.5 YR 3/6	2			Clay	

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP2
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 10, 01N, 06W
 Landform (hillslope, terrace, etc.): Ditch/Developed Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 9' 44.384" N Long: 74° 28' 26.511" W Datum: NAD 83
 Soil Map Unit Name: Tocaloma-McMullin-Urban land complex, 30 to 50 percent slopes NWI classification: PEM1

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: FM1. Ditch west of access road with wetland vegetation and standing water. Problematic soil. Wetland in ditch approximately 4 feet wide. Ditch (with no wetland vegetation) continues north and eventually enters a drain and continues underground.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Salix laevigata</u>	<u>2</u>	_____	<u>FACW</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>75</u> x 1 = <u>75</u> FACW species <u>12</u> x 2 = <u>24</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>10</u> x 4 = <u>40</u> UPL species <u>5</u> x 5 = <u>25</u> Column Totals: <u>102</u> (A) <u>164</u> (B) Prevalence Index = B/A = <u>1.61</u>
2. <u>Rubus armeniacus</u>	<u>5</u>	_____	<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
<u>7</u> = Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Helminthotheca echioides</u>	<u>5</u>	<u>No</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Cytisus scoparius</u>	<u>5</u>	<u>No</u>	<u>UPL</u>	
3. <u>Typha domingensis</u>	<u>25</u>	<u>Yes</u>	<u>OBL</u>	
4. <u>Cyperus eragrostis</u>	<u>10</u>	<u>No</u>	<u>FACW</u>	
5. <u>Typha latifolia</u>	<u>10</u>	<u>No</u>	<u>OBL</u>	
6. <u>Nasturtium officinale</u>	<u>40</u>	<u>Yes</u>	<u>OBL</u>	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>95</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Remarks:

SOIL

Sampling Point: SP2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	7.5 YR 3/1	100						No redox.

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR C)
- 1 cm Muck (A9) (LRR D)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR C)
- 2 cm Muck (A10) (LRR B)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

Gravel/fill mixed into soil. Soil is problematic due to the high amount of fill present and past disturbance, which may mask any redox/hydric soil features.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (Nonriverine)
- Sediment Deposits (B2) (Nonriverine)
- Drift Deposits (B3) (Nonriverine)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (Riverine)
- Sediment Deposits (B2) (Riverine)
- Drift Deposits (B3) (Riverine)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): 3
 Water Table Present? Yes No Depth (inches): 8
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Ponding apparent; standing water present. High water table in other locations (approximately 8 inches deep in the soil pit).

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP3
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Ditch/Developed Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 58.050" N Long: 74° 29' 0.376" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: PEM2
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: This is SW1. Wetland within a low area along the west side of the railroad tracks. No OHWM present. Connects to an unnamed drainage at the north end of the feature, which then runs to the bay. Feature is an average of 10 feet wide. Topography, hydrology, soils, and some vegetation indicates that this is a wetland. Vegetation is problematic.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Rubus armeniacus</u>	<u>3</u>	<u>Yes</u>	<u>FACU</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>5</u> x 2 = <u>10</u> FAC species <u>61</u> x 3 = <u>183</u> FACU species <u>28</u> x 4 = <u>112</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>94</u> (A) <u>305</u> (B) Prevalence Index = B/A = <u>3.2</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: ~10x10 feet)				
1. <u>Helminthotheca echioides</u>	<u>25</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input checked="" type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Geranium sp.</u>	<u>1</u>	<u>No</u>	<u>UPL</u>	
3. <u>Xanthium strumarium</u>	<u>25</u>	<u>Yes</u>	<u>FAC</u>	
4. <u>Conium maculatum</u>	<u>5</u>	<u>No</u>	<u>FACW</u>	
5. <u>Distichlis spicata</u>	<u>35</u>	<u>Yes</u>	<u>FAC</u>	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>9</u> % Cover of Biotic Crust _____				

Remarks:
 The Geranium is likely UPL. The percentage is so small that it does not have a significant effect on the outcome of the dominance test or the prevalence index. Vegetation is problematic. Obvious hydrology and hydric soils are present, and some hydrophytic vegetation (FAC and FACW) is present. Wetland is within a ditch connected to a permanent drainage; ponding in the wetland may be variable, and other non-wetland plants (e.g. Rubus armeniacus) encroach into the wetland.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP4
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Developed/Berm Local relief (concave, convex, none): Convex Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 58.008" N Long: 74° 29' 0.181" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: On top of a railroad berm next to a wetland in a depression/ditch (SP3). Not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)		
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)		
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)		
4. _____	_____	_____	_____	Prevalence Index worksheet:		
= Total Cover					_____ Total % Cover of: _____ Multiply by: _____	
<u>Sapling/Shrub Stratum</u> (Plot size: _____)	_____	_____	_____	OBL species _____ x 1 = _____		
1. _____	_____	_____	_____	FACW species _____ x 2 = _____		
2. _____	_____	_____	_____	FAC species _____ x 3 = _____		
3. _____	_____	_____	_____	FACU species _____ x 4 = _____		
4. _____	_____	_____	_____	UPL species _____ x 5 = _____		
5. _____	_____	_____	_____	Column Totals: _____ (A) _____ (B)		
= Total Cover				Prevalence Index = B/A = _____		
<u>Herb Stratum</u> (Plot size: <u>~10x10</u>)	_____	_____	_____	Hydrophytic Vegetation Indicators:		
1. <u>Festuca perrenis</u>	<u>80</u>	<u>Yes</u>	<u>FAC</u>		<input checked="" type="checkbox"/> Dominance Test is >50%	
2. <u>Trifolium sp.</u>	<u>12</u>	<u>No</u>	<u>Unk</u>		<input type="checkbox"/> Prevalence Index is ≤3.0 ¹	
3. <u>Distichlis spicata</u>	<u>2</u>	<u>No</u>	<u>FAC</u>		<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
4. _____	_____	_____	_____		<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
5. _____	_____	_____	_____		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
6. _____	_____	_____	_____			Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
7. _____	_____	_____	_____			
8. _____	_____	_____	_____			
= Total Cover						
<u>Woody Vine Stratum</u> (Plot size: _____)	_____	_____	_____			
1. _____	_____	_____	_____			
2. _____	_____	_____	_____			
= Total Cover						
% Bare Ground in Herb Stratum <u>6</u> % Cover of Biotic Crust _____						

Remarks:
 Dominant species are facultative; vegetation meets wetland criteria but the plant species are ones that occurs in both wetlands and uplands.

SOIL

Sampling Point: SP4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10 YR 4/3	100					Sand	

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP5
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): depression/developed Local relief (concave, convex, none): concave Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 44.261" N Long: 74° 28' 50.693" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: Disturbed low area on east side of railroad tracks, approximately 7 feet wide. Meets wetland vegetation criteria (but not prevalence index) and hydric soil criteria. No wetland hydrology present. Due to lack of hydrology and the fact that wetland vegetation does not appear to be a strong indicator of wetland status in this case, this area is not considered to be a wetland. It also appears to be isolated.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																																																																												
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>67%</u> (A/B)																																																																											
2. _____	_____	_____	_____																																																																												
3. _____	_____	_____	_____																																																																												
4. _____	_____	_____	_____																																																																												
_____ = Total Cover																																																																															
Prevalence Index worksheet:																																																																															
Total % Cover of:		Multiply by:																																																																													
OBL species	<u>0</u>	x 1 =	<u>0</u>																																																																												
FACW species	<u>10</u>	x 2 =	<u>20</u>																																																																												
FAC species	<u>17</u>	x 3 =	<u>51</u>																																																																												
FACU species	<u>15</u>	x 4 =	<u>60</u>																																																																												
UPL species	<u>0</u>	x 5 =	<u>0</u>																																																																												
Column Totals:	<u>42</u> (A)		<u>131</u> (B)																																																																												
Prevalence Index = B/A = <u>3.12</u>																																																																															
Hydrophytic Vegetation Indicators:																																																																															
<input checked="" type="checkbox"/> Dominance Test is >50%																																																																															
<input type="checkbox"/> Prevalence Index is ≤3.0 ¹																																																																															
<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)																																																																															
<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)																																																																															
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																																																																															
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____																																																																															
<table style="width:100%; border: none;"> <tr> <td style="width:40%;">Herb Stratum (Plot size: <u>12x12</u>)</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:30%;"></td> </tr> <tr> <td>1. <u>Arundo donax</u></td> <td><u>10</u></td> <td><u>Yes</u></td> <td><u>FACW</u></td> <td></td> </tr> <tr> <td>2. <u>Phalaris aquatica</u></td> <td><u>15</u></td> <td><u>Yes</u></td> <td><u>FACU</u></td> <td></td> </tr> <tr> <td>3. <u>Rumex crispus</u></td> <td><u>5</u></td> <td><u>No</u></td> <td><u>FAC</u></td> <td></td> </tr> <tr> <td>4. <u>Unknown grass shoots (Festuca perennis?)</u></td> <td><u>12</u></td> <td><u>Yes</u></td> <td><u>FAC?</u></td> <td></td> </tr> <tr> <td>5. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>6. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>7. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>8. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">_____ = Total Cover</td> <td></td> </tr> <tr> <td colspan="5">Woody Vine Stratum (Plot size: _____)</td> </tr> <tr> <td>1. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td>2. _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">_____ = Total Cover</td> <td></td> </tr> <tr> <td colspan="5">% Bare Ground in Herb Stratum <u>58</u> % Cover of Biotic Crust _____</td> </tr> </table>					Herb Stratum (Plot size: <u>12x12</u>)					1. <u>Arundo donax</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>		2. <u>Phalaris aquatica</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>		3. <u>Rumex crispus</u>	<u>5</u>	<u>No</u>	<u>FAC</u>		4. <u>Unknown grass shoots (Festuca perennis?)</u>	<u>12</u>	<u>Yes</u>	<u>FAC?</u>		5. _____	_____	_____	_____		6. _____	_____	_____	_____		7. _____	_____	_____	_____		8. _____	_____	_____	_____		_____ = Total Cover					Woody Vine Stratum (Plot size: _____)					1. _____	_____	_____	_____		2. _____	_____	_____	_____		_____ = Total Cover					% Bare Ground in Herb Stratum <u>58</u> % Cover of Biotic Crust _____				
Herb Stratum (Plot size: <u>12x12</u>)																																																																															
1. <u>Arundo donax</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>																																																																												
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% Bare Ground in Herb Stratum <u>58</u> % Cover of Biotic Crust _____																																																																															

Remarks:
 Patch of Arundo, with other areas in depression having sparse vegetative cover. The grass species was not flowering and no old flowering heads were found; it may be Festuca perennis due to this species' presence in surrounding areas. We made this assumption for the vegetation calculations. Meets dominance test if grass is FAC, but not the prevalence index.

SOIL

Sampling Point: SP5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	7.5 YR 3/1	98	7.5 YR 4/6	3	C	M	Clay	
6-10	7.5 YR 3/1	97	7.5 YR 4/6	2	C	M	Clay	More clay in lower layer

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (**LRR C**)
- 1 cm Muck (A9) (**LRR D**)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (**LRR C**)
- 2 cm Muck (A10) (**LRR B**)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (**Nonriverine**)
- Sediment Deposits (B2) (**Nonriverine**)
- Drift Deposits (B3) (**Nonriverine**)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (**Riverine**)
- Sediment Deposits (B2) (**Riverine**)
- Drift Deposits (B3) (**Riverine**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Soil was slightly moist. No hydrology indicators seen in the field. No ponding of water apparent on aerial photographs.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin Sampling Date: 1-14-13
 Applicant/Owner: SMART State: CA Sampling Point: SP6
 Investigator(s): K. Bischel and K. Tremain Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Developed/berm Local relief (concave, convex, none): Convex Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 44.452" N Long: 74° 28' 51.084" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Data point taken on top of railroad berm near SP5. Not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33%</u> (A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:	
_____ = Total Cover					_____ Total % Cover of: _____ Multiply by: _____
<u>Sapling/Shrub Stratum</u> (Plot size: _____)	_____	_____	_____	OBL species _____ x 1 = _____	
1. _____	_____	_____	_____	FACW species _____ x 2 = _____	
2. _____	_____	_____	_____	FAC species <u>20</u> x 3 = <u>60</u>	
3. _____	_____	_____	_____	FACU species <u>1</u> x 4 = <u>4</u>	
4. _____	_____	_____	_____	UPL species <u>60</u> x 5 = <u>300</u>	
5. _____	_____	_____	_____	Column Totals: <u>81</u> (A) <u>364</u> (B)	
_____ = Total Cover				Prevalence Index = B/A = <u>4.5</u>	
<u>Herb Stratum</u> (Plot size: _____)	_____	_____	_____	Hydrophytic Vegetation Indicators:	
1. <u>Foeniculum vulgare</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>		<input type="checkbox"/> Dominance Test is >50%
2. <u>Unknown grass (Festuca perrenis?)</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>		<input type="checkbox"/> Prevalence Index is ≤3.0 ¹
3. <u>Cytisus scoparius</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>		<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. <u>Vicia sp.</u>	<u>1</u>	<u>No</u>	<u>FACU/U</u>		<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
5. _____	_____	_____	_____		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<u>81</u> = Total Cover					
<u>Woody Vine Stratum</u> (Plot size: _____)	_____	_____	_____		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
_____ = Total Cover					
% Bare Ground in Herb Stratum <u>19</u>	% Cover of Biotic Crust _____				

Remarks:
 The grass species (same as SP5) was not flowering and no old flowering heads were found; it may be Festuca perrenis due to this species' presence in surrounding areas. We made this assumption for the vegetation calculations. We consider the Vicia species (not flowering) to be FACU or UPL due to species likely to be in this area. For calculations, we used FACU to be conservative.

SOIL

Sampling Point: SP6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-1	N/A						organic	
1-6	N/A						gravel	railroad berm fill

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> 1 cm Muck (A9) (LRR C)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> 2 cm Muck (A10) (LRR B)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Reduced Vertic (F18)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Stratified Layers (A5) (LRR C)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 1 cm Muck (A9) (LRR D)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> Vernal Pools (F9)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/>
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Remarks:
 The soil was dominated by small rocks and it was not possible to get a soil color. The soil is fill for a railroad berm.

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Water Marks (B1) (Riverine)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2) (Riverine)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3) (Riverine)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drainage Patterns (B10)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> FAC-Neutral Test (D5)	

Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes _____ No _____ Depth (inches): _____	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Remarks:
 No hydrology indicators. Topography would also not allow ponding of water at this location.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-12
 Applicant/Owner: SMART State: CA Sampling Point: SP7
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Drainage/Developed Local relief (concave, convex, none): concave Slope (%): 0
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 39.711" N Long: 74° 28' 47.971" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: PEM2
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Low spot in swale running along the east side of the railroad tracks. It does not connect to other waters. Area is approximately 5 feet wide. High water table and hydric soil but doesn't meet vegetation criteria.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Rubus armeniacus</u>	<u>7</u>	<u>Yes</u>	<u>FACU</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>67</u> x 3 = <u>201</u> FACU species <u>22</u> x 4 = <u>88</u> UPL species <u>8</u> x 5 = <u>40</u> Column Totals: <u>87</u> (A) <u>329</u> (B) Prevalence Index = B/A = <u>3.78</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10x5</u>)				
1. <u>Xanthium strumarium</u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Helminthotheca echioides</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>	
3. <u>Rumex crispus</u>	<u>7</u>	<u>No</u>	<u>FAC</u>	
4. <u>Foeniculum vulgare</u>	<u>3</u>	<u>No</u>	<u>UPL</u>	
5. <u>Malva sp.</u>	<u>5</u>	<u>No</u>	<u>UPL</u>	
6. <u>Unknown grass (Festuca perennis?)</u>	<u>30</u>	<u>Yes</u>	<u>FAC?</u>	
7. <u>Geranium sp.</u>	<u>5</u>	<u>No</u>	<u>FAC?</u>	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>15</u> % Cover of Biotic Crust _____				

Remarks:
 Vegetation is distinct from adjacent areas in swale. Southern half of wetland dominated by Himalayan blackberry, with Rumex crispus mixed in and some cattails that had been cut down. Even when being conservative when inferring the indicator status of unknown species, it did not meet vegetation criteria.

SOIL

Sampling Point: SP7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-1								Gritty/gravel
1-8	5YR 4/6	90	2.5 YR 3/6	10	C	M	Clay loam	
8-12	7.5 YR 4/1	100					silty clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			Indicators for Problematic Hydric Soils ³ :		
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 1 cm Muck (A9) (LRR C)			
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> 2 cm Muck (A10) (LRR B)			
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Reduced Vertic (F18)			
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Red Parent Material (TF2)			
<input type="checkbox"/> Stratified Layers (A5) (LRR C)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Other (Explain in Remarks)			
<input type="checkbox"/> 1 cm Muck (A9) (LRR D)	<input type="checkbox"/> Redox Dark Surface (F6)				
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Dark Surface (F7)				
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Depressions (F8)				
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Vernal Pools (F9)				
<input type="checkbox"/> Sandy Gleyed Matrix (S4)					

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Remarks:
 In low spot in depression/swale. A pipe discharges water into this location. The pipe likely contains runoff from the adjacent parking lot.

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Water Marks (B1) (Riverine)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) (Riverine)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>7</u> Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Remarks:
 Hole began filling with water immediately.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-13
 Applicant/Owner: SMART State: CA Sampling Point: SP8
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Drainage/Developed Local relief (concave, convex, none): concave Slope (%): 1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 40.160" N Long: 74° 28' 48.217" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Within the swale/ditch near SP7. Location slightly higher topographically as compared to SP7. Vegetation is different and no high water table is present. Not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species <u>0</u> x 1 = <u>0</u>
3. _____	_____	_____	_____	FACW species <u>0</u> x 2 = <u>0</u>
4. _____	_____	_____	_____	FAC species <u>90</u> x 3 = <u>270</u>
5. _____	_____	_____	_____	FACU species <u>2</u> x 4 = <u>8</u>
_____ = Total Cover				UPL species <u>8</u> x 5 = <u>40</u>
				Column Totals: <u>100</u> (A) <u>318</u> (B)
				Prevalence Index = B/A = <u>3.18</u>
Herb Stratum (Plot size: <u>10x5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:
1. <u>Foeniculum vulgare</u>	<u>8</u>	<u>No</u>	<u>UPL</u>	<input checked="" type="checkbox"/> Dominance Test is >50%
2. <u>Helminthotheca echioides</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	<input type="checkbox"/> Prevalence Index is ≤3.0 ¹
3. <u>Unknown grass (Festuca perrenis?)</u>	<u>90</u>	<u>Yes</u>	<u>FAC?</u>	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?
1. _____	_____	_____	_____	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u> % Cover of Biotic Crust <u>0</u>				

Remarks:
 For the purposes of the vegetation calculations, it was assumed that the unknown grass is Festuca perrenis due to its presence in nearby areas. Both SP7 and SP8 have this unknown grass, but vegetation community overall is distinct.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-13
 Applicant/Owner: SMART State: CA Sampling Point: SP9
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): Drainage Local relief (concave, convex, none): concave Slope (%): 0-1
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 23.054" N Long: 74° 28' 39.943" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: PEM1
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: Drainage feature with wetland vegetation, about 6 feet wide at the OHWM/edge of wetland vegetation. Culverted - goes under railroad tracks. Standing water. No soil pit taken within drainage, but other observations noted in order to document the feature.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				OBL species <u>90</u> x 1 = <u>90</u>
1. _____	_____	_____	_____	FACW species <u>2</u> x 2 = <u>4</u>
2. _____	_____	_____	_____	FAC species <u>0</u> x 3 = <u>0</u>
3. _____	_____	_____	_____	FACU species <u>3</u> x 4 = <u>12</u>
4. _____	_____	_____	_____	UPL species <u>0</u> x 5 = <u>0</u>
5. _____	_____	_____	_____	Column Totals: <u>95</u> (A) <u>106</u> (B)
_____ = Total Cover				Prevalence Index = B/A = <u>106</u>
Herb Stratum (Plot size: <u>6x10</u>)				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Typha latifolia</u>	<u>90</u>	<u>Yes</u>	<u>OBL</u>	
2. <u>Cyperus eragrostis</u>	<u>2</u>	<u>No</u>	<u>FACW</u>	
3. <u>Helminthotheca echioides</u>	<u>3</u>	<u>No</u>	<u>FACU</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Remarks:
 5% open water.

SOIL

Sampling Point: SP9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) **(LRR C)**
- 1 cm Muck (A9) **(LRR D)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) **(LRR C)**
- 2 cm Muck (A10) **(LRR B)**
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

No soil pit; hydric soil is assumed due to persistent inundation and obligate wetland vegetation.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Presence of Reduced Iron (C4)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)
	<input type="checkbox"/> Water Marks (B1) (Riverine)
	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)
	<input type="checkbox"/> Drift Deposits (B3) (Riverine)
	<input type="checkbox"/> Drainage Patterns (B10)
	<input type="checkbox"/> Dry-Season Water Table (C2)
	<input type="checkbox"/> Crayfish Burrows (C8)
	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
	<input type="checkbox"/> Shallow Aquitard (D3)
	<input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No _____ Depth (inches): 24+
 Water Table Present? Yes _____ No _____ Depth (inches): _____
 Saturation Present? Yes _____ No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Drainage has water present, running east to go under tracks through culvert.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: SMART/San Rafael-Larkspur City/County: San Rafael/Marin County Sampling Date: 1-15-13
 Applicant/Owner: SMART State: CA Sampling Point: SP10
 Investigator(s): K. Bischel and DJ Allison Section, Township, Range: 03, 01N, 06W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): none Slope (%): 3
 Subregion (LRR): Mediterranean California - LRR C Lat: 5° 10' 23.448" N Long: 74° 28' 39.701" W Datum: NAD 83
 Soil Map Unit Name: Urban land-Xerorthents complex, 0 to 9 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Slope down to drainage (SP9). Dominated by a FAC species, but area is not a wetland.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)	
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
_____	_____	_____	_____		
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species <u>86</u> x 3 = <u>258</u> FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: <u>86</u> (A) <u>258</u> (B) Prevalence Index = B/A = <u>3.0</u>	
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
_____ = Total Cover					
Herb Stratum (Plot size: <u>10x10</u>)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <u>Dipsacus fullon</u>	<u>85</u>	<u>Yes</u>	<u>FAC</u>		
2. <u>Geranium sp.</u>	<u>1</u>	<u>No</u>	<u>FAC?</u>		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
_____ = Total Cover					
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status		
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
_____ = Total Cover					
% Bare Ground in Herb Stratum <u>14</u> % Cover of Biotic Crust _____					

Remarks:

SOIL

Sampling Point: SP10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	7.5YR 3/2	79	7.5YR 5/6	1	C	M	Clay loam	
0-10	7.5YR 3/3	19	7.5 YR 5/6	1	C	M	Clay loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) **(LRR C)**
- 1 cm Muck (A9) **(LRR D)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) **(LRR C)**
- 2 cm Muck (A10) **(LRR B)**
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:

Very small amount of redox. Topography indicates that water may flow over this area to reach the adjacent drainage, but that no ponding would occur here.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water Marks (B1) (Riverine)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Sediment Deposits (B2) (Riverine)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Drift Deposits (B3) (Riverine)
<input type="checkbox"/> Water Marks (B1) (Nonriverine)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) (Nonriverine)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) (Nonriverine)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Salt Crust (B11)	
<input type="checkbox"/> Biotic Crust (B12)	
<input type="checkbox"/> Aquatic Invertebrates (B13)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____
 Water Table Present? Yes _____ No _____ Depth (inches): _____
 Saturation Present? Yes _____ No _____ Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

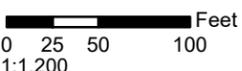
Remarks:

No hydrology indicators.

**ATTACHMENT B:
WETLAND DELINEATION MAPS**



Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00



 4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
Attachment B: Wetland Delineation
Maps (1 of 9)

- | | |
|--------------|--|
| Study Area | Drainage/Traditional Navigable Water (TNW) |
| Drain | Freshwater Marsh (FM) |
| Sample Point | Seasonal Wetland (SW) |
| Ditch | Non-Relatively Permanent Water (Non-RPW) |
| Culvert | |

Directions from San Francisco:
 Take US 101 North.
 Take Exit 452 toward Central San Rafael.
 Merge onto Irwin Street.
 Turn west onto 3rd Street.
 Turn South onto Tamalpais Avenue.
 Arrive at San Rafael Transit Center.
Delineated By K. Bischel, K. Tremain
& D.J. Allison on 1/14-1/15/2014, and 3/20/2014





Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00


 0 25 50 100 Feet
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
Attachment B: Wetland Delineation
Maps (2 of 9)

 Study Area
 Drain
 Sample Point
 Ditch
 Culvert
Potentially Jurisdictional Features
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

Directions from San Francisco:
 Take US 101 North.
 Take Exit 452 toward Central San Rafael.
 Merge onto Irwin Street.
 Turn west onto 3rd Street.
 Turn South onto Tamalpais Avenue.
 Arrive at San Rafael Transit Center.
Delineated By K. Bischel, K. Tremain
& D.J. Allison on 1/14-1/15/2014, and 3/20/2014





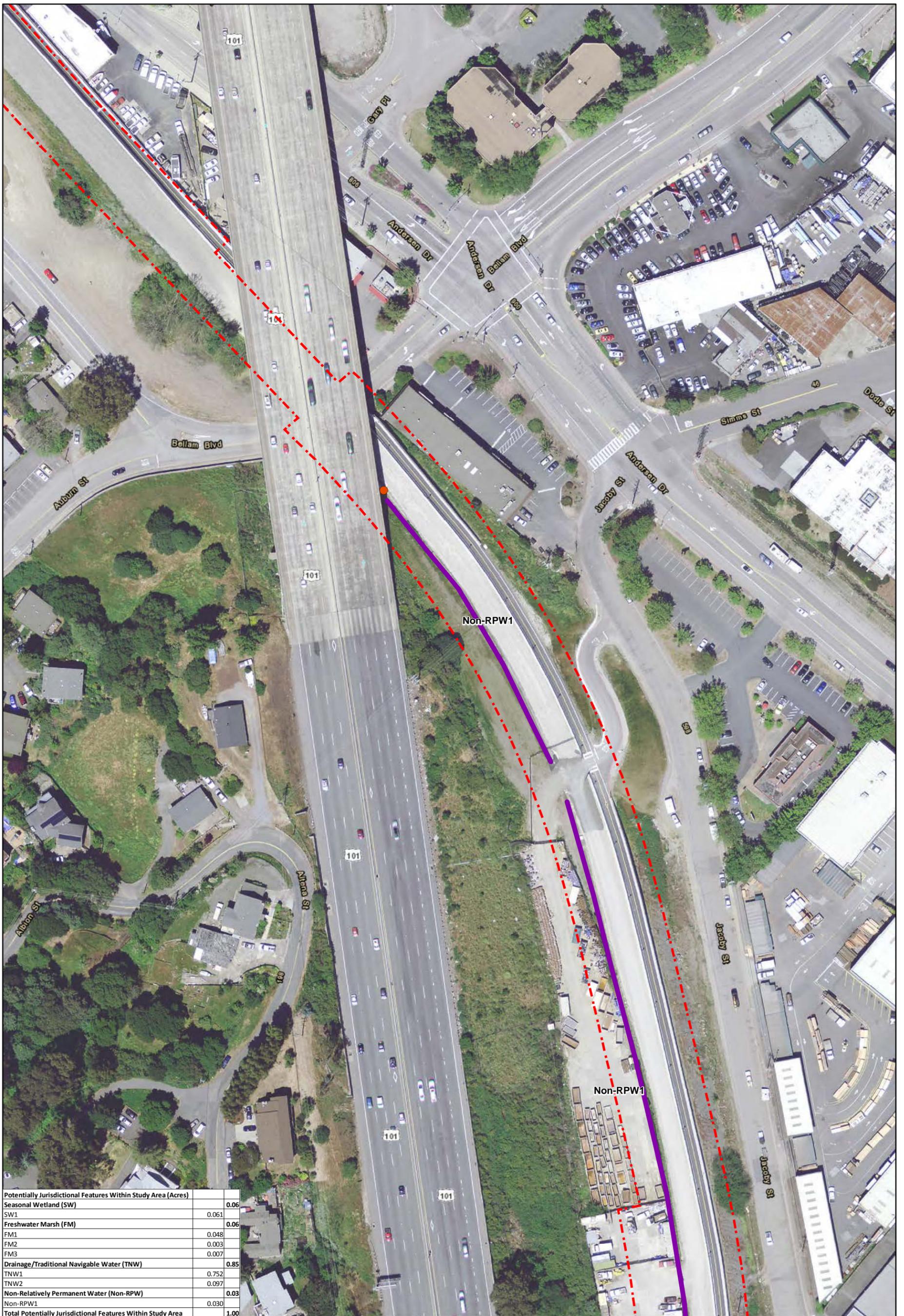
Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (3 of 9)

Study Area
 Drain
 Sample Point
 Ditch
 Culvert
Potentially Jurisdictional Features
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

Directions from San Francisco:
 Take US 101 North.
 Take Exit 452 toward Central San Rafael.
 Merge onto Irwin Street.
 Turn west onto 3rd Street.
 Turn South onto Tamalpais Avenue.
 Arrive at San Rafael Transit Center.
Delineated By K. Bischel, K. Tremain
& D.J. Allison on 1/14-1/15/2014, and 3/20/2014





Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (4 of 9)

Potentially Jurisdictional Features
 Study Area
 Drain
 Sample Point
 Ditch
 Culvert
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

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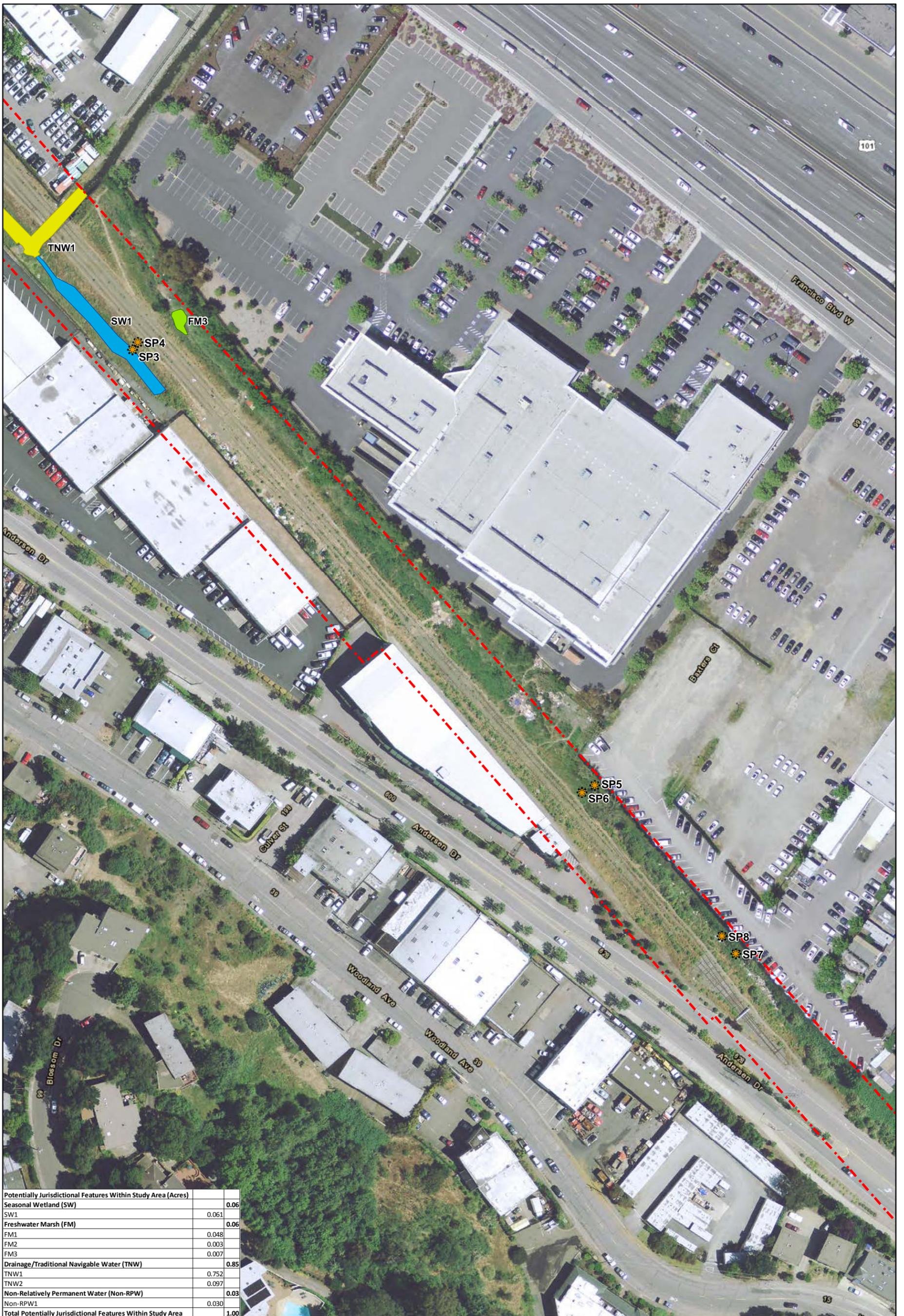
Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (5 of 9)

- Potentially Jurisdictional Features**
- Study Area
 - Drain
 - Sample Point
 - Ditch
 - Culvert
 - Drainage/Traditional Navigable Water (TNW)
 - Freshwater Marsh (FM)
 - Seasonal Wetland (SW)
 - Non-Relatively Permanent Water (Non-RPW)

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Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (6 of 9)

- Potentially Jurisdictional Features**
- Study Area
 - Drain
 - Sample Point
 - Ditch
 - Culvert
 - Drainage/Traditional Navigable Water (TNW)
 - Freshwater Marsh (FM)
 - Seasonal Wetland (SW)
 - Non-Relatively Permanent Water (Non-RPW)

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Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

0 25 50 100 Feet

 1:1,200

 1 in = 100 ft

SMART San Rafael-Larkspur

Attachment B: Wetland Delineation

Maps (7 of 9)

Potentially Jurisdictional Features

- Study Area
- Drain
- Sample Point
- Ditch
- Culvert
- Drainage/Traditional Navigable Water (TNW)
- Freshwater Marsh (FM)
- Seasonal Wetland (SW)
- Non-Relatively Permanent Water (Non-RPW)

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Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
FM3	0.007
Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00

4/15/2014
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (8 of 9)

Potentially Jurisdictional Features
 Study Area
 Drain
 Sample Point
 Ditch
 Culvert
 Drainage/Traditional Navigable Water (TNW)
 Freshwater Marsh (FM)
 Seasonal Wetland (SW)
 Non-Relatively Permanent Water (Non-RPW)

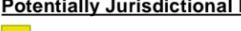
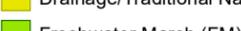
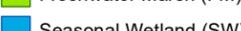
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Potentially Jurisdictional Features Within Study Area (Acres)	
Seasonal Wetland (SW)	0.06
SW1	0.061
Freshwater Marsh (FM)	0.06
FM1	0.048
FM2	0.003
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Drainage/Traditional Navigable Water (TNW)	0.85
TNW1	0.752
TNW2	0.097
Non-Relatively Permanent Water (Non-RPW)	0.03
Non-RPW1	0.030
Total Potentially Jurisdictional Features Within Study Area	1.00


 0 25 50 100 Feet
 1:1,200
 1 in = 100 ft
SMART San Rafael-Larkspur
 Attachment B: Wetland Delineation
 Maps (9 of 9)

- Potentially Jurisdictional Features**
-  Study Area
 -  Drain
 -  Sample Point
 -  Ditch
 -  Culvert
 -  Drainage/Traditional Navigable Water (TNW)
 -  Freshwater Marsh (FM)
 -  Seasonal Wetland (SW)
 -  Non-Relatively Permanent Water (Non-RPW)

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**ATTACHMENT C:
SITE PHOTOGRAPHS**



Photograph 1: A general view of the study area at the southern terminus in Larkspur. This photograph was taken near the southern terminus facing north towards the study area. The railroad right-of-way has been graveled and the historic rails are absent.



Photograph 2: A general view of the study area near Sample Point 6. The abandoned railroad tracks are shown;

the tracks on the left represent the centerline of the railroad right-of-way.



Photograph 3: Sample Point 1 in a ditch west of the railroad right-of-way.



Photograph 4: Freshwater Marsh (FM) 1 and Sample Point 2 at the northern end of the tunnel, in the drainage ditch just west of the railroad right-of-way, facing south.



Photograph 5: Seasonal Wetland (SW) 1 and Sample Point 3 just west of the railroad right-of-way.



Photograph 6: A general view of upland habitat on the railway berm (on the left side in the photo) near Sample Point 4.



Photograph 7: Sample Point 5, a location that was determined not to be a wetland.



Photograph 8: Sample Point 7, located in a low area just east of the railroad berm in an area that was determined not to be a wetland.



Photograph 9: Sample Point 8, located in an upland area.



Photograph 10: FM2 and Sample Point 9, showing the drainage culvert in the background that runs beneath the railroad berm.



Photograph 11: Sample Point 10, located in an upland area uphill from FM2.



Photograph 12: FM3, a very disturbed area east of the railroad right-of-way (this area was not sampled because of health and safety concerns).



Photograph 13: San Rafael Creek—TNW2—just upstream from the SMART rail crossing.



Photograph 14: An unnamed channel—TNW1—that parallels and then crosses the study area.



Photograph 15: A ditch—Non-RPW1—that connects FM1 to the storm drain system, which eventually discharges to San Rafael Bay.

Biological Assessment

Sonoma-Marín Area Rail Transit
Downtown San Rafael to Larkspur Extension
Marin County, California



Prepared for:

Sonoma-Marín Area Rail Transit (SMART) District
5401 Old Redwood Highway, Suite 200
Petaluma, CA 94954

Federal Transit Administration
201 Mission Street, Suite 1650
San Francisco, CA 94105-1839

Prepared by:

AECOM

November 2014

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ACRONYMS AND OTHER ABBREVIATIONS

BA	Biological Assessment
BMP	Best Management Practices
CDFW	California Department of Fish and Wildlife
CFR	Code of Federal Regulations
Councils	regional fisheries management councils
dB	decibel
DMU	diesel multiple unit
DPS	distinct population segment
EFH	essential fish habitat
ESA	Endangered Species Act
FMP	Fisheries Management Plan
FTA	Federal Transit Administration
g	gram
GGBHTD or Golden Gate	Golden Gate Bridge, Highway, and Transportation District
IOS	Initial Operating Segment
LOS	level of service
MSA	Magnuson Stevens Fishery Conservation and Management Act
NMFS	National Marine Fisheries Service
NWP	Northwestern Pacific Railroad
PCE	Primary Constituent Element
PFMC	Pacific Fisheries Management Council
ppt	parts per thousand
Proposed Action	SMART Downtown San Rafael to Larkspur Extension
ROW	right-of way
SEL	sound exposure level
SMART	Sonoma-Marin Area Rail Transit
SWPPP	stormwater pollution prevention plan
TAM	Transportation Authority of Marin
USC	United States Code
USFWS	U.S. Fish and Wildlife Service

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EXECUTIVE SUMMARY

The Sonoma-Marín Area Rail Transit (SMART) District has applied with the Federal Transit Administration (FTA) for federal funding to assist with the implementation of the extension of passenger rail service from Downtown San Rafael to Larkspur. SMART is currently constructing the locally-funded SMART project Initial Operating Segment (IOS), which will eventually operate approximately 43 miles of passenger rail service from Downtown San Rafael northwards to Airport Boulevard in Santa Rosa, Sonoma County, California. The Proposed Action would utilize federal funds to extend SMART's locally-funded project approximately two miles southwards from Downtown San Rafael to Larkspur.

The Proposed Action involves rehabilitation of an existing but inactive railroad corridor, with improvements to the trackbed and grade crossings, replacement of existing trestles, installation of a new signal system, and construction of a new passenger station at Larkspur. The trestles crossing San Rafael Creek and an unnamed drainage ditch would be replaced.

A background review and coordination with the National Marine Fisheries Service and the U.S. Fish and Wildlife Service determined that these waterways are located within designated critical habitat for Southern Distinct Population Segment North American Green Sturgeon. In addition, Essential Fish Habitat (EFH) for Pacific Coast Groundfish and Coastal Pelagics is located approximately 1.5 miles downstream from the proposed project's Action Area at the confluence of San Rafael Creek/San Rafael Canal with San Rafael Bay/San Pablo Bay.

This Biological Assessment (BA) describes potential effects from construction activities and project implementation to these species and habitats. Based on this BA, fish habitat at both the San Rafael Creek trestle location and within the unnamed drainage ditch is very poor. As such, focal species are unlikely to occur within the project's Action Area, and the potential for direct effects to these species and habitats is very low. However, unless properly managed, construction activities could create temporary effects to critical habitat and to downstream listed fish species and EFH. These potential temporary effects could include increased sedimentation and turbidity, potential contamination from spilled fuel and lubricants used during construction, and noise and vibration from construction activity. Avoidance and minimization measures would be implemented to effectively minimize these potential adverse effects. In the longer term, beneficial effects to focal species and habitats would be realized through removal of approximately 36 creosote treated wooden trestle piles.

Based on design criteria and other information contained in this BA, the Proposed Action may affect but is not likely to adversely affect focal species and habitat. Several measures would be in place to eliminate or reduce effects including: 1) construction protocols designed to protect aquatic habitat, 2) avoidance and minimization measures to lessen or eliminate potential effects, and 3) measures designed to stabilize disturbed areas following construction activities.

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1 INTRODUCTION

1.1 PURPOSE OF THIS BIOLOGICAL ASSESSMENT

This Biological Assessment (BA) addresses the Federal Transit Administration’s (FTA) and Sonoma-Marín Area Rail Transit (SMART) District’s Section 7 consultation requirements with the National Marine Fisheries Service (NMFS) under Section 7 of the Endangered Species Act (ESA), and for Essential Fish Habitat (EFH) under the Magnuson-Stevens Fishery Conservation and Management Act (MSA), for the SMART Larkspur Extension (Proposed Action).

The BA describes the potential effects of the Proposed Action on federally listed fish species managed by NMFS, their critical habitat, and EFH. This BA has been prepared in accordance with legal requirements set forth under Section 7 of the ESA (Title 16, United States Code [USC], Section 1536[c]) and the MSA (Public Law 104-297). The Proposed Action would be partially funded by the FTA. Therefore, FTA is the federal lead agency for the Proposed Action under Section 7 of the ESA.

1.2 THREATENED AND ENDANGERED SPECIES

Preparation of this BA included review of a variety of sources to identify threatened and endangered species, designated critical habitat, and EFH that may be present in the vicinity of the project Action Area. Table 1 presents a complete list of species from a database search and species lists provided by NMFS and the U.S. Fish and Wildlife Service (USFWS) of species with potential to occur in the local region around the Action Area. The list also includes a brief evaluation of the likelihood of occurrence of those species within the Action Area itself based upon the presence or absence of suitable habitat. Based on both habitat requirements and direction from NMFS, the following threatened or endangered species were determined to have potential to occur in the vicinity of project Action Area:

- ▶ Distinct Population Segment of North American Green Sturgeon

Table 1. Determination of Federally Listed Species with Potential to Occur in the Vicinity of the Action Area				
Common Name	Scientific Name	Status	Preferred Habitat	Likelihood of Occurring in the Action Area
Plants				
Marin dwarf-flax	<i>Hesperolinon congestum</i>	FT	Serpentinite soils in chaparral and valley and foothill grassland. Blooming period April through July. Elevation range 5 to 370 meters.	No potential to occur. Action Area does not contain suitable habitat.
Santa Cruz tarplant	<i>Holocarpha macradenia</i>	FT	Clay or sandy soils in coastal prairie, coastal scrub, and valley and foothill grassland. Blooming period June through October. Elevation range 10 to 220 meters.	No potential to occur. Action Area does not contain suitable habitat.
White-rayed	<i>Pentachaeta</i>	FE	Cismontane woodland and	No potential to occur. Action

Table 1. Determination of Federally Listed Species with Potential to Occur in the Vicinity of the Action Area				
Common Name	Scientific Name	Status	Preferred Habitat	Likelihood of Occurring in the Action Area
pentachaeta	<i>bellidiflora</i>		serpentine soils in valley and foothill grassland. Blooming period March through May. Elevation range 35 to 620 meters.	Area does not contain suitable habitat.
Showy Indian clover	<i>Trifolium amoenum</i>	FE	Coastal bluff scrub, valley and foothill grasslands with serpentine soils. Blooming period April through June. Elevation range 5 to 415 meters.	No potential to occur. Action Area does not contain suitable habitat.
Invertebrates				
Black abalone	<i>Haliotes cracherodii</i>	FE	Rocky surfaces in intertidal and subtidal areas with moderate to high surf.	No potential to occur. Action Area does not contain suitable coastal marine habitat.
White abalone	<i>Haliotes sorenseni</i>	FE	Rock or boulder habitat with interspersed sand channels. Most abundant in depths of 25 to 30 meters.	No potential to occur. Action Area does not contain suitable coastal marine habitat.
Mission blue butterfly	<i>Icaricia icarioides missionensis</i>	FE	Coastal scrub. Associated with perennial lupine host plants (<i>Lupinus albifrons</i> , <i>L. variicolor</i> , and <i>L. formosus</i>).	No potential to occur. Action Area does not contain suitable habitat.
Myrtle's silverspot butterfly	<i>Speyeria zerene myrtleae</i>	FE	Coastal dunes, scrub, and grassland; associated with host plant <i>Viola adunca</i> .	No potential to occur. Action Area does not contain suitable habitat.
Fish				
Green sturgeon	<i>Acipenser medirostris</i>	FT	Rivers and estuaries.	Unlikely to occur in Action Area, but known to occur downstream of Action Area in San Francisco Bay.
Tidewater goby	<i>Eucyclogobius newberryi</i>	FE	Upper end of lagoons in salinities less than 10 ppt.	No potential to occur. Species is not known to occur in San Francisco Bay.
Delta smelt	<i>Hypomesus transpacificus</i>	FT	Sacramento-San Joaquin Delta, Suisun Bay, San Pablo Bay, river channels and sloughs. Rarely found in salinities greater than 10 to 12 ppt, or areas of over 1/3 seawater.	No potential to occur. Action area does not contain suitable water salinities.
Coho salmon	<i>Oncorhynchus kisutch</i>	FE	Lorenzo River; loose, silt-free, gravel beds for spawning, cover, cool water, sufficient dissolved oxygen.	No potential to occur. Species occurs along the California coast but is no longer present in San Francisco Bay.
Steelhead (central valley)	<i>Oncorhynchus mykiss</i>	FT	Sacramento and San Joaquin rivers and their tributaries.	No potential to occur in Action Area, but known to occur downstream of Action Area in

Table 1. Determination of Federally Listed Species with Potential to Occur in the Vicinity of the Action Area				
Common Name	Scientific Name	Status	Preferred Habitat	Likelihood of Occurring in the Action Area
San Francisco Bay.				
Steelhead (central California coast)	<i>Oncorhynchus mykiss</i>	FT	Delta, Suisun Bay, San Francisco Bay west to the Golden Gate Bridge, and coastal areas designated as critical habitat.	No potential to occur in Action Area, but known to occur downstream of Action Area in San Francisco Bay.
Chinook salmon	<i>Oncorhynchus tshawytscha</i>	FT	Central Valley rivers and their tributaries; west to the Pacific Ocean	No potential to occur in Action Area, but known to occur downstream of Action Area in San Francisco Bay.
Amphibians				
California red-legged frog	<i>Rana draytonii</i>	FT	Lowlands and foothills in or near pools of deep water with dense, shrubby, or emergent riparian vegetation.	No potential to occur. Action Area does not contain suitable habitat.
Birds				
Marbled murrelet	<i>Brachyramphus marmoratus</i>	FT	Mature forests near coastlines for nesting; bays, sounds, saltwater passageways	No potential to occur. Action Area does not contain suitable habitat.
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	FT	Sandy marine and estuarine shores. May nest on salt pond levees.	No potential to occur. Action Area does not contain suitable nesting or foraging habitat.
Short-tailed albatross	<i>Diomedea albatrus</i>	FE	Sloping, grassy terraces for nesting; ocean surface for foraging.	No potential to occur. Action Area does not contain suitable nesting or foraging habitat.
California brown pelican	<i>Pelecanus occidentalis californicus</i>	FE	Isolated islands and rocks for nesting; near shore and open ocean for foraging.	No potential to occur. Action Area does not contain suitable nesting or foraging habitat.
California clapper rail	<i>Rallus longirostris obsoletus</i>	FE	Coastal wetlands and brackish areas.	No potential to occur. Action Area does not contain suitable nesting or foraging habitat.
California least tern	<i>Sternula antillarum browni</i>	FE	Marine and estuarine shores, abandoned salt ponds. Feeds in shallow estuarine waters.	No potential to occur. Action Area does not contain suitable nesting or foraging habitat.
Northern spotted owl	<i>Strix occidentalis caurina</i>	FT	Dense forest areas for nesting and foraging.	No potential to occur. Action Area does not contain suitable habitat.
Mammals				
Guadalupe fur seal	<i>Arctocephalus townsendi</i>	FT	Tropical waters of southern California and Mexico; rocky habitats and caves.	No potential to occur. Action Area does not contain suitable habitat.
Sei whale	<i>Balaenoptera borealis</i>	FE	Deep offshore waters	No potential to occur. Action Area does not contain suitable habitat.

Table 1. Determination of Federally Listed Species with Potential to Occur in the Vicinity of the Action Area				
Common Name	Scientific Name	Status	Preferred Habitat	Likelihood of Occurring in the Action Area
Blue whale	<i>Balaenoptera musculus</i>	FE	Deep offshore waters	No potential to occur. Action Area does not contain suitable habitat.
Finback whale	<i>Balaenoptera physalus</i>	FE	Deep offshore waters	No potential to occur. Action Area does not contain suitable habitat.
Right whale	<i>Eubalaena glacialis</i>	FE	Deep offshore waters	No potential to occur. Action Area does not contain suitable habitat.
Sperm whale	<i>Physeter catodon</i>	FE	Deep offshore waters	No potential to occur. Action Area does not contain suitable habitat.
Salt marsh harvest mouse	<i>Reithrodontomys raviventris</i>	FE	Found only in saline emergent wetlands in San Francisco Bay and its tributaries.	No potential to occur. Action Area does not contain suitable habitat.
Notes: FT = Federal Threatened; FE = Federal Endangered Source: NMFS, USFWS				

1.3 CRITICAL HABITAT

Based upon information received from NMFS, the Action Area falls within the following designated critical habitat area:

- ▶ Designated Critical Habitat for Distinct Population Segment of North American Green Sturgeon

1.4 ESSENTIAL FISH HABITAT

Based upon information received from NMFS, the Action Area falls within the following designated EFH area:

- ▶ Pacific Groundfish EFH
- ▶ Coastal Pelagic fish species EFH

1.5 AGENCY COORDINATION

The following list provides a record of consultation and coordination with NMFS, the U.S. Fish and Wildlife Service (USFWS), and other applicable Federal and State agencies concerning the Proposed Action.

1.5.1 NATIONAL MARINE FISHERIES SERVICE (NMFS)

- ▶ On April 10, 2013, AECOM contacted the NMFS Santa Rosa office to make initial contact and gain technical assistance for the Proposed Action.

- ▶ On April 11, 2013, AECOM received technical assistance from Dan Logan, NMFS fisheries biologist in the Santa Rosa office, via telephone conversation. NMFS recommended that a letter be sent from the lead agency requesting initiation of informal NMFS consultation and to delegate SMART the authority to work directly with NMFS regarding the Proposed Action.
- ▶ On April 11, 2013, AECOM sent an email to Dan Logan to request an official list of federally listed species managed by NMFS that may occur in the project’s Action Area.
- ▶ On April 14, 2013, Dan Logan sent AECOM an official NMFS species list via email (see Appendix B), which advised that the following species and habitats be considered: 1) Distinct Population Segment of North American Green Sturgeon; 2) Critical Habitat Distinct Population Segment of North American Green Sturgeon; and 3) Essential Fish Habitat (EFH) for Pacific Groundfish and Coastal Pelagic fish species.
- ▶ NMFS was invited to attend an April 1, 2014 technical assistance meeting for the Proposed Action with regulatory agency representatives. On February 27, 2014, NMFS Supervisory Biologist, Gary Stern, communicated by email (see Appendix B) to SMART’s Chief Engineer, Bill Gamlen, that NMFS representatives would not be attending the meeting because “San Rafael Creek is a highly modified channel with little fish habitat value. There are no runs of salmonids in this creek. Thus, we are not concerned with the culvert design for a ditch that is tributary to San Rafael Creek.”

1.5.2 U.S. FISH AND WILDLIFE SERVICE (USFWS)

The USFWS was contacted to determine whether federally listed threatened or endangered species under its jurisdiction would be likely to occur in the Proposed Action area. The USFWS response letter is provided in Appendix B, and includes a list of federal-listed species under the management of the USFWS that have a potential to occur in the project vicinity. A review of the list provided by USFWS and a subsequent habitat assessment found that the Proposed Action area does not contain suitable habitat for any USFWS-managed listed species. See Table 1 for more information on this determination. Since suitable habitat for USFWS-managed species is not present in the project’s Action Area, further consultation with USFWS is not necessary.

1.5.3 U.S. ARMY CORPS OF ENGINEERS (USACE)

A technical assistance meeting with the U.S. Army Corps of Engineers (USACE) and other regulatory agency representatives was hosted by SMART on April 1, 2014 in San Rafael, California. The USACE was represented by Bryan Matsumoto, San Francisco District.

At the meeting SMART introduced the regulatory agencies to the Proposed Action and solicited feedback on design concepts that had the potential to impact waters of the United States and waters of the State. SMART toured the Proposed Action alignment with the agency representatives, with particular attention paid to the identified jurisdictional areas at San Rafael Creek and the unnamed drainage ditch.

The USACE indicated that, as the waterways in the Proposed Action area are tidal, they are subject to Section 10 of the Rivers and Harbors Act (33 U.S.C. 401 *et seq.*); therefore, any structures proposed over a tidal waterway would require a Section 10 permit. Any impacts (e.g., fill) below the ordinary high water mark would require a Section 404 permit, most likely a Nationwide Permit 14 for linear transportation projects. The USACE also indicated that they

would not issue a Section 404 permit for a project that is not the Least Environmentally Damaging Practicable Alternative (LEDPA).

1.5.4 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE (CDFW)

A technical assistance meeting with the California Department of Fish and Wildlife (CDFW) and other regulatory agency representatives was hosted by SMART on April 1, 2014 in San Rafael, California. CDFW was represented by Tim Dodson of the Bay Delta Region (Region 3) of CDFW.

CDFW indicated that any work in the project area that would impact channels (bed or bank) would require a Streambed Alteration Agreement from CDFW.

1.5.5 REGIONAL WATER QUALITY CONTROL BOARD (RWQCB)

A technical assistance meeting with the Regional Water Quality Control Board (RWQCB) and other regulatory agency representatives was hosted by SMART on April 1, 2014 in San Rafael, California. The RWQCB was represented by Paul Modrell of the San Francisco Bay RWQCB.

At the meeting SMART introduced the regulatory agencies to the Proposed Action and solicited feedback on design concepts that had the potential to impact waters of the United States and waters of the State. SMART toured the Proposed Action alignment with the agency representatives, with particular attention paid to the identified jurisdictional areas at San Rafael Creek and the unnamed drainage ditch.

The RWQCB indicated that impacts to waters of the State would require a Section 401 Water Quality Certification in conjunction with a Section 404 permit from the USACE. The permit application must include channel crossing designs to accommodate a 100-year flood capacity and sea level rise or documentation identifying engineering constraints on accommodating such flood capacity.

The RWQCB also indicated that they cannot issue a Water Quality Certification for a project that is not the LEDPA. The permit application therefore must include a practicable alternatives analysis that demonstrates the project is the LEDPA.

2 SPECIES AND HABITATS CONSIDERED IN THIS BIOLOGICAL ASSESSMENT

Based upon the species and habitat evaluations presented in Table 1, together with direction received from NMFS, the species and habitats analyzed in this BA are as follows:

- ▶ North American green sturgeon: southern distinct population segment (DPS) (*Acipenser medirostris*) (FT);
- ▶ North American green sturgeon: southern DPS critical habitat;
- ▶ Pacific groundfish EFH; and
- ▶ Coastal pelagics EFH.

These species and habitats are managed by NMFS and are protected under the ESA, or is EFH protected under the Magnuson-Stevens Fishery Conservation and Management Act.

3 DESCRIPTION OF THE PROPOSED ACTION

This section provides a description of the Proposed Action elements, construction activities, and schedule.

3.1 PROJECT BACKGROUND

The Proposed Action that is evaluated in this BA is the extension of passenger rail service from Downtown San Rafael southwards to Larkspur, in Marin County, California. The project proponent is the Sonoma-Marín Area Rail Transit (SMART) District. SMART has applied with the Federal Transit Administration (FTA) for federal funding to assist with the implementation of the Proposed Action. SMART is currently constructing the locally-funded SMART project Initial Operating Segment (IOS), which will eventually operate approximately 43 miles of passenger rail service from Downtown San Rafael northwards to Airport Boulevard in Santa Rosa, Sonoma County, California. The Proposed Action would utilize federal funds to extend SMART's locally-funded project approximately two miles southwards from Downtown San Rafael to Larkspur.

3.2 PROJECT DESCRIPTION

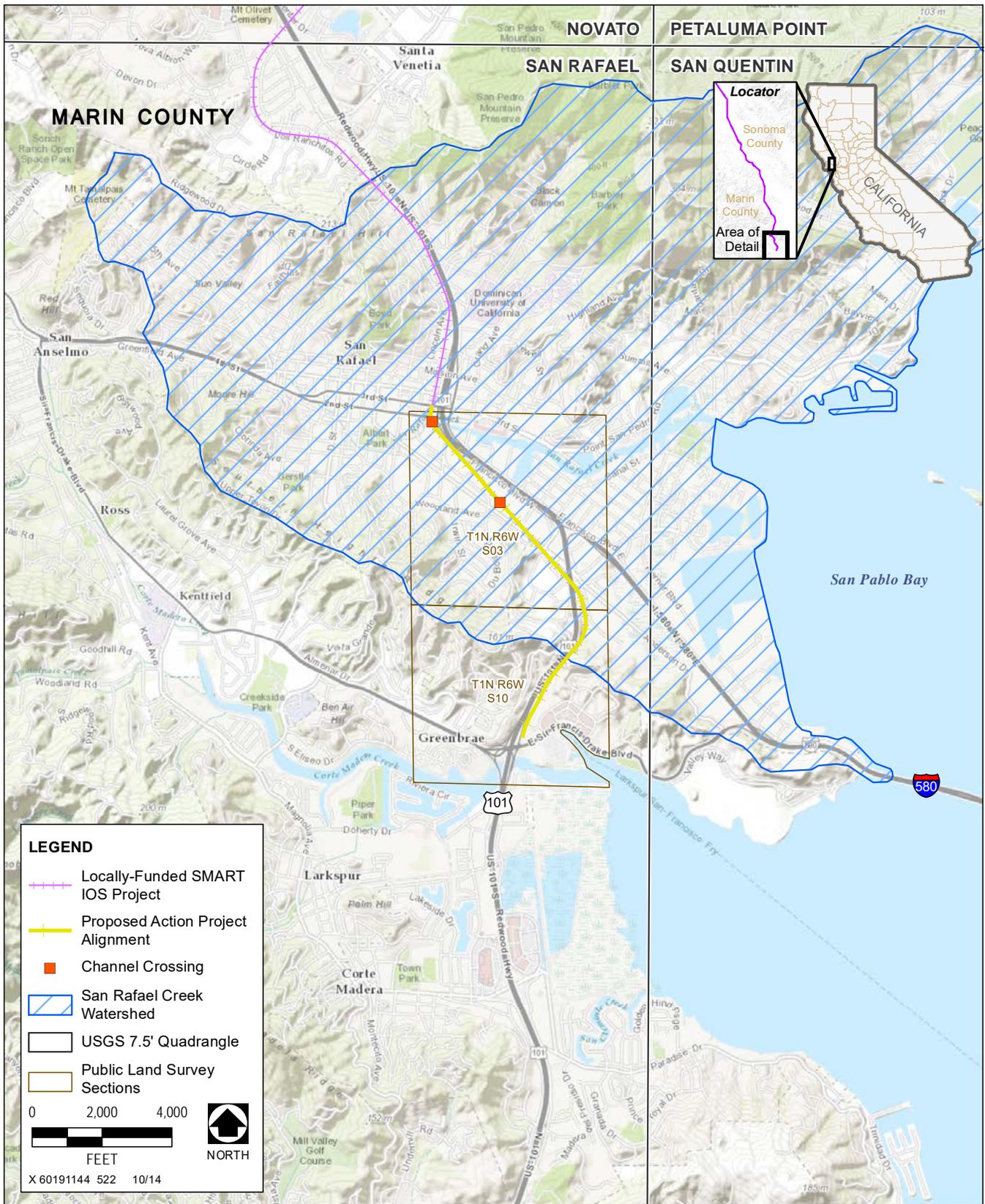
3.2.1 PROJECT LOCATION

Figure 1 shows a regional overview of the area in which the Proposed Action would be located. Figure 2 shows the Proposed Action's project alignment, and also points out several features along the proposed rail alignment. The Proposed Action would construct approximately 2 miles of passenger rail service from the SMART Downtown San Rafael Station to the SMART Larkspur Station. The Downtown San Rafael Station is currently under construction, and will serve as the southern terminus of the locally-funded SMART project IOS. The IOS began construction in 2012, and it is expected to be operational in 2016.

As with the locally-funded SMART project IOS, the Proposed Action would use the existing Northwest Pacific (NWP) Railroad rail corridor, which has been acquired by SMART. The NWP Railroad historically provided freight and limited passenger rail service from Marin County to points northward. The stretch of the rail corridor proposed for use under the Proposed Action still is in place, but it has been non-operational for several decades. The ROW remains intact and thus would require only limited improvements to be converted from its existing condition as an inactive freight railway to use as an active passenger railway.

The Proposed Action's northern point-of-beginning would commence at the northern curb of Third Street in Downtown San Rafael, immediately south of the Downtown San Rafael Station site. The Proposed Action's southern terminus would be in Larkspur at the site of the planned SMART Larkspur Station, just north of Sir Francis Drake Boulevard. Construction of the Larkspur Station would be included as part of the Proposed Action. The entirety of the Proposed Action's alignment is in Marin County and falls within the San Rafael 7.5' USGS quadrangle. The Proposed Action is defined with the following legal description and coordinates:

- ▶ Township 1 North, Range 6 West, Sections 3 and 10
- ▶ Northern point-of-beginning 37°58'17.6"N, 122°31'22.1"W
- ▶ Southern terminus 37°56'43.5"N, 122°30'49.4"W



Source: SMART 2014, AECOM 2014

Figure 1. Project Area location for the Proposed Action



Source: SMART 2014, AECOM 2014

Figure 2. Project alignment for the Proposed Action

The Proposed Action alignment crosses two small watercourses: San Rafael Creek (sometimes referred to locally as Mahon Creek) and an unnamed drainage ditch. The two project alignment watercourse crossings are located on the San Rafael 7.5' USGS quadrangle and are characterized by the following legal description and coordinates:

- ▶ Township 1 North, Range 6 West, Section 3
- ▶ San Rafael Creek 37°58'13.03"N, 122°31'22.1"W
- ▶ Unnamed drainage ditch 37°57'50.4"N, 122°30'57.1"W

3.2.2 PROJECT PURPOSE

The Proposed Action would provide an important transit connection between planned SMART commuter rail service and the existing Larkspur Ferry Terminal, which is located approximately 1,500 feet from SMART's proposed Larkspur Station. The Larkspur Ferry Terminal, operated by the Golden Gate Bridge, Highway, and Transportation District (GGBHTD or Golden Gate), provides ferry service from Larkspur to Downtown San Francisco where travelers have access to Bay Area Rapid Transit (BART), San Francisco Municipal Transportation Agency (SFMTA), Caltrain, Alameda-Contra Costa Transit, Golden Gate Transit, Amtrak, and Greyhound. Providing a connection close to the Larkspur Ferry Terminal would thus provide riders with access to the entire Bay Area transit network.

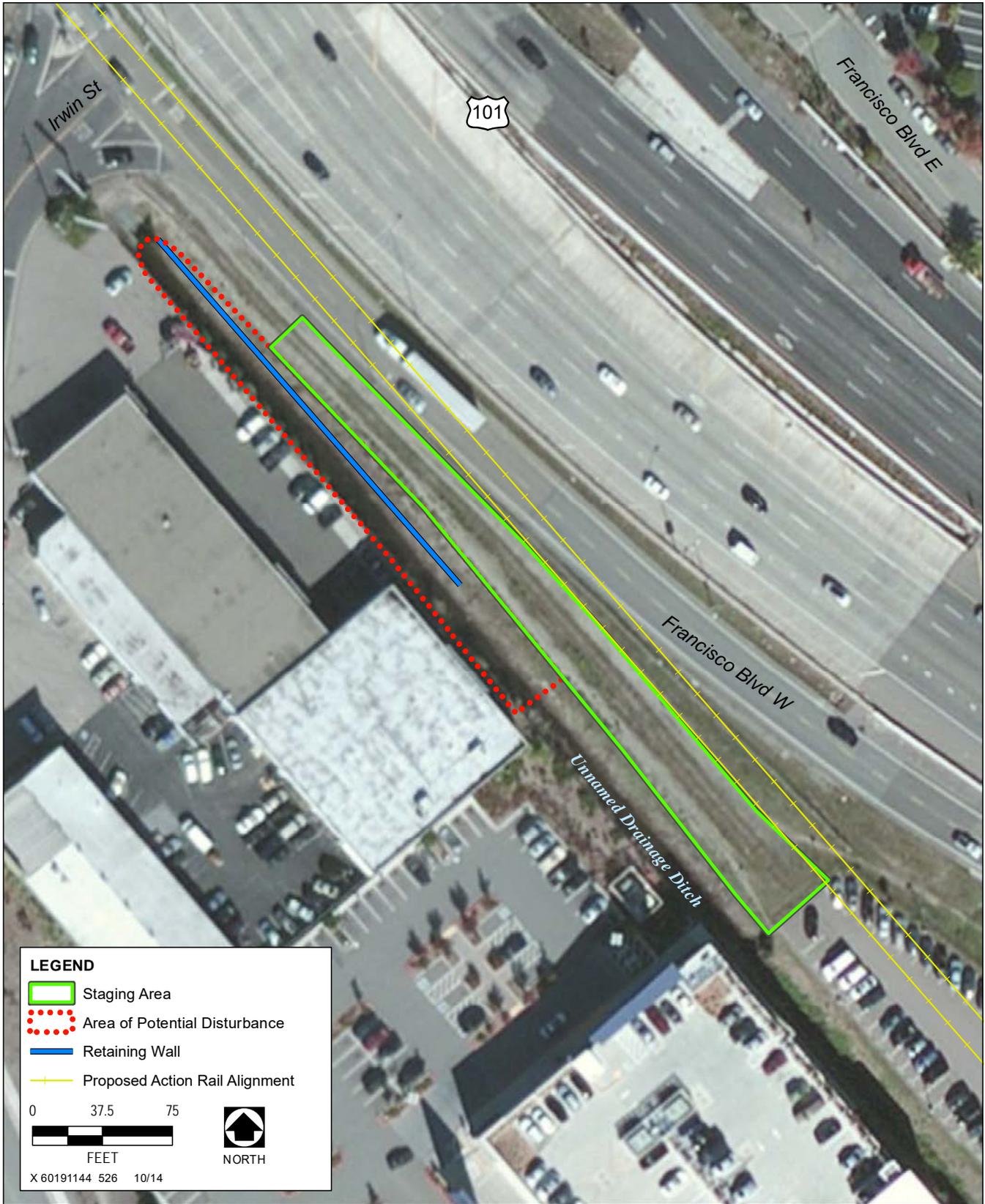
3.2.3 PROJECT ACTIVITIES

Construction activities associated with the Proposed Action would involve rehabilitation of the existing track, improvements to the trackbed and grade crossings, installation of a retaining wall, replacement of existing trestles, installation of a new signal system, and construction of a new passenger station at Larkspur. Of these principal project elements, only the installation of the retaining wall and the trestle replacements could affect focal species and habitats. These elements are described in detail below. The other project elements would not affect focal species and habitats because of the distance between construction activities and watercourses.

Construction activities along the alignment would involve the use of heavy equipment for excavation, trenching, grading for roadway preparation, and soil compaction. Equipment to be used during construction could include excavators, mini-excavators, tamping equipment, cranes, pile drivers, a small bulldozer, and dump trucks. Some of the rail-specific equipment would be trucked to the site, placed upon rails, and then moved down the tracks as construction proceeds.

RETAINING WALL INSTALLATION

A portion of the alignment near Irwin Street is constrained on its eastern side by U.S. Highway 101 and West Francisco Boulevard and on its western side by an unnamed drainage ditch. Figure 2 shows the location of this drainage ditch within the larger Action Area, as well as the ditch's location relative to San Rafael Bay/San Pablo Bay. The ditch drains into a screened catchment structure that passes beneath Irwin Street. Approximately 225 feet of the rail alignment along this segment is not wide enough to accommodate all of the project elements without encroaching into the unnamed drainage ditch. Therefore, a sheet pile retaining wall approximately 225 feet in length would be installed just south of Irwin Street midway down the eastern bank of the ditch using a vibratory hammer.



Source: SMART 2014, AECOM 2014

Figure 3. Construction equipment and materials staging area for the unnamed drainage ditch sheet pile retaining wall.

This would provide several additional feet of space in which to position the SMART double track alignment, the two lanes of West Francisco Boulevard, and associated shoulder and clearance space. Figure 3 shows a detailed overview of this location and the construction footprint, along with the proposed staging area location. Appendix C contains plan views of the proposed alignment, with the retaining wall location indicated. Appendix C also contains a cross section of the proposed rail alignment within this segment.

TRESTLE REPLACEMENTS

Two trestles that cross water courses would need to be replaced as part of the project. These trestles were installed as part of the former NWP operation. Both trestles have been out of use for several decades and are no longer structurally sound.

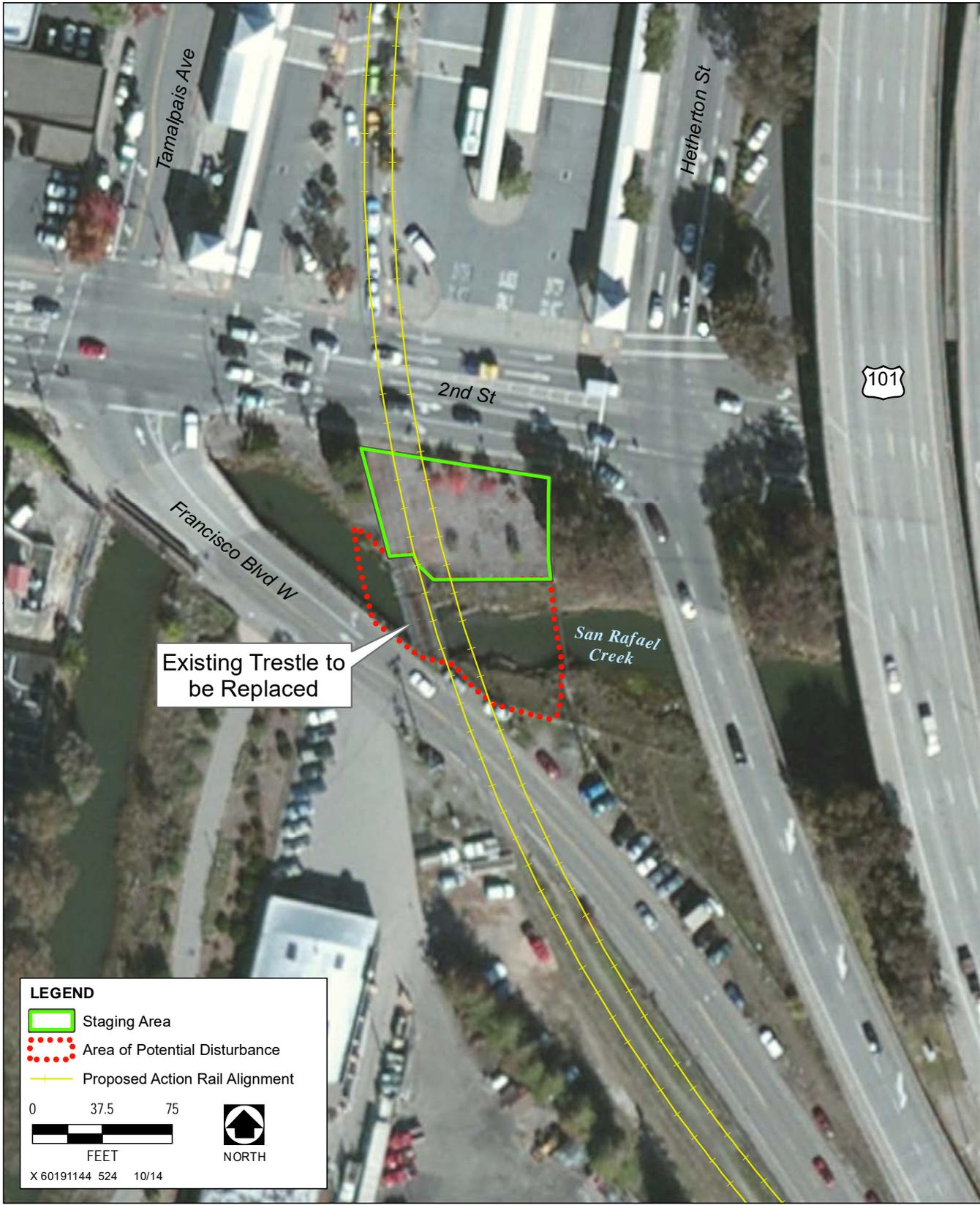
San Rafael Creek Trestle

A derelict railroad trestle crosses San Rafael Creek immediately south of Second Street. The trestle location is about 1.5 miles upstream from where San Rafael Creek/San Rafael Canal enters San Rafael/San Pablo Bay. Figure 2 shows the location of this feature within the larger Action Area, as well as the feature's location relative to San Rafael Bay/San Pablo Bay. The trestle is in poor condition and would require complete replacement.

Figure 4 shows a detailed overview of this location, as well as the planned construction footprint and proposed staging area for the trestle's replacement. The existing trestle is approximately 30 feet in length. Appendix C contains plan views of the proposed alignment, with the San Rafael Creek trestle location indicated. The alignment would be shifted slightly downstream along this segment and the existing trestle is outside of the planned alignment. Double tracking is also proposed along this portion of the alignment, and the existing trestle is only single track. Based upon design and construction experience at similar crossings along the IOS, SMART has determined that this crossing could be constructed in one span, and that no piers would be needed inside the streambed. Existing abutments and retaining features located along both banks would remain in place during construction. Soil on the land side of these existing features would be excavated and new abutments would be constructed in the resultant void. The new bridge and trackwork would be laid across the stream atop the newly constructed abutments. The former abutments and retaining features would either be removed or left in place following construction activities. Constructing the new crossing in this manner would avoid in-water construction activities.

A few piles would likely need to be driven into the top of the stream bank to secure the new abutments and to carry bridge and train loads. In that case, cranes and associated equipment would be positioned adjacent to the stream bank on the land side and piles driven using vibratory hammers. Piles are usually driven to a depth of 50 to 80 feet depending upon subsurface conditions and design requirements.

The existing trestle would be removed. Approximately 26 creosote treated wooden trestle piles, each approximately 14" diameter, would be cut three feet below the streambed and removed in this waterway. Small cofferdams would be constructed around each pile slated for removal. The cofferdams would be small enough not to disrupt the natural flow of the water course or normal behaviors by fish. All creosote-treated materials associated with the old trestle and other removed features would be removed from the site and disposed of at an approved facility.



Source: SMART 2014, AECOM 2014

Figure 4. Construction equipment and materials staging area for the San Rafael Creek trestle replacement.



Source: SMART 2014, AECOM 2014

Figure 5. Construction equipment and materials staging area for the unnamed drainage ditch trestle replacement.

Unnamed Drainage Ditch Trestle

Another derelict railroad trestle crosses an unnamed drainage ditch that runs alongside the rail alignment between Rice Drive and Andersen Drive. The unnamed drainage ditch passes underneath US-101 via an underground culvert and eventually discharges to San Rafael Canal about 700 feet downstream from the trestle. The discharge location is about 1.25 miles upstream from where San Rafael Creek/San Rafael Canal enters San Rafael/San Pablo Bay. Figure 2 shows the location of the trestle within the larger Action Area, as well as the feature's location relative to San Rafael Bay/San Pablo Bay. The trestle is in poor condition and would require complete replacement.

Figure 5 shows a detailed overview of this location, as well as the planned construction footprint and proposed staging area for the trestle's replacement. The existing trestle is approximately 20 feet in length. Appendix C contains plan views of the proposed alignment, with the unnamed ditch trestle location indicated.

Figure 5 shows a detailed overview of this location and the construction footprint. Double tracking is proposed along this portion of the alignment. The existing abutments and retaining features located along both banks would remain in place during construction. Soil behind these existing features would be excavated and new abutments constructed in the resultant void. The new bridge and trackwork would be laid across the stream atop the newly constructed abutments.

The former abutments and retaining features would either be removed or left in place following construction activities. Constructing the new crossing in this manner would avoid in-water construction activities.

Approximately 10 creosote treated wooden trestle piles, each approximately 14" diameter, would be cut three feet below the streambed and removed from this waterway. Small cofferdams would be constructed around each pile slated for removal. The cofferdams would be small enough not to disrupt the natural flow of the water course or normal behaviors by fish. All creosote-treated materials associated with the old trestle and other removed features would be removed from the site and disposed of at an approved facility.

CONSTRUCTION STAGING

The existing railroad ROW would be used as a staging area for construction equipment and building materials. Off-site staging in existing available yards and nearby commercial properties may be used as well. For trestle replacement and sheet pile retaining wall construction, staging areas would be located adjacent to San Rafael Creek and the unnamed drainage ditch in areas that are already disturbed and where disturbance to existing vegetation would be minimal. Proposed staging areas for San Rafael Creek and the unnamed drainage ditch are shown in Figures 3 through 5. The San Rafael Creek trestle replacement staging area would be approximately 0.414 acres. The unnamed drainage ditch sheet pile retaining wall installation site staging area would be approximately 0.434 acres. The unnamed drainage ditch trestle replacement site staging area is approximately 0.2 acres. Following construction activities, each staging area would be restored according to the project re-vegetation plan as specified in Section 3.6, General Avoidance and Minimization Measures.

3.3 TIMING OF PROPOSED ACTION

SMART proposes to begin constructing the Proposed Action in spring 2015 and would take approximately one year to complete. It would take approximately two weeks each to complete the trestle replacements at San Rafael Creek and the unnamed drainage ditch, and also to install the retaining wall south of Irwin Street. In-water work in

association with these two trestle replacements would be restricted to removal of existing wooden trestle piles in both watercourses and sheet pile driving in the unnamed drainage ditch. All in- water work would occur from July 1 through November 30 to eliminate or minimize potential impacts to green sturgeon and the species critical habitat, and EFH.

3.4 ACTION AREA

The Action Area is defined as the existing railroad ROW between Downtown San Rafael and Larkspur. The Action Area is approximately 25 acres, and was delineated using the most current GIS layers of the SMART ROW boundary. Acreage is based on property lines and not from centerline calculations. The stretch of the former NWP corridor proposed for use under the Proposed Action is still in place but has been non-operational for several decades. The ROW remains intact and would require only limited improvements to be converted from its current condition as an abandoned freight railway to use as a passenger railway.

3.5 PROJECT FOOTPRINT

Within the overall 25-acre Action Area, project activities with a potential to impact focal species would be limited to the two replacement trestle areas at San Rafael Creek and the unnamed drainage ditch, and the sheetpile retaining wall installation location, also along the unnamed drainage ditch. Figures 3 through 5 show details of these three areas. The project footprint is defined as the construction zone where work associated with the above activities would occur, including all construction and staging areas. Approximately 0.39 acres of bank and watercourse channel (0.14 acres for San Rafael Creek and 0.25 acres for the unnamed drainage ditch) would be disturbed by excavation, grading, shaping of the project area, removal of old piles, and pile driving activities. The staging areas for these activities would total approximately 1.048 acres. All portions of the project footprint are part of the Action Area.

3.6 GENERAL AVOIDANCE AND MINIMIZATION MEASURES

To avoid and minimize effects on federally listed species and their habitat in the action area, the following general avoidance and minimization measures would be implemented:

1. Prior to any onsite construction activities, a review of all required permits and notifications would be performed to ensure requirements for environmental compliance are fully understood, specific limits of activities and work are defined and understood, and all environmental clearances and access, encroachment agreements, and permissions have been obtained from the appropriate agencies and parties.
2. Prior to any construction activities, a job briefing would be held each day to discuss daily activities.
3. A biological monitor approved by NMFS would be onsite during all construction activities. The biological monitor would be approved prior to work. Biological monitors would be notified in advance of all work activities and locations and scheduled to be onsite as required during all ground disturbing activities.
4. A worker awareness program would be presented to all construction personnel before they start work on the proposed project. The program would summarize relevant laws and regulations that protect biological resources, and discuss sensitive habitats and listed species, the role of biological monitors, and applicable avoidance measures to protect listed species and habitats.

5. All work would occur during normal daylight working hours.
6. Access routes and work areas would be limited to the minimum amount necessary to achieve the project goals. Unpaved routes and boundaries would be clearly marked prior to initiating construction.
7. All food and food-related trash items would be enclosed in sealed trash containers and removed daily from the project site.
8. Pets would not be allowed on the project site.
9. Standard best management practices (BMPs) would be applied to protect species and their habitat(s) from pollution due to fuels, oils, lubricants, and other harmful materials. Vehicles and equipment used during the course of the project would be fueled and serviced in a manner that would not affect federally protected species in the Action Area or their habitats.
10. Well-maintained equipment would be used to perform the work, and except in the case of a failure or breakdown, equipment maintenance would be performed off site. Equipment would be inspected daily by the operator for leaks or spills. If leaks or spills are encountered, the source of the leak would be identified, leaked material would be cleaned up, and the cleaning materials would be collected and properly disposed.
11. A Spill Prevention Control and Countermeasure (SPCC) Plan would be prepared to address the emergency cleanup of any hazardous material, and would be available on site. The SPCC plan would incorporate SPCC, hazardous waste, stormwater, and other emergency planning requirements. Fueling of equipment would be conducted in accordance with procedures to be developed in the SPCC.
12. All construction materials, wastes, debris, sediment, rubbish, trash, fencing, etc., would be removed from the site once project construction is complete, and transported to an authorized disposal area, as appropriate, in compliance with applicable federal, state, and local laws and regulations.
13. Hazardous materials such as fuels and lubricants would be stored in sealable containers in a designated location at least 200 feet from any aquatic habitat.
14. The number of access routes, size of staging areas, and the total area of the activity would be limited to the minimum necessary to achieve project goals. Project limits would be established and defined with physical markers to define access routes and maintenance areas to the minimum area necessary to complete the project; this includes locating access routes and maintenance areas outside of drainages and creeks. Construction access, staging, storage, and parking areas would be located on ruderal or developed lands to the extent possible. Vehicle travel adjacent to wetlands and riparian areas would be limited to existing roads and designated access paths. Sensitive natural communities (i.e. wetlands, watercourses, riparian zones, and oak woodlands) would be conspicuously marked in the field to minimize impacts on those communities, and work would be limited to outside the marked areas.
15. Best Management Practices (BMPs) as required by the Regional Water Quality Control Board would be implemented to effectively manage runoff and sediment from construction activities.

16. Only tightly woven fiber netting or similar material may be used for erosion control. No plastic mono-filament matting would be used for erosion control, as this material may ensnare wildlife.
17. Netting or suspended debris racks will be used during demolition and removal of the existing trestle structures to minimize the amount of debris falling into water bodies.
18. Temporarily disturbed areas, such as staging areas, would be returned to original contours to the extent feasible upon completion of the project. A project re-vegetation plan would be developed and implemented following the conclusion of construction activities.
19. During construction activities, the following measures would be implemented to the extent feasible to reduce the spread of exotic invasive plants in temporary work areas and throughout the project corridor:
 - Minimize vehicle travel through weed-infested areas.
 - Minimize soil disturbance and the removal of existing vegetation (exotic or native) to the extent feasible during construction activities.
 - Use only certified weed-free straw and mulch or weed-free fiber roll barriers or sediment logs.
 - Use only seed mixes and plantings that are native or naturalized to the North Bay region and are appropriate to the pre-existing or adjacent natural habitat for re-vegetation.
20. To prevent introduction and/or transport of aquatic invasive species into or from creeks, sloughs, or other wetted channels in the Action Area, any equipment that comes into contact with the channel would be inspected and cleaned before and after contact according to the most current Inspection Standards and Cleaning and Decontamination Procedures (DiVittorio et al. 2012).

3.7 GREEN STURGEON AVOIDANCE AND MINIMIZATION MEASURES

1. In-water work would be restricted to low-flow periods between July 1 and November 30, unless otherwise specified by appropriate agencies. This window can be extended based on creek and river conditions, if approved in writing by NMFS. Work from the banks, trestle, falsework, and inside closed coffer dams can occur year-round.
2. A qualified biological monitor would be present during ground or water disturbing activities (e.g., ESA fence installation, vegetation clearing, trestle demolition, and bridge construction). Work would stop immediately if a listed or protected species was encountered and the appropriate agency or agencies notified (USFWS, NMFS, and/or California Department of Fish and Wildlife [CDFW]). Work would not resume at that location prior to the agencies' approval, or as agreed to in prior consultation with the agencies.
3. Cofferdams would only be used around each wooden trestle pile during removal activities. If dewatering is required, a qualified biologist would be present during the dewatering period to inspect and ensure that sensitive aquatic species would not be trapped within temporary cofferdams. If green sturgeon were found within the cofferdams a NMFS approved biologist would capture and relocate trapped fish to an appropriate area away from the Project Area.

4. At the completion of the project, SMART would remove all materials from the streambed used to construct and maintain cofferdams.
5. Construction activities would avoid submergent and emergent aquatic vegetation to the greatest extent possible.
6. Catchment tarps would be installed to ensure all construction debris is caught and removed daily from the work area prior to trestle demolition, decommissioning, or work activity within the river floodway embankments.
7. Pumps used for dewatering, if needed, would have agency-approved fish screens installed to minimize intake of fish into pumps. Diversion structures would be left in place until all in-water work was completed. Temporary culverts, construction materials, and debris would be removed from the affected area prior to reestablishing flow and prior to the rainy season.

4 AFFECTED ENVIRONMENT AND BASELINE ENVIRONMENTAL CONDITIONS

This section describes the baseline environmental conditions of the Action Area, including its setting, climate, topography, hydrology, and water quality. These physical characteristics provide context for the biological conditions and the species descriptions that follow.

4.1 DESCRIPTION OF THE EXISTING DOWNTOWN SAN RAFAEL TO LARKSPUR ALIGNMENT

This section describes the Proposed Action alignment as it currently exists. Figure 2 shows the alignment and the locations of the several features that are described in this narrative. Appendix D contains a series of photographs showing features that are relevant to this BA. The alignment generally follows the former NWP corridor, and in some locations, former NWP structures such as abandoned rails, trestles, and other features are still present. Most of these features would be removed, replaced, or otherwise modified. The purpose of this section is to describe the alignment as it currently exists. Other sections of this document describe proposed improvements that are relevant to this BA.

The alignment begins at the northern curb of Third Street in San Rafael, immediately south of the Downtown San Rafael Station location and adjacent to the Bettini Transit Center. The alignment travels southward across Second Street and across San Rafael Creek (sometimes referred to locally as Mahon Creek). The trestle crossing San Rafael Creek is approximately 30 feet in length, and water levels vary from one to six feet in depth depending upon the tide. The abandoned NWP tracks cross the creek over an older wooden trestle with mid-span piers, which is in poor condition. The alignment through this section is single-tracked. Photographs 1 through 3 in Appendix D show the existing trestle and San Rafael Creek.

After crossing San Rafael Creek, the alignment crosses West Francisco Boulevard and then roughly parallels this roadway along its western side for approximately 1,000 feet before angling away to the west. Within this segment, the existing railroad right-of-way (ROW) also crosses Irwin Street and Rice Drive. At Irwin Street, the alignment parallels and unnamed drainage ditch that runs adjacent to the existing rail ROW along its western side. See Photograph 4 in Appendix D for photographs of the unnamed drainage ditch in the vicinity of Irwin Street. After this segment, the rail ROW is then partially paved over for approximately 1,300 feet for use as an auto storage yard for area automobile dealerships from approximately midway between Irwin Street and shortly beyond the Rice Drive crossing.

In the vicinity of the auto dealerships, the alignment becomes double-tracked, with the main line and a siding approximately 1,600 feet in length. Within this section, the alignment crosses an unnamed drainage ditch across a short wooden trestle that is in poor condition. The trestle is approximately 20 feet in length, is single span, and is supported by timber abutments on both sides. Photographs 5 and 6 in Appendix D show the trestle and the unnamed drainage ditch in the vicinity of the trestle crossing.

After approximately 1,600 feet, the siding joins rejoins the mainline and the alignment reverts to a single-track configuration, which remains the case for the rest of the way to Larkspur. At this point, the alignment crosses Andersen Drive. From the crossing at Andersen Drive southwards, the alignment lies immediately adjacent to the

Cal Park Hill Pathway (Marin County Bicycle Route 5), which is a combined bicycle and pedestrian pathway that travels alongside the SMART alignment from this point southwards to Larkspur Landing. The pathway was constructed in 2010, and was designed to be compatible with future SMART passenger train service.

South of Andersen Drive, the alignment passes beneath U.S. Highway 101 and over Woodland Avenue/Bellam Boulevard via another wooden trestle, which is in fair condition. This is a dry crossing over a busy arterial roadway. Surface waters are not present. After the trestle, the alignment begins to roughly parallel U.S. Highway 101 along its eastern side for approximately 2,000 feet and then enters the Cal Park Hill Tunnel. After emerging from the tunnel, the alignment travels approximately 2,500 feet to the proposed Larkspur Station location and the southern terminus of the overall SMART alignment just north of Sir Francis Drake. The existing railroad ROW along this segment is currently used as a parking area for the Marin Airport. The Larkspur Station would be located adjacent to the Century Theaters Larkspur Landing movie theater. Other nearby uses include business park and commercial entities on the other side of Larkspur Landing Circle, including Marin Country Mart, which contains a mix of commercial uses including restaurants, retail, offices, and a health club. The Larkspur Ferry Terminal lies approximately 1,700 feet from the Larkspur Station site across Larkspur Landing Circle and Sir Francis Drake Boulevard.

The area through which the alignment passes is almost entirely comprised of industrial and commercial land uses. A concrete mixing plant, light manufacturing operations, automobile dealerships, storage lots, automotive-related industry, and lay-down yards comprise the bulk of the adjacent land uses north of the Cal Park Tunnel.

4.2 SAN RAFAEL CREEK

The San Rafael Creek watershed comprises 11 square miles. Its boundaries are shown in Figure 1. San Rafael Creek originates in the hills above Tamalpais Cemetery approximately 2 miles northwest of the Action Area and flows through densely developed residential and industrialized areas before entering a man-made channel (San Rafael Canal) immediately downstream of US-101 amidst historically-filled wetlands. In the upper watershed, San Rafael Creek consists of short stretches of open stream channel, transitioning into underground culverts and trapezoidal open channels prior to entering San Rafael Canal and then San Rafael Bay/San Pablo Bay in the vicinity of Pickleweed Park, approximately 1.5 miles downstream from the Action Area. San Rafael Canal is lined with marinas and other water-related industry.

Historically, the San Rafael Creek watershed was used for grazing and agriculture. By the late 1800s, San Rafael was a flourishing city accessed by train and ferry from San Francisco, and San Rafael Canal was important for early industry and as a recreation destination. In the early 1900s, San Rafael Canal in the area that is now occupied by the US-101 overcrossing was dredged to create the San Rafael Baths, which were recreational pools 35 feet wide and 200 feet long. In 1928, the U.S. Army Corps of Engineers began widening and dredging the San Rafael Canal for navigation. Much of what is now referred to as the “Canal District” of San Rafael was once an expansive tidal wetland that was filled and converted to urban uses beginning in the 1920s and carrying through into the late 1950s. The watershed is highly urbanized, with small areas of annual grasslands and oak-bay woodland. Flows in the upper watershed is ephemeral to intermittent during higher flow years and currently does not support fish populations due to a lack of habitat and perennial streamflow. Historically, the watershed likely supported steelhead and other fish species (CDFG 2008).

Though the creek channel is open in many areas and is not exclusively restricted to underground culverts, non-native plants dominate the riparian zone, fragmented by urban development. Along the northern watershed

boundary approximately 1.75 miles north of the Action Area, Harry Barbier Park supports oak-bay and oak woodlands, grassy meadows, and coastal scrub and provides habitat connectivity in the northeast between the San Rafael and Gallinas Creek watersheds. In this area, Glenwood Creek supports threespine stickleback and few if any other fish species. Further to the northeast, approximately 3.5 miles from the Action Area, the 140-acre Peacock Gap Golf and Country Club property supports a number of small freshwater ponds and a larger 13-acre tidal lagoon (Hydroikos Ltd. 2000). Areas of healthy, mature woodland habitats surround the club property.

The San Rafael Creek watershed does not support special-status fish species. However, the lower portion of the creek near the confluence with San Rafael Bay/San Pablo Bay supports estuarine fish. The watershed supports a few special-status terrestrial plants and animals, primarily in limited, highly fragmented marsh habitat along the bay approximately 1.5 miles east of the Action Area, including California clapper rail, San Pablo song sparrow, salt marsh harvest mouse, and common yellowthroat—all salt marsh adapted species. These isolated wetlands along the bay also provide habitat for migratory waterfowl, shorebirds, and wading birds. In 2007, four clapper rails and a number of other bird species were observed in Pickleweed Park, approximately 1.5 miles downstream from the Action Area. Marin western flax is present in the marshlands and Tiburon buckwheat occurs at higher elevations in Black Canyon (Harry Barbier Park). The tidal sloughs of San Rafael Bay/San Pablo Bay likely support estuarine fish, although there are no reports documenting their occurrence.

4.3 UNNAMED DRAINAGE DITCH

An artificial, unnamed drainage ditch is aligned immediately to the west of the rail ROW and follows that alignment from the storm grate at Irwin Street to the short trestle crossing immediately after the unnamed ditch makes a 90 degree turn toward San Rafael Canal (to the east). Water entrained into the unnamed ditch in the vicinity of the Irwin Street storm grate is pumped out to the San Rafael Canal, along with other local drainage ditches. There is a flood control pump station where the unnamed ditch enters San Rafael Canal, through a one-way (bayward) tidal gate. Between that tidal gate and the trestle crossing (at the 90 degree turn toward the canal), there is a very subtle change of gradient (i.e., a divide), with most of the water tending to move in a northerly direction towards the Irwin Street grate and subsequently pumped to the canal, as described above. On the other side of this divide, water movement tends toward the opposite direction (towards San Rafael Canal) flowing under the trestle and then the US-101 freeway, and finally out to San Rafael Canal via the flood control pump station that operates during periods of high rainfall and high tide. San Rafael Canal eventually discharges to San Rafael Bay/San Pablo Bay approximately 1.5 miles east of the Action Area.

There is no direct connection (other than through the pumps and tidal gates) between the unnamed drainage ditch and San Rafael Bay or the San Rafael Canal (lower San Rafael Creek). There are no fish present in the unnamed drainage ditch, and the plant community along the banks consists almost entirely of non-native plant species, with very little overhanging riparian vegetation. The ditch is deeply incised almost certainly a result of historic trenching. Instream habitat consists of a silty substrate and no cover is present for fish or other aquatic resources, other than algal patches. In summary, the habitat value of this unnamed drainage ditch for aquatic resources is very low.

4.4 OVERALL AQUATIC HABITAT QUALITY IN THE ACTION AREA

The existing condition of fish habitat in San Rafael Creek and throughout the Action Area has been influenced by a long history of human disturbance including channel maintenance and flood control actions, industrial and urban development, and transportation development. Riparian corridors and instream structure have been reduced in San

Rafael Creek and the unnamed drainage ditch resulting in warm water temperatures in the summer and fall. All of these factors degrade aquatic habitat and limit the quality of habitat for green sturgeon and most other fish species in and around the Action Area.

Primary Constituent Elements (PCE) for green sturgeon are generally not present in San Rafael Creek and are completely absent in the unnamed drainage ditch. The substrate in the San Rafael Creek portion of the Action Area is predominately mud and silt with small amounts of gravel. Although the project footprint area on San Rafael Creek is brackish (except during storm events) and tidally influenced, the channel nearly dewateres in total flow during low tide stages which virtually precludes the availability of suitable green sturgeon habitat. Therefore, San Rafael Creek does not provide green sturgeon spawning, rearing, or foraging habitat. In addition, water quality is almost certainly degraded as determined by the presence of trash in the creek, as well as a proliferation of creosote pilings and retaining features that are known to leech toxic contaminants. Adult and juvenile green sturgeon may be present year-round in tidal portions of San Rafael Bay, approximately 1.5 miles downstream from the Action Area.

In summary, the proposed replacement trestle at San Rafael Creek would cross the creek at its lower end where gradient is low, water temperatures are high, water quality is poor, and gravel substrates are generally absent. San Rafael Creek is considered very poor habitat for adult and juvenile green sturgeon. The same is true for the unnamed drainage ditch; in addition, fish are precluded from entering the ditch because of the presence of tidal gates and pumps.

San Rafael Creek is designated critical habitat for southern DPS green sturgeon. Habitat in San Rafael Creek is unsuitable for green sturgeon even though the creek is tidally influenced. When streams are unlikely to be utilized by green sturgeon because they lack the PCEs for critical habitat, they may be eliminated from consideration as habitat through discussions with resource agencies. San Rafael Bay and San Pablo Bay beyond are also designated as green sturgeon critical habitat. Activities along tributaries that feed into San Rafael Bay and San Pablo Bay have the potential to affect green sturgeon critical habitat within those water bodies.

5 SPECIES, CRITICAL HABITAT, AND ESSENTIAL FISH HABITAT DESCRIPTIONS

Basic life history information for each species, and a description of critical habitat and EFH considered in this assessment is presented in this section.

5.1 SOUTHERN DPS OF NORTH AMERICAN GREEN STURGEON

Green sturgeon was federally listed as threatened on June 6, 2006 (71 FR 17757) (NOAA 2006). Green sturgeon is the most widely distributed and most marine oriented member of the sturgeon family Acipenseridae (Moyle 2002). The species is anadromous, spawning in fresh water in the Central Valley and returning to San Francisco Bay and near shore marine waters to feed and mature.

Green sturgeon is distributed throughout the San Francisco Bay and its associated river systems; this population represents the southern-most spawning population. Juveniles are found throughout the California Delta and San Francisco Bay region. The species also occurs in the coastal waters of the Pacific Ocean off California and in coastal rivers. Small numbers have been documented in Tomales Bay and Bodega Bay and a single fish has been documented in the Noyo River. The species is regularly observed in small numbers in Humboldt Bay and has been caught in coastal waters and estuaries from Humboldt Bay to the Oregon border. Small numbers of adults and juveniles have been observed in the Eel River (71 FR 17757).

Adult green sturgeon sexually mature at 13 to 20 years of age, return to freshwater to spawn every two to five years, and generally show fidelity to spawning sites (Moyle 2002). Spawning occurs from March through July and peaks from mid-April through mid-June (Moyle 2002). Green sturgeon may migrate long distances upstream to reach spawning habitat. Adult sturgeon has been reported as far upstream as Red Bluff on the Sacramento River (Moyle 2002). Spawning habitat is characterized as deep pools or scour holes in the mainstem of large, turbulent rivers with large cobble, bedrock, or clean sand substrates. Eggs are likely broadcast over substrates where they settle into interstitial spaces. Green sturgeon require cool water temperatures for egg and larvae development with optimal temperatures ranging from 15 °C to 19 °C (Moyle 2002). Spawning has only been documented in the Klamath, Sacramento, and Rogue rivers in recent times (71 FR 17757).

Green sturgeon larvae first feed at 10 days, and grow rapidly, reaching 12 inches in their first year. Juveniles and adults are benthic feeders (Moyle 2002). Adults captured in the Sacramento-San Joaquin Delta fed on invertebrates (shrimp, mollusks, amphipods) and small fish (Adams et al. 2005). Juveniles spend from one to three years in freshwater before first ocean entry. Optimal water temperature for juveniles is 14 °C to 16 °C (Mayfield and Cech 2004) and optimal salinities from 10 parts per thousand (ppt; brackish) to 33 ppt (salt water).

Green sturgeon habitat is not available in the Project Area of San Rafael Creek and the unnamed drainage ditch. However, it is available within the Action Area of both watercourses downstream in the tidally influenced estuarine habitats of San Pablo Bay. The closest documented occurrence of green sturgeon to the Project Area was a tagged adult green sturgeon netted at the mouth of the Petaluma River in 1997 (NOAA 2009). It was determined to have been holding for an 11 hour period during its migration to the Sacramento River.

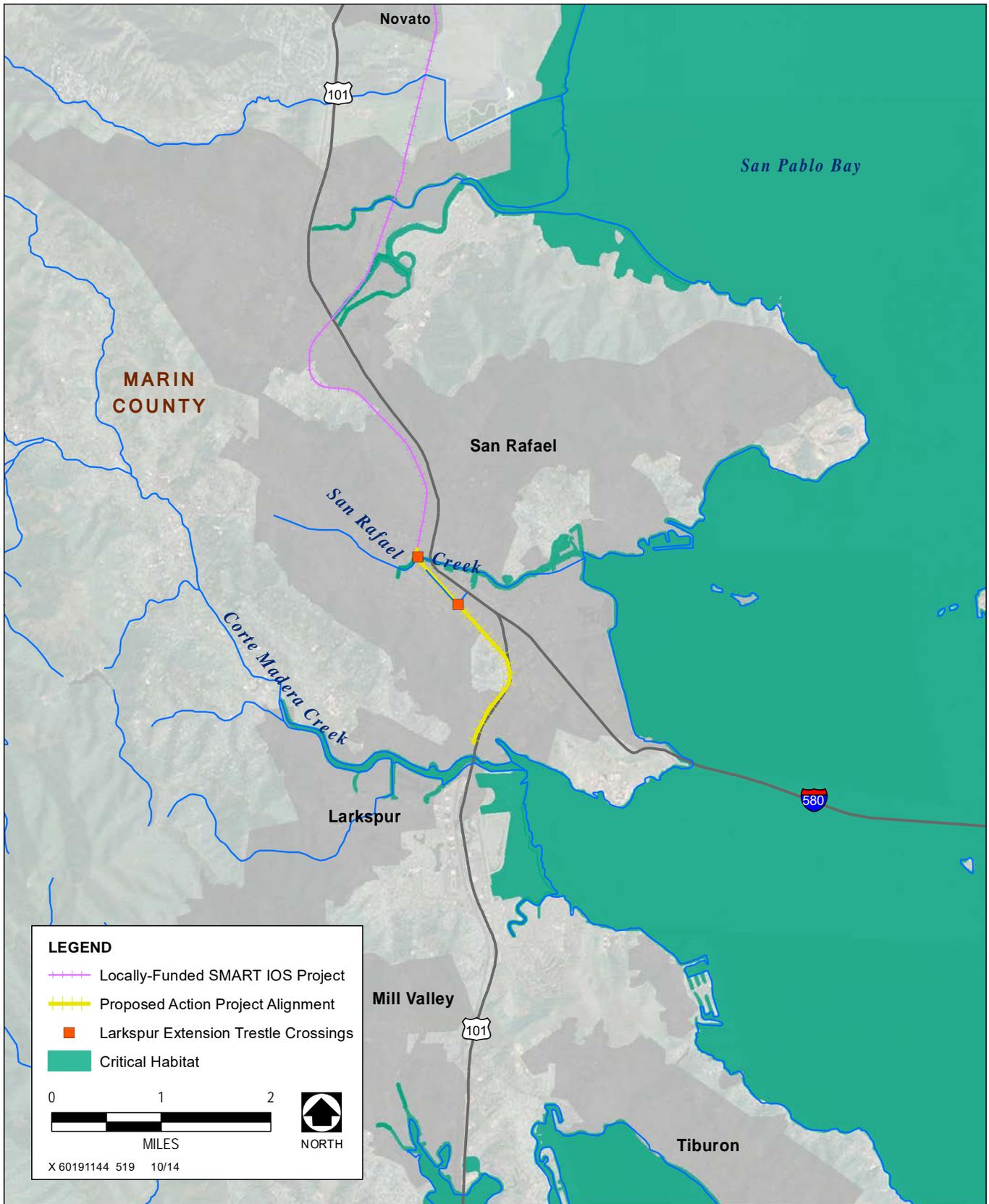
5.2 CRITICAL HABITAT - SOUTHERN DPS OF NORTH AMERICAN GREEN STURGEON

Green sturgeon critical habitat was designated in October 2009 (74 FR 52300). Critical habitat for green sturgeon is located within the Project Area of San Rafael Creek, and within the Action Area of San Rafael Creek and the unnamed drainage ditch (Figure 6). The Primary Constituent Elements (PCEs) for green sturgeon in estuarine habitats are:

1. Food resources: abundant prey items within estuarine habitats and substrates for juvenile, sub-adult, and adult life stages.
2. Water flow: within bays and estuaries adjacent to the Sacramento River (i.e., the Sacramento-San Joaquin Delta and the Suisun, San Pablo, and San Francisco bays) sufficient flow into the bay and estuary to allow adults to successfully orient to the incoming flow and migrate upstream to spawning grounds.
3. Water quality: includes temperature, salinity, oxygen content, and other chemical characteristics necessary for normal behavior, growth, and viability of all life stages.
4. Migratory corridor: a migratory pathway necessary for the safe and timely passage of Southern DPS fish within estuarine habitats and between estuarine and riverine or marine habitats.
5. Depth: a diversity of depths necessary for shelter, foraging, and migration of juvenile, sub-adult, and adult life stages.
6. Sediment quality: sediment quality (i.e., chemical characteristics) necessary for normal behavior, growth, and viability of all life stages.

The PCE's for green sturgeon in freshwater habitats are:

1. Food resources: abundant prey items for larval, juvenile, sub-adult, and adult life stages.
2. Substrate type or size (i.e., structural features of substrates): substrates suitable for egg deposition and development (e.g., bedrock sills and shelves, cobble and gravel, or hard clean sand, with interstices or irregular surfaces to collect eggs and provide protection from predators, and free of excessive silt and debris that could smother eggs during incubation), larval development (e.g., substrates with interstices or voids providing refuge from predators and from high flow conditions), and subadults and adults (e.g., substrates for holding and spawning).
3. Water flow: a flow regime (i.e., the magnitude, frequency, duration, seasonality, and rate-of-change of fresh water discharge over time) necessary for normal behavior, growth, and survival of all life stages.
4. Water quality: includes temperature, salinity, oxygen content, and other chemical characteristics necessary for normal behavior, growth, and viability of all life stages.
5. Migratory corridor: A migratory pathway necessary for the safe and timely passage of southern DPS fish within riverine habitats and between riverine and estuarine habitats (e.g., an unobstructed river or dammed river that still allows for safe and timely passage).
6. Depth: deep (≥ 5 meters) holding pools for both upstream and downstream holding of adult or subadult fish, with adequate water quality and flow to maintain the physiological needs of the holding adult or subadult fish.
7. Sediment quality: sediment quality (i.e., chemical characteristics) necessary for normal behavior, growth, and viability of all life stages.



Source: NOAA Fisheries 2009

Figure 6. Southern DPS North American Green Sturgeon critical habitat in the Vicinity of the Action Area

5.3 ESSENTIAL FISH HABITAT

Section 305(b)(2) of the MSA, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104 267), requires federal agencies to consult with NMFS on activities that may adversely affect EFH for federally managed fish species. These species include commercial fishes with established Fisheries Management Plans (FMPs) as managed by regional fisheries management councils (Councils). With assistance from NMFS, these Councils are required to delineate EFH for all managed species in the context of FMPs and their amendments, and the Secretary of Commerce (acting through NMFS) approves EFH definitions.

EFH includes those waters and substrate necessary for fish spawning, breeding, feeding, or growth to maturity. In the definition of EFH: waters include aquatic areas and their associated physical, chemical, and biological properties that are used by fish and may include aquatic areas historically used by fish where appropriate; substrate includes sediment, hard bottom, structures underlying the waters, and associated biological communities; necessary means the habitat required to support a sustainable fishery and the managed species contribution to a healthy ecosystem; and spawning, breeding, feeding, or growth to maturity covers a species' full life cycle (NMFS 2004).

The Pacific Fisheries Management Council (PFMC) manages the relevant commercial fisheries that may be affected by the Proposed Action. The Proposed Action corridor crosses two tidally influenced water courses immediately adjacent to San Pablo Bay; designated EFH is present in San Pablo Bay (Figure 7). Therefore, project activities have the potential to affect fish species managed under the Pacific Coast Groundfish FMP and the Coastal Pelagics FMP. Species managed under these FMPs are unlikely to occur in the Project Area. However, various life stages of each species may occur in the Action Area (i.e., downstream of the Project Area and in San Pablo Bay). A complete list of fish species and life stages with designated EFH that may occur in the Action Area is provided in Table 2.

5.3.1 PACIFIC GROUND FISH EFH

The PFMC manages 83 species of Pacific groundfish. Several of these species are known to occur in San Pablo Bay (Table 2). The waters and substrate that comprise groundfish EFH are diverse, widely distributed, and closely affiliated with other aquatic and terrestrial environments. The Pacific groundfish FMP groups EFH descriptions into seven units called composite EFHs. This approach focuses on ecological relationships among species and between the species and their habitats, reflecting an ecosystem approach for defining EFH.

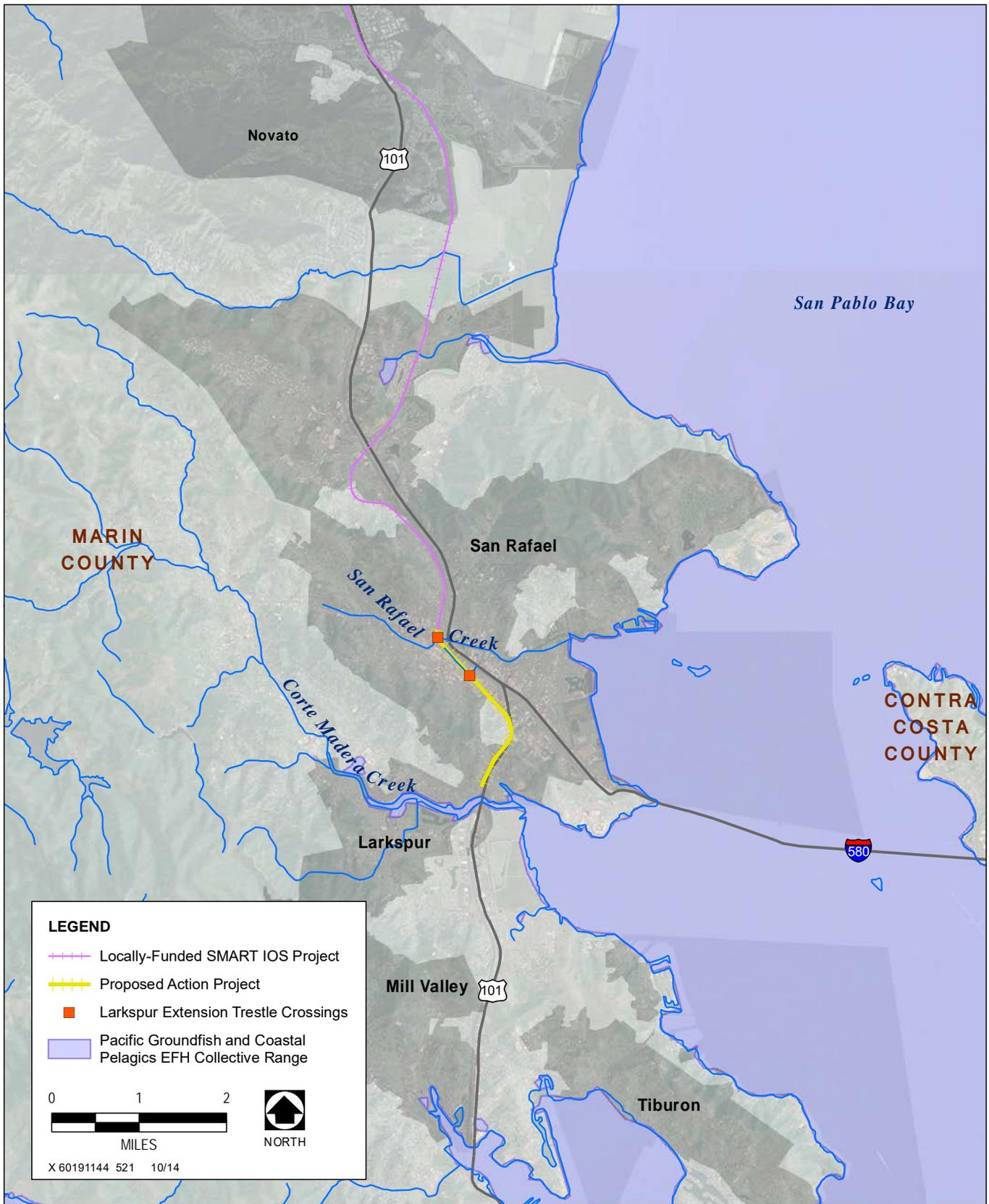
All Pacific groundfish EFH in the Action Area is characterized as estuarine. The Proposed Action corridor crosses two tidally influenced waters on the margin of San Pablo Bay that may be used by various life stages of Pacific groundfish such as starry flounder, English sole, and leopard shark; other Pacific groundfish species listed in Table 2 typically utilize deeper-water habitats and rocky or sandy substrates within estuaries. Starry flounder and English sole generally prefer low-gradient tidal areas with muddy or sandy bottoms. Leopard sharks utilize shallow muddy and sandy habitats to pup and forage.

Table 2. Fisheries Management Plan Species of Pacific Groundfish and Coastal Pelagics Potentially Occurring in the Vicinity of the Action Area				
Common Name	Scientific Name	FMP	Life Stage	Potential for EFH Disturbance
Starry flounder	<i>Platichthys stellatus</i>	PG	J, A	Low to moderate: juveniles rear in sub-tidal mud/sand flats
English sole	<i>Parophrys vetulus</i>	PG	J, A	Low to moderate: typically found in deeper waters
Lingcod	<i>Ophiodon elongatus</i>	PG		Low: typically associated with rocky substrates
Sand sole	<i>Psettichthys melanostictus</i>	PG	L, J, A	Low: prefer coastal sandy habitats
Leopard shark	<i>Triakis semifasciata</i>	PG	J, A	Low to moderate: prefer sandy and mud bottomed habitats
Spiny dogfish	<i>Squalus acanthias</i>	PG		Low: marginal habitat
Big skate	<i>Raja binoculata</i>	PG		Low: typically found in deeper water
Brown rockfish	<i>Sebastes auriculatus</i>	PG	J	Low: prefer rocky substrates
Cabezon	<i>Scorpaenichthys marmoratus</i>	PG	J	Low: typically found on rocky reefs
Pacific whiting	<i>Merluccius productus</i>	PG		Low: primarily occurs in deep coastal waters with sandy bottoms
Other rockfish	<i>Sebastes sp.</i>	PG	J	Low: typically found on rocky reefs
Northern anchovy	<i>Engraulis mordax</i>	CP	J, A	Low: pelagic species
Pacific sardine	<i>Sardinops sagax</i>	CP	J, A	Low: pelagic species

Notes: A = adult; CP = coastal pelagics; E = egg; J = juvenile; L = larvae; PG = Pacific groundfish

5.3.2 COASTAL PELAGICS EFH

The PFMC manages five coastal pelagic species. Four are finfish and include Pacific sardine, Pacific (chub) mackerel, northern anchovy, and jack mackerel. The fifth species, market squid, is an invertebrate. These species are pelagic and generally occur above the thermocline in the upper mixed layer. The FMP for coastal pelagic species defines estuarine EFH, and for the purposes of EFH, these species are treated as a single species complex because of similarities in life histories and habitat requirements. Pacific sardine and northern anchovy are known to occur in San Pablo Bay (Table 2). These species primarily occupy open water habitats within estuaries; however, they may occasionally use tidal wetlands for foraging. Coastal pelagic species have the least potential to be affected by project activities because they are pelagic at all life stages, mobile, and not typically associated with substrates.



Source: PSMFC 2005

Figure 7. Delineated Pacific Coast Groundfish and Coastal Pelagics EFH in the Vicinity of the Action Area.

6 ANALYSIS OF EFFECTS OF THE PROPOSED ACTION

This section describes the potential effects to North American green sturgeon southern DPS and the species critical habitat, Pacific groundfish EFH, and coastal pelagics EFH resulting from implementation of the Proposed Action. As defined under the ESA, direct effects are caused during implementation of Proposed Actions. The Proposed Actions having the potential to have temporary and/or permanent impacts that may result in direct effects include trackwork and bridge work. Systems and communication improvements and construction of a passenger station at Larkspur would not have effects to the species and habitat assessed in this BA.

6.1 CONSTRUCTION IMPACTS ON GREEN STURGEON

Removal and replacement of two trestles and the associated tracks, as well as placement of the retaining wall in the unnamed drainage ditch has the potential to harass and displace fish that are present in the general area of construction activities. It is unlikely that adult or juvenile green sturgeon would be present at any time of year within the Action Area in the vicinity of San Rafael Creek and the unnamed drainage ditch. However, adults and juveniles may be present year-round downstream of the Action Area in the tidally influenced estuarine habitats near the confluence of San Rafael Creek/San Rafael Canal with San Rafael Bay/San Pablo Bay.

During the construction phase, approximately 0.39 acres of bank and watercourse channel (0.14 acres for San Rafael Creek and 0.25 acres for the unnamed drainage ditch) would be disturbed by excavation, grading, shaping of each project area, removal of old piles, and pile driving activities. If not properly managed, construction activities could temporarily impair water quality within, adjacent to, or downstream of the Action Area. Sediment mobilization, increased turbidity, and release of contaminants could occur if disturbed and eroded soil or fluids from construction equipment were discharged into receiving waters. Impaired water quality could affect habitats and the physical health of fish and other aquatic life within San Rafael Creek/San Rafael Canal, the unnamed drainage ditch, and San Rafael Bay/San Pablo Bay. These waterways host and provide habitat for special-status species, important native species, and important non-native species that occur downstream of the Action Area.

6.1.1 TURBIDITY AND SEDIMENTATION

Turbidity is a measure of the amount of suspended particles or sediments, typically inorganic materials, within a body of water. Turbidity is an optical property of water where suspended and dissolved materials such as silt, clay, finely divided organic and inorganic matter, chemicals, plankton, and other microscopic organisms cause light to be scattered rather than transmitted in straight lines (Bash et al. 2001). Suspended sediments originate from both natural processes and human related activities. Temporal variation in weather patterns, particularly precipitation and runoff, and land-use projects often result in periodic pulses or chronic levels of suspended sediments in water bodies. Turbidity levels above ambient may affect fish by altering their physiology, behavior, and habitat, all of which may lead to physiological stress, reduced survival rates, and reduced population numbers (Bash et al. 2001).

Fish population levels and survival have been linked to levels of turbidity and sedimentation. Prolonged exposure to high levels of suspended sediment may cause a loss of visual capability in fish, leading to a reduction in feeding and growth rates, a thickening of the gill epithelia reducing respiratory function, clogging and abrasion of gill filaments, and increased stress levels which can reduce tolerance to disease and toxicants (Waters 1995). High levels of suspended sediments can alter movements and redistribute fish populations through avoidance. Fish would not

occupy areas unsuitable for survival unless they have no other option. Many fish are sight feeders, and turbid waters reduce the ability of these fish to locate and feed on prey. Some fish, particularly juveniles, could become disoriented and leave areas where their main food sources are located, ultimately reducing growth rates and survival. Some fish species would not spawn in excessively turbid water (Bell 1991). Therefore, project activities could reduce available fish habitat if high turbidity resulting from construction-related erosion or sediment mobilization were to preclude a species from occupying habitat required for specific life stages. Increased turbidity and sedimentation also could affect physical habitat. Sediment deposition can reduce water depths in pools, decreasing the water's physical carrying capacity for juvenile and adult fish (Waters 1995). Loss of habitat can also occur through sedimentation of spawning gravels or other spawning substrates.

Implementation of the avoidance and minimization measures outlined in Section 3 would effectively minimize the Proposed Action's effects with respect to turbidity and sedimentation. Appropriate sediment management techniques would be implemented through the use of Best Management Practices (BMP). Construction activities would be limited to dry season periods, which would minimize the potential for runoff and erosion during the construction period. With implementation of these and other measures outlined in Section 3, construction activities associated with the Proposed Action would not substantially increase turbidity and sedimentation, and there would be no adverse effect.

6.1.2 CONTAMINANTS

The potential exists for contaminants such as fuels, oils, hydraulic fluids, concrete, paint, and other chemicals/compounds used in construction activities to be introduced into waters adjacent to and downstream of the Action Area through spills or through surface runoff from staging areas. Contaminants may be toxic to fish or may alter oxygen diffusion rates and cause acute and chronic toxicity to aquatic organisms, thereby reducing growth and survival. Acute levels of contaminants can cause direct mortality of fish.

Implementation of the avoidance and minimization measures outlined in Section 3 would effectively minimize the Proposed Action's effects with respect to potential releases of contaminants into area waters. Contaminants such as fuel and lubricants would be properly stored and managed, and maintenance activities would occur away from sensitive areas in a designated area. A Spill Prevention Control and Countermeasure Plan would be prepared and implemented. With implementation of these and other measures outlined in Section 3, construction activities associated with the Proposed Action would not result in the release of contaminants into area waters, and there would be no adverse effect.

6.1.3 NOISE AND VIBRATION

Installation of the retaining wall and wooden piles on the bank of each water course via vibratory hammer could have effects to fish within the general vicinity of the Action Area. Pile driving can affect underwater sound waves and pressures which can impact fish. Sound is defined as small disturbances in a fluid from ambient conditions through which energy is transferred away from a source by progressive fluctuations of pressure or sound waves (Caltrans 2009). Sound waves are always produced by vibrating objects such as a pile being driven by a vibratory hammer. As the vibrating surface moves, it compresses the molecules in the adjacent medium, creating a high-pressure region (Caltrans 2009). As the object vibrates back to its original position, the molecules in contact with the vibrating surface produce a low-pressure region (Caltrans 2009). These areas are known as compressions and rarefactions, respectively (Caltrans 2009). The magnitude of the difference between a paired compression and

rarefaction dictates potential effects to fish. Effects can include change in behavior, decreased fitness, increased predation risk, physical injury, and mortality (Caltrans 2009). The severity of effects depends on the intensity and characteristics of the sound, the distance and location of the fish in the water column relative to the sound source, the size and mass of the fish, and the fish's anatomical characteristics (Caltrans 2009).

An interagency working group including NMFS established interim criteria for evaluating underwater noise impacts on fish from impact pile driving. These criteria are defined in the document entitled *Agreement in Principal for Interim Criteria for Injury to Fish from Pile Driving Activities* (Fisheries Hydroacoustic Working Group 2008). This agreement identifies a peak sound pressure level of 206 decibels (dB) and an accumulated sound exposure level (SEL)¹ of 187 dB as thresholds for injury to fish greater than or equal to 2 grams (g). For fish less than 2 g, the accumulated SEL threshold is reduced to 183 dB. Although no formal agreement has been made on a behavioral threshold, NMFS uses the 150 dB-root mean square as the threshold for adverse behavioral effects (NMFS 2009).

The NMFS criteria used for underwater noise levels were established specifically for impact pile driving and are not intended to be applied to vibratory driving. No formal agreement has been made regarding injury thresholds for vibratory pile driving. However, a staff member from NMFS has suggested that thresholds for vibratory driving should be 20 to 30 dB higher than for impact driving (Stadler, pers. comm., 2009). In addition, detailed field studies for the Mad River Bridges Replacement Project concluded no immediate significant physical effects for fish exposure on cumulative SEL values less than 194 dB from impact pile driving at the project site (Caltrans 2009). In the current regulatory environment, vibratory pile driving is generally viewed as a preferred method and mitigation measure for pile driving and not as a substantial source of concern for injury to fish. As stated previously in the project description, pile driving associated with the installation of the sheetpile retaining wall and the piles on the water course banks would be conducted using a vibratory hammer.

Construction activities would be restricted to low flow periods between July 1 and November 30 when fish are less likely to be present. Green sturgeon are unlikely to occur in either San Rafael Creek or in the unnamed drainage ditch at any time of the year, and construction during low flow periods would make their potential for occurrence even less likely. If green sturgeon or other fish were present in the area, they would likely move away from the area of disturbance. Finally, only vibratory pile drivers would be utilized, which would minimize potential impacts to fish during construction. Based on these consideration, there would not be an adverse effect from noise and vibration during construction.

6.1.4 SUMMARY OF CONSTRUCTION EFFECTS TO GREEN STURGEON

There would be no permanent effects to green sturgeon southern DPS from implementation of the Proposed Action. Potential construction related temporary disturbances and effects to adult and juvenile green sturgeon would be minimal because:

- ▶ Effects and disturbances would be brief and temporary (approximately two weeks of construction);
- ▶ A very small section of watercourse channel and adjacent bank would be disturbed (approximately 0.39 acres);

¹ Sound exposure level (SEL) is defined as the constant sound level acting for one second, which has the same amount of acoustic energy as the original sound. Expressed another way, the sound exposure level is a measure of the sound energy in a single pile driver strike. Accumulated SEL (SEL_{accumulated}) is the cumulative SEL resulting from successive pile strikes. SEL_{accumulated} is based on the number of pile strikes and the SEL per strike; the assumption is made that all pile strikes are of the same SEL.

- ▶ Construction activities would be restricted to low flow periods between July 1 and November 30;
- ▶ All pile driving would be conducted using a vibratory hammer;
- ▶ Most fish would likely move away from the area of disturbance;
- ▶ Presence of green sturgeon at work sites is unlikely during the proposed construction window; and
- ▶ Implementation of project avoidance and minimization measures would minimize potential impacts.

6.2 CONSTRUCTION EFFECTS ON GREEN STURGEON CRITICAL HABITAT

San Rafael Creek and the unnamed drainage ditch are located within designated critical habitat for North American green sturgeon southern DPS (Figure 6). Critical habitat identifies specific areas, both occupied and unoccupied by a listed species, which are essential to the conservation of the species and that may require special management considerations or protection [16 USC Section 1532(5)(A)]. Construction activities associated with the removal and replacement of two trestles and sheetpile installations could have temporary effects to designated green sturgeon critical habitat. As described previously in Section 6.1, unless properly managed, disturbance during construction activities could mobilize sediments, increase turbidity, and release fuels and lubricants through accidental discharge which would affect food resources, water quality, sediment quality, and water depth. There would be no permanent effects to green sturgeon southern DPS critical habitat from implementation of the Proposed Action. Potential temporary effects would have minimal impact on green sturgeon critical habitat because:

- ▶ Effects and disturbances would be brief and temporary (approximately two weeks of construction);
- ▶ A very small section of watercourse channel and adjacent bank would be disturbed (approximately 0.39 acres);
- ▶ Construction activities would be restricted to low flow periods between July 1 and November 30; and
- ▶ Implementation of project avoidance and minimization measures would minimize potential impacts.

Project plans call for the removal of approximately 36 creosote-treated wooden piles from the Proposed Action project area in San Rafael Creek and the unnamed drainage ditch. The piles would be cut 3 feet below the streambed and removed. Creosote treated wood placed in aquatic environments has been shown to leach contaminants into surrounding waters for many years and to have negative effects to fish and people (Hutton and Samis 2000; Sherry et al. 2006). Removal of the creosote treated wooden piles would have beneficial effects to green sturgeon and the species critical habitat, other special-status species and their habitat, and other aquatic life forms.

6.3 CONSTRUCTION EFFECTS ON ESSENTIAL FISH HABITAT

The Action Area is not within designated Pacific groundfish or coastal pelagics EFH (Figure 7). However, estuarine portions of San Rafael Bay/San Pablo Bay downstream of the Action Area are designated Pacific groundfish and coastal pelagics EFH. Temporary impacts could occur to EFH during project construction activities to replace two trestles and associated rails.

Potential adverse effects to estuarine EFH could impact various life stages of groundfish and coastal pelagic species that utilize estuarine habitats in San Rafael Bay/San Pablo Bay adjacent to the mouth of San Rafael Creek/San Rafael Canal. Estuarine habitats provide productive shallow water habitat for fish and their prey. Impacts may include changes to local water quality and habitat quality during proposed trestle replacement through substrate

disturbance, sediment mobilization, and the resulting increase in turbidity. Accidental release of fuels and lubricants from construction vehicles could also have negative impacts.

Turbidity plumes could result from the disturbance of substrates during construction activities. Fish may suffer reduced feeding ability leading to limited growth and lowered resistance to disease if high levels of suspended particles persist in the water column (PFMC 1998a). Suspended materials could contain toxins or pathogens, and can decrease levels of dissolved oxygen in the water. Toxic metals and organics, pathogens, and viruses adsorbed or adsorbed to fine grained particulates in the material may become biologically available to organisms either in the water column or through food chain processes. The introduction of nutrients or organic material to the water column can lead to a high biochemical oxygen demand which, in turn, can lead to reduced dissolved oxygen, thereby potentially affecting the survival of many aquatic organisms. In addition, increases in nutrients can alter conditions enough to favor one group of organisms such as polychaetes or algae to the detriment of other types. Increased turbidity can also reduce light penetration and lower the rate of photosynthesis and the primary productivity of an aquatic area (PFMC 1998b). More significant pollution events (e.g., accidental spills of fuels or lubricants) can have both acute and chronic effects on various fish life stages and prey items, including death, disease, behavioral abnormalities, and physiological malfunctions.

Temporary impacts to water and habitat quality resulting from implementation of the Proposed Action are not expected to result in any significant losses or degradation of estuarine EFH considering the short term nature of these impacts and the implementation of the avoidance and minimization measures outlined in Section 3. Potential adverse effects are expected to be localized and relatively short lived such that any temporary losses of habitat functions or values should be discountable (e.g., temporary increases in turbidity within tidally influenced waters, where suspended sediment loads are naturally high, are not expected to adversely affect estuarine EFH). Furthermore, the likelihood for occurrence of Pacific groundfish or coastal pelagic species in the marginal tidal areas that may potentially be affected by Proposed Action activities is relatively low. Therefore, the temporary impacts that may result from implementation of the Proposed Action are not likely to adversely affect estuarine EFH.

6.4 OPERATIONAL EFFECTS

Any potentially adverse effects to green sturgeon, green sturgeon critical habitat, and EFH would be restricted to construction activities and would therefore be temporary in nature. These potentially adverse effects would be avoided and minimized through implementation of the avoidance and minimization measures outlined in Section 3. Once operational, the Proposed Action would have no adverse effect on green sturgeon, green sturgeon critical habitat, or EFH. The removal of derelict creosote-treated piles and retaining structures within the streambed at the San Rafael Creek and unnamed drainage ditch trestle locations would serve as a long-term beneficial effect for focal species and habitats.

6.5 CUMULATIVE EFFECTS

Under the ESA, cumulative effects are those effects of future state, tribal, local, or private actions that are reasonably certain to occur within the action area of the federal action subject to consultation (50 Code of Federal Regulations [CFR] 402.2). Future federal actions that are unrelated to the Proposed Actions are not considered in this assessment because they require separate consultation pursuant to Section 7 of the ESA. However, the Proposed Action could contribute to cumulative effects when other non-Federal actions within the Action Area are

considered. The principle non-Federal actions that occur or are likely to occur within the Action Area and identified as being of concern include:

- ▶ The locally-funded SMART project, which is planned to ultimately provide passenger rail service from Downtown San Rafael Station northwards to Cloverdale in Sonoma County, California. To date, two phases have been designed, permitted and are under construction; IOS-1 North in Sonoma County, milepost (MP) 38.5 to MP 53.8 and IOS-1 South, which includes 17.72 miles of rail rehabilitation from Downtown San Rafael (MP 19.3) north to just south of the Petaluma River in Sonoma County (MP 37.02). The extension of rail service from Downtown San Rafael to Larkspur (the Proposed Action) would constitute an additional phase of the overall SMART project. Designs for the Proposed Action are currently underway and this BA is the result of impacts analyses based on the proposed designs. Similar to the IOS-1 North and South, the Proposed Action includes railway improvements which include removal and replacement of rail, ties, piles, prism ballast, and sub-ballast, and trestle replacement. In contrast to these similarities, the IOS-1 North and South segments contain largely rural habitats, whereas the Proposed Action is located in an exclusively urban setting.
- ▶ Water diversions by agriculture, municipalities, industry, and power generation;
- ▶ State or local levee maintenance requiring removal of vegetation and protection of river banks with large-sized revetment;
- ▶ Point and non-point source pollution from wastewater treatment plants, shipping and boating, and urban areas;
- ▶ Degradation of water quality through dumping of domestic and industrial garbage; and
- ▶ Increased urbanization leading to altered runoff patterns and increased inputs of contaminants.

The Proposed Action would not make a considerable contribution to adverse cumulative effects because:

- ▶ Effects and disturbances would be brief and temporary (approximately two weeks of construction);
- ▶ A very small section of watercourse channel and adjacent bank would be disturbed (approximately 0.39 acres);
- ▶ Construction activities would be restricted to low flow periods between July 1 and November 30; and
- ▶ Implementation of the avoidance and minimization measures in Section 3 would minimize potential temporary effects on special-status species, their critical habitat, and EFH that may result from implementation of the Proposed Action.

7 CONCLUSION AND DETERMINATION

This BA represents an assessment of the effects of the Proposed Action on the federally listed North American green sturgeon southern DPS and the species' designated critical habitat, Pacific groundfish EFH, and coastal pelagics EFH. The following conclusions and effect determinations were made based on the information presented in this BA.

7.1 EFFECTS TO GREEN STURGEON AND CRITICAL HABITAT

Suitable green sturgeon habitat is not present within the Action Area of San Rafael Creek and the unnamed drainage ditch. There is the possibility of green sturgeon entering the tidally influenced estuarine portions of San Rafael Bay/San Pablo Bay, proximal to the mouth of San Rafael Creek/San Rafael Canal, approximately 1.5 miles downstream from the Action Area. SMART would implement avoidance and minimization measures to reduce or eliminate the risk of take. The proposed in-water work would take place between July 1 and November 30 during low flow conditions to further reduce or eliminate take.

In-water construction activities would be restricted to removal of old, creosote treated wooden trestle piles in both watercourses, and sheet pile driving in the unnamed drainage ditch. Construction equipment would not enter watercourses during these activities. Small cofferdams would be constructed around each pile during removal activities. These small cofferdams would not affect the natural flow of San Rafael Creek and the unnamed drainage ditch and would have no effect on the natural behavior or foraging activities of fish that may be in the area. Construction activities could have temporary effects throughout the Action Area for a brief period of time (approximately two weeks) to green sturgeon critical habitat through sediment mobilization, increased turbidity, and accidental spills of fuels and lubricants. Avoidance and minimization measures would be implemented to limit these potential effects.

Permanent effects to green sturgeon and the species critical habitat are not expected from implementation of the Proposed Action. Measures would be implemented during construction activities to prevent and minimize impacts. BMPs would also be used to stabilize the Action Area and prevent sediments, fuels, and lubricants from reaching aquatic habitat.

7.2 EFFECTS TO ESSENTIAL FISH HABITAT

Potential effects from implementation of the Proposed Action to Pacific groundfish EFH and coastal pelagics EFH are identical to those described above. Potential effects to EFH would be temporary and last for a brief period of time (approximately two weeks). Permanent effects to EFH are not expected from implementation of the Proposed Action.

7.3 DETERMINATION OF EFFECT

The Proposed Action could have temporary effects to green sturgeon and the species critical habitat, Pacific groundfish EFH, and coastal pelagics EFH. Implementation of the Proposed Action would also have beneficial effects to focal species, associated habitat, and all other forms of aquatic life forms and habitat through the removal of creosote treated wooden trestle piles. Based on the proposed design criteria, the identified avoidance and minimization measures, and the effects analyses in this BA, implementation of the Proposed Action may affect but

is not likely to adversely affect southern DPS North American green sturgeon and designated critical habitat, Pacific groundfish EFH, and coastal pelagics EFH. A number of measures would be in place to eliminate or reduce effects including; 1) construction protocols designed to protect aquatic habitat; 2) measures designed to avoid and minimize potential effects; and 3) measures designed to stabilize disturbed areas following construction activities.

8 REFERENCES

8.1 LITERATURE CONSULTED

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8.2 PERSONAL COMMUNICATIONS

Logan, Dan. Fisheries Biologist. National Marine Fisheries Service. April 11, 2013—telephone conversation with AECOM fisheries biologist Steve Pagliughi during which Mr. Logan recommended that a letter be sent from the lead agency (FTA) requesting initiation of informal NMFS consultation and to delegate SMART the authority to work directly with NMFS regarding the Proposed Action.

Logan, Dan. Fisheries Biologist. National Marine Fisheries Service. April 14, 2013—email from Mr. Logan to AECOM fisheries biologist Steve Pagliughi with NMFS species list (see Appendix B), which advised that the following species and habitats be considered: 1) Distinct Population Segment of North American Green Sturgeon; 2) Critical Habitat Distinct Population Segment of North American Green Sturgeon; and 3) Essential Fish Habitat (EFH) for Pacific Groundfish and Coastal Pelagic fish species.

Stadler, John. Biologist. National Marine Fisheries Service. February 6, 2009—e-mail to Dave Buehler stating that thresholds for impact pile driving are likely much lower than the thresholds for non-impulsive, continuous sounds like that of vibratory drivers.

Stern, Gary. Supervisory Biologist. National Marine Fisheries Service. February 27, 2014—email to SMART's Chief Engineer, Bill Gamlen, that NMFS representatives would not be attending the site tour (see Appendix B) because "San Rafael Creek is a highly modified channel with little fish habitat value. There are no runs of salmonids in this creek. Thus, we are not concerned with the culvert design for a ditch that is tributary to San Rafael Creek."

APPENDIX A

Habitat Assessment – San Rafael Creek and Unnamed Drainage Ditch

INTRODUCTION

This habitat assessment is for the Sonoma-Marín Area Rail Transit (SMART) Larkspur Extension (Proposed Project), IOS-2 phase. The survey area roughly parallels Highway 101 and follows existing railroad tracks that cross over 2 waterways, San Rafael Creek and an unnamed drainage ditch. A fish habitat assessment of these waterways was conducted to investigate the potential for presence of special- status fish species and suitable habitat.

HISTORICAL BACKGROUND

The San Rafael Creek watershed comprises 11 square miles. Originating in the hills above Tamalpais Cemetery, San Rafael Creek flows through densely developed residential and industrialized areas before entering a man-made channel (San Rafael Canal) in the vicinity of Highway 101 amidst historically-filled wetlands. In the upper watershed, the stream corridor consists of short stretches of open stream channel, transitioning into underground culverts and trapezoidal open channels prior to entering San Rafael Canal and then San Rafael Bay at Pickleweed Park. Lower San Rafael Creek and San Rafael Canal are lined with marinas and other water-related industry.

Historically, the San Rafael Creek watershed was used for grazing and agriculture. By the late 1800s, San Rafael was a flourishing city accessed by train and ferry from San Francisco, and San Rafael Canal was important for early industry and as a recreation destination. In the early 1900s, San Rafael Canal was dredged near the Irwin Street Bridge to create the San Rafael Baths, pools 35 feet wide and 200 feet long. In 1928, the U.S. Army Corps of Engineers began widening and dredging the San Rafael Canal for navigation.

CHANGES TO WATERSHED PROCESSES

The streams of the San Rafael Creek watershed originate on the slopes of the San Rafael Hills and San Pedro Point and by the time they reach downtown San Rafael they are typical of highly urbanized creeks; low quality and highly disturbed habitat. Mahon Creek, Irwin Creek, Lincoln Creek, and Black Canyon are channelized and routed into underground culverts that occasionally are exposed to daylight. The reach of San Rafael Creek between B Street and Highway 101 is tidally influenced with wetlands bordering the channel downstream of Lindaro Street. The reach between B and Lindaro streets is straight and trapezoidal. Dense urban development on the former tidal wetlands has constricted San Rafael Creek and reduced its fluvial geomorphological capacity to maintain the channel and banks, resulting in sheet piling and other devices to prevent bank erosion. Downstream of Highway 101, the tidally influenced creek is contained within the San Rafael Canal. During low tide, fringe mudflats become exposed adjacent to the channel banks. The canal enters San Rafael Bay near Pickleweed Park.

SPECIES AND HABITAT TO BE CONSIDERED

Available information indicates the following listed species and critical habitat under the jurisdiction of NMFS may be affected by the Proposed Project:

- ▶ North American Green Sturgeon (*Acipenser medirostris*) southern Distinct Population Segment (DPS), Threatened (71 FR 17757; April 7, 2006); and
- ▶ North American Green southern DPS Critical habitat (74 FR 52300; October 9, 2009).

NORTH AMERICAN GREEN STURGEON SOUTHERN DPS

Southern DPS green sturgeon is federally listed as threatened under the ESA (71 FR 17757, April 7, 2006). Green sturgeon is a long-lived, slow-growing, and marine-oriented fish. Mature males range from 4.5 to 6.5 feet (1.4 m to 2 m) in fork length and do not mature until they are at least 15 years old, while mature females range from 5 to 7 feet (1.6 m to 2.2 m) in length and do not mature until they are at least 17 years old. Green sturgeon is anadromous, spawning in fresh water primarily in the Sacramento River and returning to San Francisco Bay and nearshore marine waters to feed and mature. Adults migrate considerable distances along the Pacific Coast and are thought to spawn in their natal stream every 2 to 5 years (Adams et al. 2007).

Adult and juvenile green sturgeon occur year-round in San Pablo Bay. Larval and juvenile green sturgeon (up to 10 months old) probably does not occur very frequently in San Pablo Bay because they typically over-winter in natal rivers. Juvenile green sturgeon reportedly occur in shallow water ranging from 3 to 8 feet (Radtke 1966), presumably moving to deeper, and more saline areas as they grow (EPIC et al. 2001). Rearing juveniles remain in freshwater for 1 to 4 years before returning to their marine environment (Beamesderfer and Webb 2002; EPIC et al. 2001). Juveniles in the Delta feed primarily on opossum shrimp and amphipods (Radtke 1966; Moyle 2002).

Critical Habitat

The Critical Habitat designation for the Southern DPS green sturgeon (Federal Register, Vol. 74, No. 195, Oct. 9, 2009) states that all tidally influenced waters of San Francisco and San Pablo Bay are included in the designation. PCEs for green sturgeon critical habitat in estuarine areas include: food resources, water flow, water quality, migratory corridor, water depth, and sediment quality. PCEs contain physical and biological features that are essential to the conservation of the species.

Essential Fish Habitat

The Action Area is located within an area identified as EFH for various life stages of fish species managed with the Pacific Groundfish Fishery Management Plan (FMP) and the Coastal Pelagic FMP. The Action Area is also within an area designated as Habitat Areas of Particular Concern (HAPC) for various federally-managed fish species within the Pacific Groundfish FMP. HAPCs are described in the regulations as subsets of EFH that are rare, particularly susceptible to human-induced degradation, especially ecologically important, or located in an environmentally stressed area. As defined in the Pacific Groundfish FMP, San Francisco Bay, including the tidal portions of the Action Area, is identified as estuary HAPC.

METHODS

The SMART track crossing over San Rafael Creek and the unnamed drainage ditch were surveyed on foot. Each waterway was examined and a preliminary assessment of the habitat was conducted. For this aquatic assessment, the waterway was examined for signs of tidal influence including type of emergent vegetation present, turbidity, water elevation, current, substrate characteristics, and, in the case of the unnamed drainage ditch, the presence of tidal flap gates that would prevent tidal flows from entering the channel from San Rafael Bay.

To evaluate the likely use of the Action Area (i.e., San Rafael Creek, and the unnamed drainage ditch, and San Pablo Bay adjacent to its confluence with San Rafael Creek) by green sturgeon, information on the life history of green

sturgeon, fish distribution information, and watershed information found at www.marinwatersheds.org, and aerial photographs of the project sites was reviewed.

RESULTS

SAN RAFAEL CREEK HABITAT TYPES

The watershed is highly urbanized, with small outcroppings of annual grasslands and oak-bay woodland. The upper watershed is ephemeral to intermittent during higher flow years and currently does not support fish populations due to a lack of habitat and perennial streamflow. Historically, the watershed likely supported steelhead and other fish species (CDFG 2008).

Though the channel is open and not restricted to underground culverts, non-native plants dominate the riparian zone, fragmented by urban development. Along the northern watershed boundary, Harry Barbier Park supports oak-bay and oak woodlands, grassy meadows, and coastal scrub and provides habitat connectivity in the northeast between the San Rafael and Gallinas Creek watersheds. In this area, Glenwood Creek supports threespine stickleback and few if any other fish species. Further to the northeast, the 140-acre Peacock Gap Golf and Country Club property supports a number of small freshwater ponds and a larger 13-acre tidal lagoon (Hydroikos Ltd. 2000). Areas of healthy, mature woodland habitats surround the club property.

The San Rafael Creek watershed supports a few special-status plants and animals, primarily in limited, highly fragmented marsh habitat along the Bay, including California clapper rail, San Pablo song sparrow, salt marsh harvest mouse, and common yellowthroat—all salt marsh adapted species. These isolated wetlands along the bay also provide habitat for migratory waterfowl, shorebirds, and wading birds. In 2007, four clapper rails and a number of other bird species were observed in Pickleweed Park. Marin western flax is present in the marshlands and Tiburon buckwheat occurs at higher elevations in Black Canyon (Harry Barbier Park). The tidal sloughs likely support estuarine fish, although there are no reports documenting their occurrence. AECOM biologists observed mosquitofish and other unidentified fish species during a recent site visit.

UNNAMED DRAINAGE DITCH

An artificial, unnamed drainage ditch is aligned immediately to the West of the SMART tracks and follows that alignment from the storm grate at Irwin Street to the SMART trestle crossing immediately after the unnamed ditch makes a 90 degree turn toward San Rafael Bay (to the East). Water entrained into the unnamed ditch in the vicinity of the Irwin Street storm grate is pumped out to the San Rafael Canal, along with other local drainage ditches. There is a flood control pump station where the unnamed ditch enters San Rafael Bay, through a one-way (bayward) tidal gate. Between that tidal gate and the SMART trestle crossing (at the 90 degree turn toward the bay), there is a very subtle change of gradient (i.e., a divide), with most of the water tending to move in a northerly direction towards the Irwin Street grate and subsequently pumped to the canal, as described above. On the other side of this divide, water movement tends toward the opposite direction (towards San Rafael Bay) flowing under the SMART trestle and then the HWY 101 freeway, and finally out to San Rafael Bay via the flood control pump station that operates during periods of high rainfall and high tide.

There is no direct connection (other than through the pumps and tidal gates) between the unnamed drainage ditch and the San Rafael Bay or the San Rafael Canal (lower San Rafael Creek). There are no fish present in the unnamed

drainage ditch, and the plant community along the banks consists almost entirely of non-native plant species, with very little overhanging riparian vegetation. The ditch is deeply incised almost certainly a result of historic trenching. Instream habitat consists of a silty substrate and no cover is present for fish or other aquatic resources, other than algal patches. In summary, the habitat value of this unnamed drainage ditch for aquatic resources is very low.

CONCLUSIONS

The existing condition of fish habitat in San Rafael Creek in the Action Area has been influenced by a long history of human disturbance including channel maintenance and flood control actions, industrial and urban development, and transportation development. Riparian corridors and instream structure have been reduced in San Rafael Creek and the unnamed drainage ditch resulting in warm water temperatures in the summer and fall. All of these factors degrade aquatic habitat and limit the quality of green sturgeon habitat in the Action Area.

Physical and biological conditions described as PCEs are generally not present in San Rafael Creek and are completely absent in the unnamed drainage ditch. The substrate in the San Rafael Creek Action Area is predominately mud and silt with small amounts of gravel. Although the Project Area on San Rafael Creek is brackish (except during storm events) and tidally influenced, the channel nearly dewateres in total flow during low tide stages which virtually precludes the availability of suitable green sturgeon habitat. Therefore, San Rafael Creek does not provide green sturgeon spawning, rearing, or foraging habitat. In addition, water quality is almost certainly degraded as determined by the presence of trash in the creek, as well as a proliferation of creosote pilings that are known to leech toxic contaminants. Adult and juvenile green sturgeon may be present in tidal portions of San Pablo Bay year-round. The Action Area includes that area of San Pablo Bay adjacent to the confluence with San Pablo Creek.

In summary, the SMART track crosses San Rafael Creek at its lower end where gradient is low, water temperatures are high, water quality is poor, and gravel substrates generally are absent. San Rafael Creek is considered very poor habitat for adult and juvenile green sturgeon. The same is true for the unnamed drainage ditch; in addition, fish are precluded from entering the ditch because of the presence of tidal gates and pumps.

San Rafael Creek is designated critical habitat for southern DPS green sturgeon. Habitat in San Rafael Creek is unsuitable for green sturgeon even though the creek is tidally influenced. When streams are unlikely to be utilized by green sturgeon because they lack the primary constituent elements for critical habitat, they may be eliminated from consideration as habitat through discussions with resource agencies. San Pablo Bay is also designated green sturgeon critical habitat, and those portions adjacent to the confluence with San Rafael Creek are within the Action Area. Project activities have the potential to affect green sturgeon critical habitat within San Pablo Bay.

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APPENDIX B

NMFS Species List Letter and Correspondence

Pagliughi, Steve

From: dan logan [dan.logan@noaa.gov]
Sent: Thursday, April 18, 2013 2:55 PM
To: Pagliughi, Steve
Cc: autumn.cleave@noaa.gov
Subject: RE: SMART San Rafael Creek - Request for Species List

Hi, Steve. Yes, it was nice chatting with you the other day.

Endangered Species Act (ESA)

Regarding the proposed bridge replacement project crossing San Rafael Creek just upstream of Hwy 101, available information indicates that the following listed species (Distinct Population Segments [DPS]) may occur in the project areas:

Southern Distinct Population Segment of North American Green Sturgeon (*Acipenser medirostris*)
threatened (71 FR 17757; April 7, 2006)
critical habitat (74 FR 52300; October 9, 2009)

The U.S. Fish and Wildlife Service (USFWS) may also have ESA-listed species or critical habitat under its jurisdiction in the project area. Please contact the USFWS, 2800 Cottage Way, W-2605, Sacramento, California 95825, or (916) 414-6600, or http://www.fws.gov/sacramento/es_species/Lists/es_species_lists-overview.htm regarding the presence of listed species or critical habitat under USFWS jurisdiction that might be affected by your project.

Magnuson Stevens Fishery Conservation and Management Act (MSFCMA)

The proposed project site is located within an area identified as Essential Fish Habitat (EFH) for various life stages of fish species managed with the following Fishery Management Plans (FMP) under the MSFCMA: **Pacific Groundfish FMP and Coastal Pelagics FMP**. Amendments to the MSFCMA in 1996 require Federal agencies to consult with NMFS regarding any action or proposed action that may adversely affect EFH for federally-managed fish species. For more information on EFH, see our website at "<http://swr.nmfs.noaa.gov>". Please send an EFH assessment to NMFS if the AGENCY determines that the action may adversely affect Essential Fish Habitat for any species in the FMPs listed above.

Dan

Daniel Logan
Fishery Biologist
NOAA's National Marine Fisheries Service
Protected Resources Division
777 Sonoma Avenue, Room 325
Santa Rosa, California 95404-6515

(707) 575-6053 – office
(707) 578-3435 – facsimile

From: Pagliughi, Steve [<mailto:Steve.Pagliughi@aecom.com>]
Sent: Thursday, April 11, 2013 11:16 AM
To: dan.logan@noaa.gov
Cc: Evans, Luke
Subject: SMART San Rafael Creek - Request for Species List

Dan:

Thanks for taking the time to speak with me this morning. As a follow up to our conversation I wanted to send this email as a request for a species list for our project area. The project area is San Rafael Creek just east of the intersection of Francisco Blvd. and 2nd St. in San Rafael. Please see attachment. Project activities will include upgrades and maintenance to the existing trestle structures.

You can provide the official list via email. If you need additional information just let me know. Thanks and talk with you soon.

Steve Pagliughi
Fisheries Biologist
AECOM, Sacramento
(916) 715-5929
steve.pagliughi@aecom.com

Evans, Luke (San Francisco)

Subject: Agency meeting priorities for NMFS

From: Gary Stern [<mailto:gary.stern@noaa.gov>]
Sent: Thursday, February 27, 2014 1:45 PM
To: Bill Gamlen
Cc: Allen, Leslie; Dan Logan; Bryan Matsumoto
Subject: Re: FW: Agency meeting priorities for NMFS

Hi Bill,

Thank you for this summary of upcoming projects and interagency meetings associated with the SMART project. I appreciate your efforts to include NMFS in project planning and design. I have reviewed the summaries of the four projects below and I offer a brief explanation regarding potential NMFS issues for each.

(1) San Rafael Creek is a highly modified channel with little fish habitat value. There are no runs of salmonids in this creek. Thus, we are not concerned with the culvert design for a ditch that is tributary to San Rafael Creek.

(2) Mira Monte Wetlands Project - We support the restoration of tidal wetlands and this sounds like a good project. There is considerable experience and expertise on this topic from other wetlands restoration programs in SF Bay. We trust you will have good guidance from CDFW, FWS and your consultant team to design this project. NMFS has rarely had issues with the design and construction of tidal wetland restoration projects around SF Bay.

(3) Maintenance activities along mainline track - this is likely limited to upland areas and will have no effect on habitat in waterways with NMFS listed fish.

(4) Pathways - Issues associated with new pathways are typically upland/terrestrial species (i.e., providing new access for dogs and cats to wildlife habitat). Bridge crossings associated with these pathways are not likely to raise issues for NMFS listed fish and their aquatic habitat if the project adopts standard best management practices for construction.

Unfortunately, our staff resources are in short supply. For the above reasons, NMFS elects not to be involved at this stage and we prefer to review the results of the draft biological assessments prepared by your consultants for the above SMART projects. If you have questions, I can be reached at 707-575-6060.

Gary Stern

On 2/25/2014 11:10 AM, Bill Gamlen wrote:

Hi Gary –

It was great to talk with you yesterday regarding the SMART Project and NOAA Marine Fisheries Service involvement. As discussed, SMART has several items that we would like NMFS to participate in a few interagency meetings with other agencies. Below are the upcoming agency meetings for SMART projects that NOAA Fisheries will be invited to participate in. The meetings are generally ranked in order of importance for SMART.

#1) Larkspur Extension technical assistance on San Rafael Creek design (field visit only) – not yet scheduled, needs to happen ASAP – March? April?

The project designers (AECOM) are considering design for trackwork and future pathways adjacent to a tidally influenced ditch that is tributary to San Rafael creek in Marin County. Before advancing their design, AECOM would like agency feedback on a potential design that would culvert a segment of this ditch. A site visit with NMFS is particularly important.

#2) Agency scoping meeting for Mira Monte Wetlands Project – probably won't be scheduled until Section 7 consultation is initiated - April?

SMART purchased this marina property at the border of Marin and Sonoma Counties to restore tidal marsh and tidal channels. This restoration project at the confluence of San Antonio Creek and the Petaluma River will provide wetlands and habitat mitigation for SMART's other construction projects. The restoration plan is undergoing environmental review and permitting this spring for construction this summer. An agency scoping meeting would most likely be held at an office where a presentation can be made, but a site visit could follow the meeting on the same day or a different day. Section 7 consultation will be initiated by USACE as lead agency through 404 permitting process.

#3) Maintenance of Way Environmental Compliance Plan – not yet scheduled, most likely in April
This plan will primarily address vegetation management, integrated pest management, and other maintenance tasks such as culvert replacements – along 50+ miles of mainline track in Sonoma and Marin Counties.

#4) Pathways permit/consultation strategy – already on schedule for mid-April
SMART is developing plans for constructing pathways along the SMART alignment for non-motorized use. The various pathway segments will have varied funding sources and are at varying stages of environmental review and design. SMART is requesting feedback from the regulatory agencies on the best strategy for permitting the pathways.

Once you have a chance to review these interagency meetings, please respond and let me know your availability.

I am available to discuss these in detail.

Sincerely,

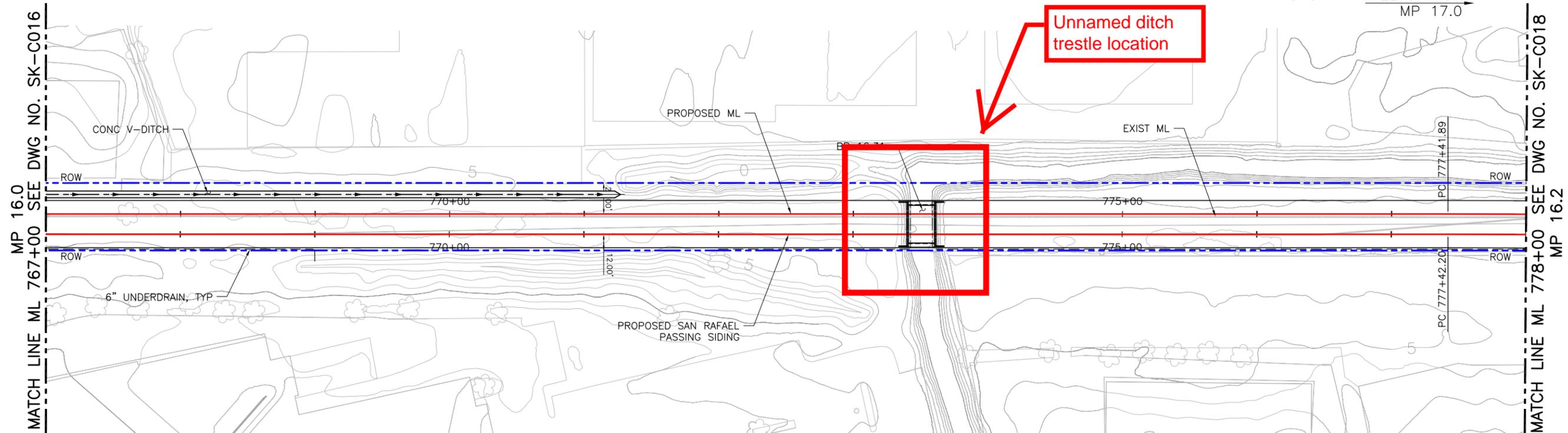
Bill Gamlen, P.E.
Chief Engineer
Sonoma-Marin Area Rail Transit District (SMART)
5401 Old Redwood Highway, Suite 200
Petaluma, CA 94954
(707) 794-3049



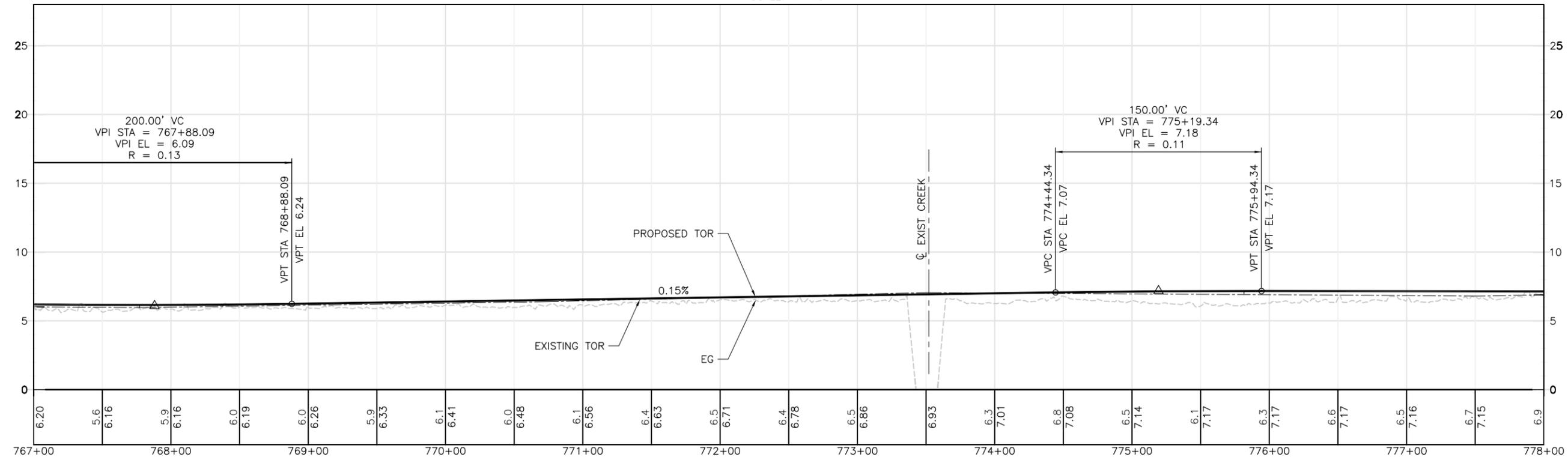
APPENDIX C

Rail Alignment Drawings

TO SAN RAFAEL STATION
MP 17.0



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' (H) 1"=4' (V)



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REV	DATE	BY	SUB	APR	DESCRIPTION

AECOM TRANSPORTATION
AECOM USA, Inc.
 2101 Webster St., Suite 1900
 Oakland, CA 94612
 T 510.622.6600 F 510.834.4303
 www.aecom.com

PREPARED BY
L. DIFUNTORUM
 DRAWN BY
L. DIFUNTORUM
 CHECKED BY
J. MAHER
 IN CHARGE
J. MAHER
 DATE
JUL 22, 2013

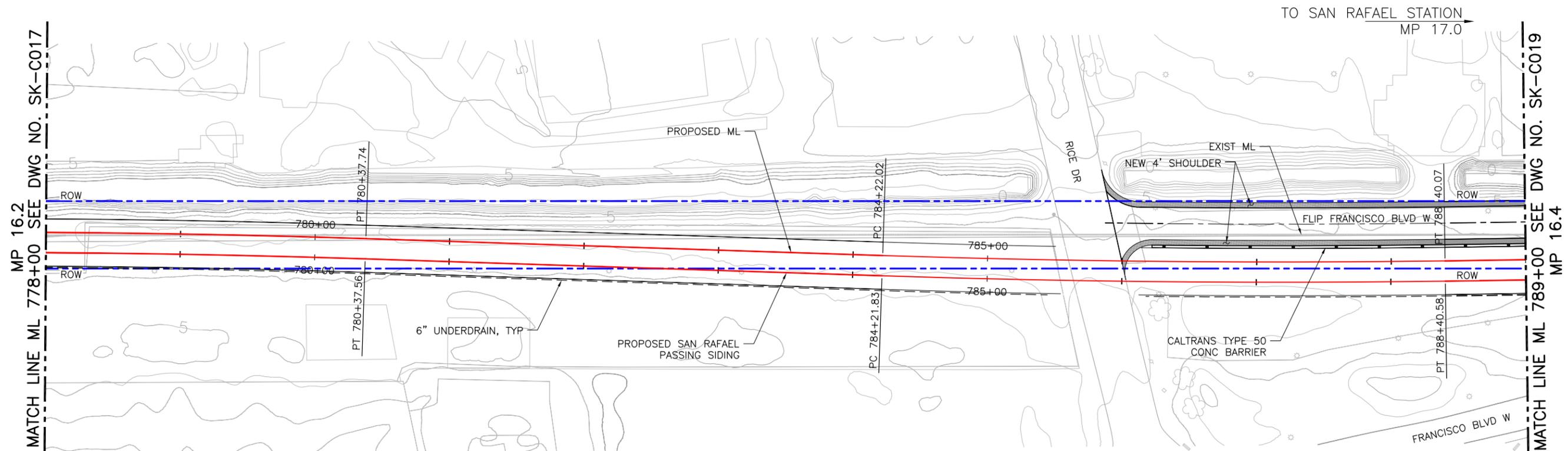
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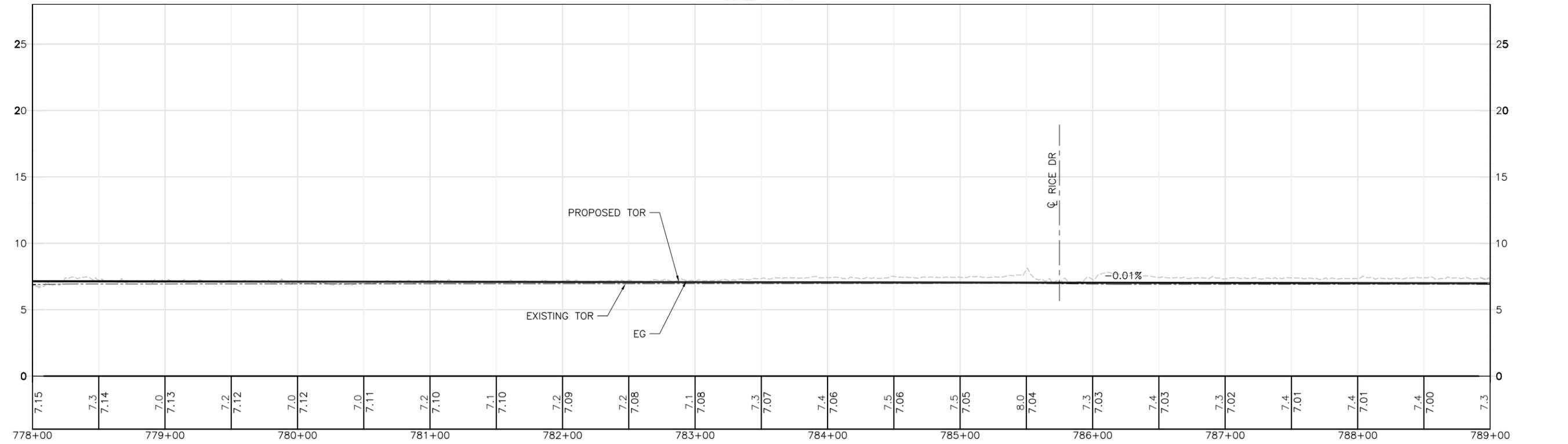
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J. MAHER
 IN CHARGE
J. MAHER
 DATE
JUL 22, 2013

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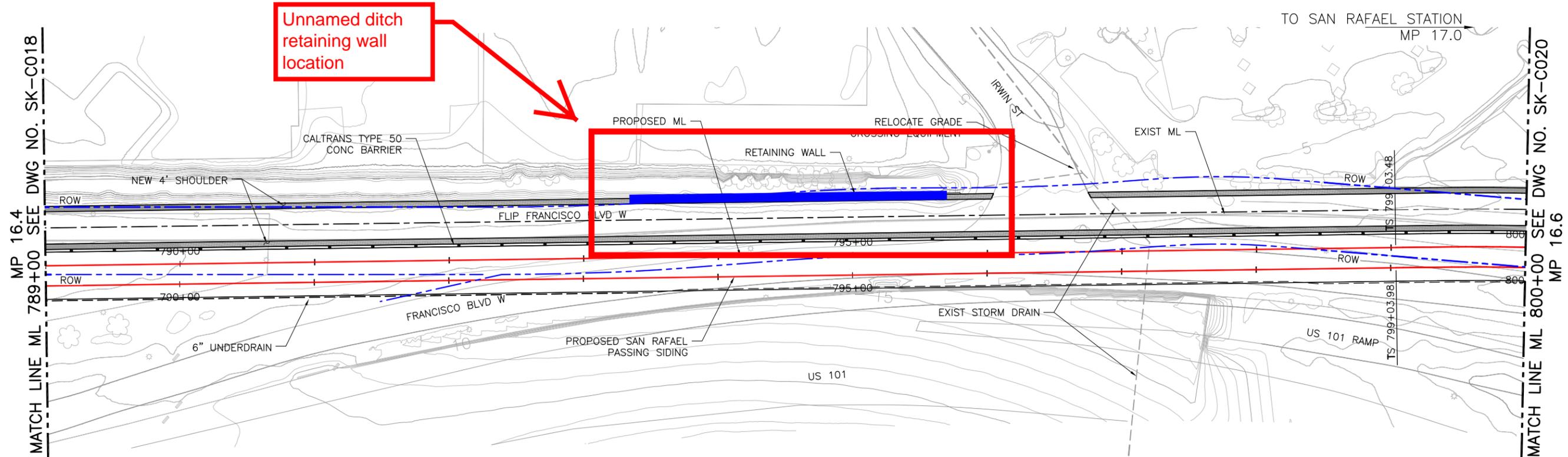


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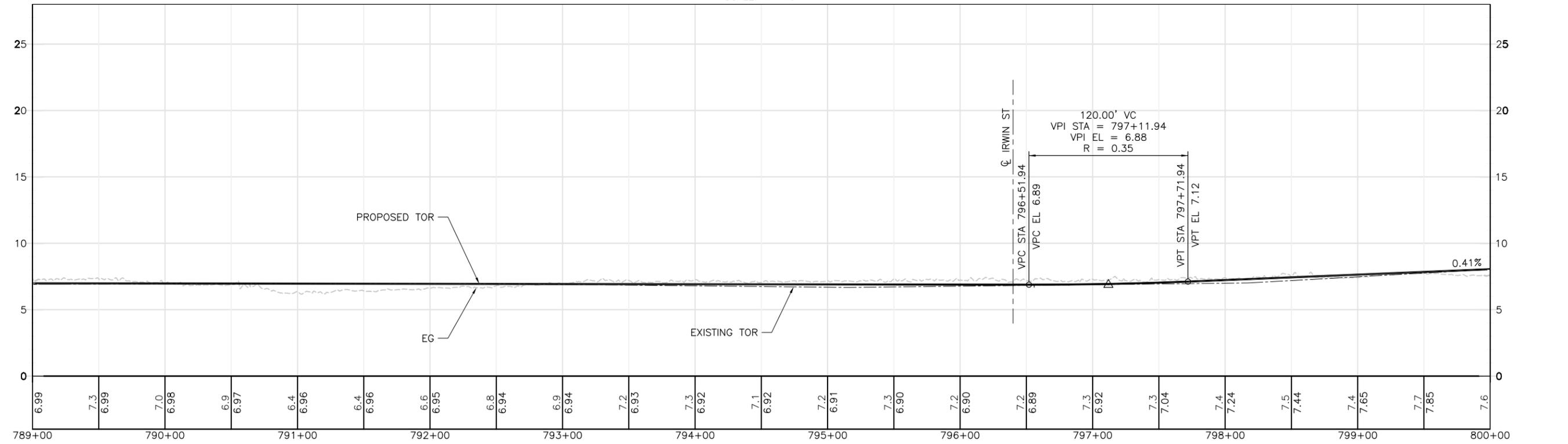
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PROFILE
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REV	DATE	BY	SUB	APR	DESCRIPTION

AECOM TRANSPORTATION
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L. DIFUNTORUM
 DRAWN BY
L. DIFUNTORUM
 CHECKED BY
J. MAHER
 IN CHARGE
J. MAHER
 DATE
JUL 22, 2013

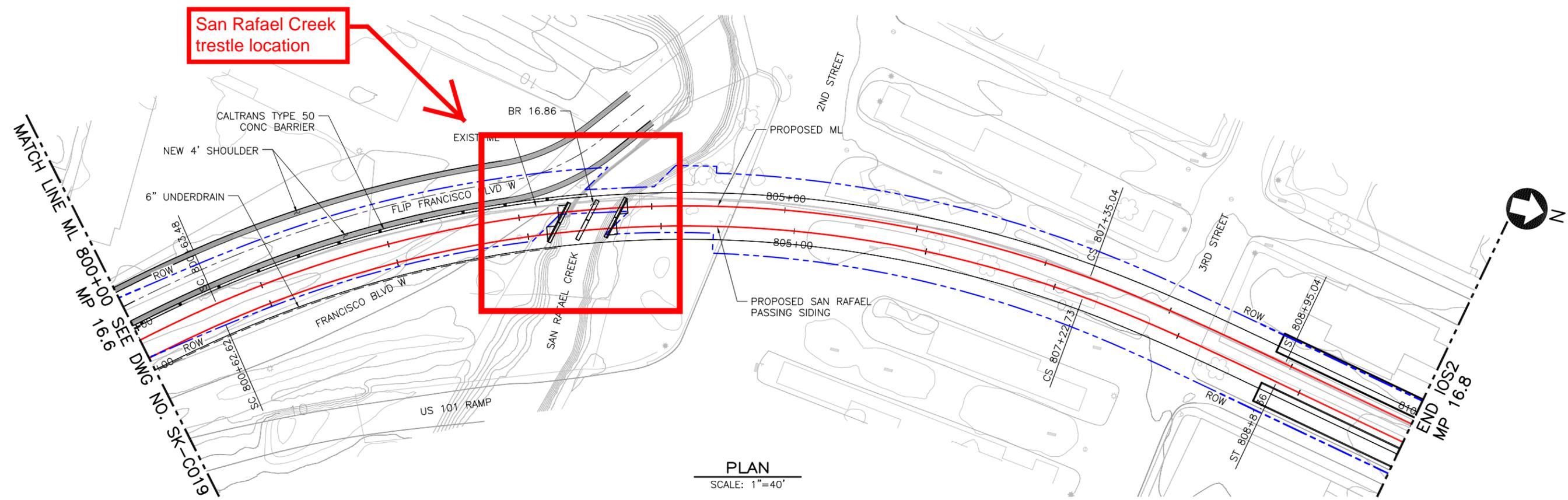
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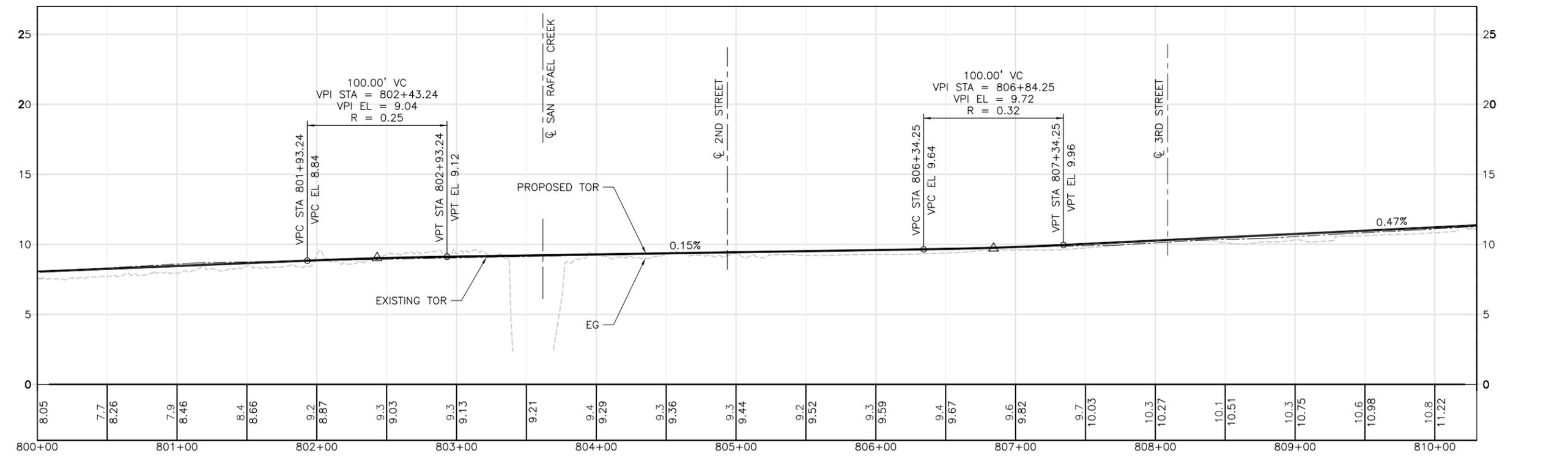
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PLAN
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PROFILE
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AECOM TRANSPORTATION
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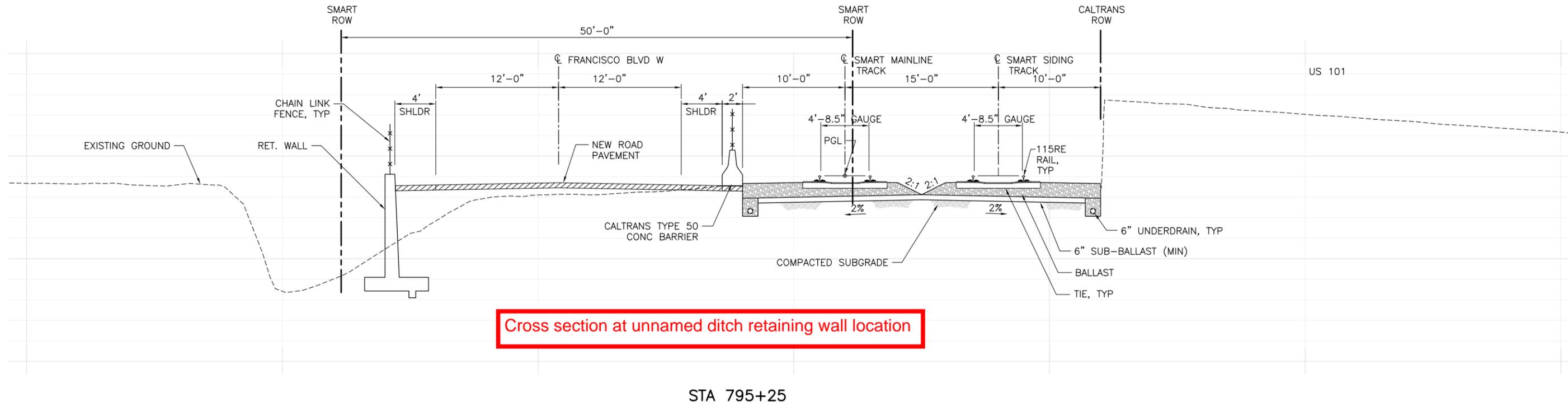
PREPARED BY
 L. DIFUNTORUM
 DRAWN BY
 L. DIFUNTORUM
 CHECKED BY
 J. MAHER
 IN CHARGE
 J. MAHER
 DATE
 JUL 22, 2013

PRELIMINARY NOT FOR CONSTRUCTION



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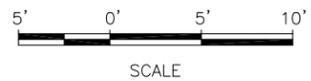
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Cross section at unnamed ditch retaining wall location

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DOUBLE TRACK SECTION



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IN CHARGE
J. MAHER

DATE
SEP 10, 2013

PRELIMINARY NOT FOR CONSTRUCTION



FRANCISCO BLVD WEST
FLIP ALIGNMENT
TRACK SECTION

SHEET

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APPENDIX D

Site Photos



Photo 1: Existing San Rafael Creek trestle looking downstream. This structure would be replaced as part of the Proposed Action. US-101 is in the background.



Photo 2: San Rafael Creek looking downstream from the existing trestle at high tide. The replacement trestle would be located in the immediate foreground area.



Photo 5: Existing trestle across unnamed drainage ditch between Rice Drive and Andersen Drive. This structure would be replaced as part of the Proposed Action.



Photo 6: Unnamed drainage ditch in vicinity of trestle shown in Photo 5. The existing trestle would be replaced as part of the Proposed Action.

APPENDIX C

Cultural Resources



Judy Arnold, Chair
Marin County Board of Supervisors

Barbara Pahre, Vice Chair
Golden Gate Bridge,
Highway/Transportation District

Jim Eddie
Golden Gate Bridge,
Highway/Transportation District

Debora Fudge
Sonoma County Mayors and
Councilmembers Association

Madeline Kellner
Transportation Authority of Marin

Jake Mackenzie
Sonoma Mayors and Councilmembers
Association

Stephanie Moulton-Peters
Marin Council of Mayors and
Councilmembers

Gary Phillips
Transportation Authority of Marin

David Rabbitt
Sonoma County Board of Supervisors

Carol Russell
Sonoma Mayors and Councilmembers
Association

Kathrin Sears
Marin County Board of Supervisors

Shirlee Zane
Sonoma County Board of Supervisors

Farhad Mansourian
General Manager

5401 Old Redwood Highway
Suite 200
Petaluma, CA 94954
Phone: 707-794-3330
Fax: 707-794-3037
www.sonomamarintrain.org

April 24, 2014

Carol Roland-Nawi, Ph.D
State Historic Preservation Officer
Office of Historic Preservation
California Department of Parks and Recreation
1725 23rd Street, Suite 100
Sacramento, CA 95816

**Re: Concurrence for the Sonoma-Marin Area Rail Transit Project,
Downtown San Rafael to Larkspur Segment, Marin County, California
(FTA_2013_0418_001)**

Dear Dr. Roland-Nawi:

Enclosed please find the Historic Architectural Survey Report and Archaeological Survey Report prepared for the proposed Sonoma-Marin Area Rail Transit (SMART) San Rafael to Larkspur Extension Project. The inventory reports include findings of effect analysis for the proposed project. SMART has determined that the proposed undertaking would have no adverse effect on historic properties within the area of potential effect (APE) in accordance with 36 CFR Part 800.4(d)(1). SMART is requesting your concurrence on this finding.

If you have questions, please contact me at (707) 285-8180.

Sincerely,

A handwritten signature in blue ink that reads "Hamid Shamsapour".

Hamid Shamsapour, P.E.
Project Manager

Enclosures: Historic Architectural Survey Report
Archaeological Survey Report

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896
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(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov
www.ohp.parks.ca.gov



May 14, 2014

Reply To: FTA_2013_0418_001

Hamid Shamsapour, P.E.
Project Manager, SMART
5401 Old Redwood Highway
Suite 200
Petaluma, CA 94954

Re: Section 106 Consultation for the Sonoma-Marin Area Rail Transit (SMART) Project,
Downtown San Rafael to Larkspur Segment, Marin County, CA

Dear Mr. Shamsapour:

Thank you for your letter of April 24, 2013 continuing consultation, on behalf of the Federal Transit Administration, for the above referenced undertaking in order to comply with Section 106 of the National Historic Preservation Act of 1966 and its implementing regulation at 36 CFR Part 800. SMART is requesting that I concur with the determination of no historic properties affected.

As I presently understand it, the undertaking is a passenger train and multi-use pathway project that will provide rail service along 70 miles of the Northwestern Pacific Railroad alignment. The current undertaking pertains to the two-mile extension from Downtown San Rafael to Larkspur, California. My office was previously consulted on the Area of Potential Effect (APE) for the project in July, 2013.

Included with your letter were the *Draft Cultural Resources Inventory and Evaluation Report for the Sonoma Marin Area Rapid Transit (SMART), Larkspur to San Rafael* and the *Historic Architectural Survey Report for the Sonoma-Marin Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project, Marin County, California*, both prepared by AECOM for SMART. Neither report identified any historic properties within the APE for the project.

Based on these reports, SMART has determined that the project will result in no historic properties affected. I concur with this determination.

I look forward to continuing consultation on this project with SMART and the FTA. Thank you for considering historic properties in your planning process. If you have any questions, please contact Kathleen Forrest of my staff at (916) 445-7022 or e-mail at kathleen.forrest@parks.ca.gov.

Sincerely,

A handwritten signature in black ink that reads "Carol Roland-Nawi, Ph.D.".

Carol Roland-Nawi, Ph.D.
State Historic Preservation Officer

Cc: Leslie Rogers, FTA

CONFIDENTIAL – NOT FOR PUBLIC CIRCULATION
Draft Cultural Resources Inventory and Evaluation Report for the
Sonoma Marin Area Rapid Transit (SMART)
Larkspur to San Rafael



Prepared by:

AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

April 2014

CONFIDENTIAL – NOT FOR PUBLIC CIRCULATION
Draft Cultural Resources Inventory and Evaluation Report for the
Sonoma Marin Area Rail Transit
Larkspur to San Rafael

Prepared for:

Sonoma Marin Area Rapid Transit (SMART)
5401 Old Redwood Highway, Suite 200
Petaluma, CA 94594



Prepared by:

AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

Contact:

Luke Evans
Project Manager
415-365-3236

April 2014

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ACRONYMS AND ABBREVIATIONS

APE	Area of Potential Effect
ARMR	Archaeological Resource Management Reports
CEQA	California Environmental Quality Act
CRHR	California Register of Historical Resources
federal	federal regulations
NAHC	Native American Heritage Commission
NWIC	Northwest Information Center
NRHP	National Register of Historic Places
PRC	Public Resources Code
state	state regulations

1 MANAGEMENT SUMMARY

Sonoma-Marín Area Rail Transit (SMART) proposes to create a commuter rail line utilizing the historic Northwestern Pacific Railroad tracks. This document summarizes the methods and results of a cultural resources investigation for SMART's proposed Larkspur-to-San Rafael segment (the project or the proposed project). In order to comply with regulatory requirements, AECOM has prepared an archaeological inventory of resources present within the project's Area of Potential Effects (APE). An aerial map depicting the project APE is presented in Appendix A.

The archaeological inventory report details the project description and delineation of the APE and gives a brief cultural context for the project area. Also included in this document are the research and field survey methods employed, results of the records search and pedestrian survey, and identification of potential impacts resulting from project implementation and recommendations.

The proposed project is subject to both State and Federal laws and regulations regarding cultural resources; this segment of the rail project was reviewed under the California Environmental Quality Act (CEQA) in a Final Environmental Impact Report that was certified in June 2006. The Federal Transit Administration (FTA) is the lead federal agency for this project, making the proposed project a federal undertaking and, therefore, subject to Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing guidelines found in 36 CFR Part 800. FTA having delegated Section 106 responsibilities to the SMART District, State Historic Preservation Office (SHPO) consultation has been initiated by the latter.

The purpose of the investigation was to identify any archaeological cultural resources that might be located within the project APE. The investigation included a records and literature search conducted at the North Central Information Center (NCIC), archival research pertaining to the history of the area, and a pedestrian survey of the project area. Native American consultation was initiated by AECOM on February 8, 2013. This document follows the California Office of Historic Preservation's *Archaeological Resource Management Reports (ARMR): Recommended Contents and Format* (1990).

The records and literature search conducted at the NWIC identified 21 previous investigations that encompassed a portion of the APE and four previously recorded cultural resources within the APE. An additional report from an associated project was provided by SMART.

Previously recorded resources include P-21-1015 (the Northwest Pacific Railroad Depot), P-21-2612 (a heavily modified Queen Anne Victorian structure), P-21-2834 (a portion of historic rail line), and P-21-2560 (a two-story Craftsman structure). These resources are discussed in a separate document. No previously reported archaeological resources were identified within the project APE by the record search, and none were identified during field survey.

2 PROJECT DESCRIPTION

The primary objective of SMART's proposed Larkspur-to-San Rafael project is to alleviate traffic congestion experienced by Marin County commuters, particularly during peak travel hours. This would improve local and regional travel and, by extension, improve mobility in the congested north-south U.S. Highway 101 corridor in Marin County, Sonoma County, and San Francisco. The proposed project is needed to better link Downtown San Rafael and the Larkspur Ferry Terminal.

The proposed project would include improvements within an existing railroad right-of-way. Since the proposed project would resume passenger rail service on an existing line, there would be no new use for the corridor, and effects on surrounding cultural resources are not anticipated. The proposed archaeological and architectural APE has been drawn to include the entire railroad right-of-way (ROW) between Downtown San Rafael and Larkspur.

The APE encompasses all construction and staging areas and any buildings or structures adjacent to those areas where potential project-related effects may occur. For the purpose of archaeological reconnaissance survey, the APE for the project was further defined as that area extending approximately 30 feet (9.1 meters) from the existing railway center line. At the proposed SMART station location the APE is expanded to include parcels adjacent to the proposed rail platform because new construction could visually and physically impact the historic integrity of nearby buildings or structures.

3 SETTING

3.1 CURRENT CONDITIONS AND NATURAL SETTING

The proposed project is located within the San Francisco Bay Region, an area marked by rolling hills and valleys and the bay shore. The large estuarine system contains as its predominant features San Pablo Bay, San Francisco Bay, Suisun Bay, and the Carquinez Strait, as well as multiple drainage channels (Moratto 2004:219). Extending northwards from Larkspur Landing, the project area is contained within an urban environment on the Marin Peninsula with San Francisco Bay to the south and San Pablo Bay to the east. The region's Mediterranean climate is marked by cool, wet winters and warm, dry summers (Garcia and Associates 2004a; Byrd 2009). Winters can produce a fair amount of rain but are largely frost free (Byrd 2009) and would have been conducive to year-round prehistoric habitation.

Intermittent rising and falling of sea water resulted in periodic filling of the San Francisco Bay, the most recent occurring within the past 10,000 years. Because of this, it can be inferred that adaptations to an estuarine-based subsistence economy occurred following the last flooding event. It can be further assumed that earlier coastal sites that may have been present in this region would lay submerged beneath sediment and sea water (Moratto 2004: 219-221).

Marking the boundary between the Northern and Southern Coast Ranges, the San Francisco Bay area can be divided into three primary vegetation zones (creek edges, coastal salt marshes, and coastal prairie) as well as lush stands of fir, pine, and redwoods. Creek edges contain arroyo willow (*Salix lasiolepis*), broadleaf cattail (*Typha latifolia*), and yellow willow (*Salix lasiandra*), among others. Native grasses present along the coastal prairie are Pacific reed grass (*Calamagrostis nutkanensis*), Pacific hairgrass (*Deschampsia holciformis*), and California bentgrass (*Agrostis californica*), while found in the coastal marshes are Pacific cordgrass (*Spartina foliosa*), pickleweed (*Salicornia virginica*), and salt grass (*Agrostis californicus*) (Byrd 2009). Many of the San Francisco Bay area marshlands, however, have been destroyed by land infilling and construction projects (Shafer 1988; Jones 1989; Garcia and Associates 2004a; Byrd 2009). Faunal sources would have included deer, elk, and smaller terrestrial mammalian species. Fish and shellfish would also have been collected from the multitude of streams, bays, and lagoons present in the region (Garcia and Associates 2004a; Moratto 2004).

The San Francisco Bay Area is rich in lithic materials suitable for multiple uses. Obsidian was available from the nearby Anadel and Napa Glass Mountain quarries, while outcrops and streambeds provided Franciscan chert. Asphaltum was readily available from Marin County sources, and hematite for pigment could be obtained from Alameda and Sonoma Counties. Additionally, schist for charmstones could be quarried from Contra Costa County. Other materials useful to the prehistoric toolkit, such as basalt, granite, sandstone, and steatite, were dispersed throughout the region (Garcia and Associates 2004a; Moratto 2004:221).

3.2 PREHISTORIC SETTING

Following Frederickson (1984) and Moratto (1984), a cultural chronology, based largely on discrete cultural traits observed in the stratigraphic sequence, has been developed for the San Francisco Bay Area. These periods include the Paleo-Indian, Lower Archaic, Middle Archaic, Upper Archaic, and Emergent Periods.

3.2.1 PALEO-INDIAN PERIOD (12,000 TO 8,000 BP)

The Paleo-Indian Period has been described in terms of big-game hunters occupying a multitude of environments. However, subsequent data have illustrated that California's Paleo-Indians practiced varied resource exploitation (not just large mammals) and also may have been adept at seafaring (Arnold and Walsh 2010:20–21). Although this period is primarily marked by a generalized tool kit, (chopping tools, core bifaces, and scrapers), more specialized tools (drills, fluted projectile points, and gravers) have been noted from later sites of the period (Chartkoff and Chartkoff 1984: 43). Paleo-Indian sites in California consist of workshops, occupation sites, burials, butcher sites, and isolated finds (Chartkoff and Chartkoff 1984). No sites dating to the Paleo-Indian Period have been identified in Marin County to date.

3.2.2 THE ARCHAIC PERIOD

Although the early years of the Archaic Period are not easily discernible from the preceding Paleo-Indian Period, certain themes began to emerge. These include the utilization of new ecological niches, specialized technologies and tool kits, and diffuse economies. Archaic groups were highly mobile and practiced seasonal migration. In addition to multiple new tool types and ground stone technology, ritual objects and personal ornamentation developed during the Archaic Period. The period can be further subdivided into the Lower, Middle, and Upper Archaic Periods (Chartkoff and Chartkoff 1984).

LOWER ARCHAIC (8,000 TO 5,000 BP)

The Lower Archaic Period consisted of a few inland sites containing considerable numbers of milling tools, as well chert and obsidian bifaces. Larger projectile points and crescents were replaced by wide-stemmed points, and the early part of the Lower Archaic is marked by still high residential mobility with temporary sites located in higher mountain elevations and adjacent to river banks. Artifacts include groundstone slabs, large bifacial knives, scraping tools, core-cobble tools, and large-stemmed projectile points. Sites dating to this period are particularly susceptible to private collecting and “questionable provenance” (Arnold and Walsh 2010:94), and they may be underrepresented in the cultural sequence. Scant evidence has been found that points to any human presence in the San Francisco Bay Area before 4,000 years ago, and it is likely that such occupation sites have been inundated by rising sea levels. No sites attributed to the Lower Archaic have been identified in Marin County (Garcia and Associates 2004a, Arnold and Walsh 2010).

3.2.3 MIDDLE ARCHAIC PERIOD (5,000 TO 3,000 BP)

The Middle Archaic Period was a continuation of the warming trend that began in the Early Archaic. During this time, oaks thrived, and acorn exploitation flourished. Broad regional subsistence patterns gave way to more intensive procurement practices, and economies became more diversified. Although acorns were an abundant resource, they are labor intensive and likely remained a secondary resource. Middle Archaic sites are marked by increasing quantities of stone milling tools. As the Middle Archaic continued, concave-based, lanceolate, and side-notched forms replaced the wide-stemmed points of the Early archaic (Garcia and Associates 2004a, Arnold and Walsh 2010). During the Borax Lake Pattern (5,000 – 3,000 B.P.) of this period, a variety of tool forms were present, including concave-based, lanceolate, and side-notched types, as well as blades and burins. As populations increased, groups were occupying more diverse settings but still clustered primarily around major waterways (Arnold and Walsh 2010). Trade networks with local partners were likely active, as well (Chartkoff and Chartkoff 1984).

3.2.4 UPPER ARCHAIC PERIOD

During the Upper Archaic, status distinctions and other indicators of socio-political complexity developed. Complex exchange systems were formalized, and regular, sustained trade between groups was practiced. The

Berkeley Pattern (4,000 to 2,500 B.P., overlapping portions of the Middle and Lower Archaic) is noted by the presence and expansion of large mound sites located on the Bay shores (Arnold and Walsh 2010). This was a time of a still-increasing use of acorns as food source with mortars and pestles observed in the archaeological assemblage, but nearly no manos or metates (Arnold and Walsh 2010). Distinctive stone and shell artifacts differ from earlier cultural manifestations, and burials were primarily placed in flexed positions and often included red ochre. In Marin, the oldest sites attributable to this pattern are north of San Rafael (CA-MRN-152) and at De Silva Island (CA-MRN-17) (Garcia and Associates 2004a).

3.2.5 THE EMERGENT PERIOD (1,300 TO 200 BP)

The Emergent Period was a time of both technological and social changes. Territorial boundaries between groups become more defined, and it was increasingly common for an individual's social status to be linked with acquired, personal wealth. During the latter portion of the period (500 to 200 B.P.) sophisticated exchange relations were regularized with specialists governing the various aspects of production and exchange. The clamshell disk bead as a monetary unit developed during the late Emergent Period. The Augustine Pattern (1,300 to 200 B.P.) of this period reflected intensive food procurement strategies supporting a population increase. Inter-group trade activities gained in importance, and intensive fishing and hunting practices as well as complex, regular exchange systems are hallmarks of this period. A wide variety of mortuary practices have also been noted (Garcia and Associates 2004a).

3.3 ETHNOGRAPHY

The project APE is located in the traditional territory of the Coast Miwok, which extended from Duncan's Point to Bodega Bay in the north, to San Pablo Bay in the south, as well as inland to the Napa River. The Coast Miwok spoke a California Penutian language and are linguistically closely related to the Lake Miwok (Byrd 2009). Villages were often settled around water courses (not just coastal areas), and ethnographic Miwok villages have been identified near Cotati and Petaluma (Byrd 2009; Kelly 1978; Garcia and Associates 2004a).

Village life was the center of Coast Miwok political organization. Villages included residential structures, sweathouses, and dance houses and were presided over by a non-hereditary chief. Residential dwellings could house from six to ten individuals and had a central stone hearth in the interior with a smoke hole in the roof. Sweathouses were partially subterranean and recessed into the ground by approximately five feet. The building was supported by a framework of poles with brush and earth covering. Dance houses were constructed much like the sweat lodges and were locations where gender-specific secret societies performed (Byrd 2009; Kelly 1978; Garcia and Associates 2004a).

Coast Miwok subsistence was supported by resources obtained from both inland and coastal environments. Acorns were a dominant staple, but other plant items exploited include buckeye, greens, and kelp. Terrestrial foodstuffs were bears, deer, elk, gopher, and rabbit, and water-borne resources include clams, crab, eels, and mussels (Kelly 1978; Garcia and Associates 2004a).

3.4 HISTORIC PERIOD CONTEXT

3.4.1 REGIONAL HISTORY

Although it is believed that Juan Rodriguez Cabrillo was the first European explorer to sail to the Oregon border (Garcia and Associates 2004a), the earliest documented Euro-American expeditions into the San Francisco Bay region occurred in 1776 with the settlement of the Mission San Francisco de Asis and the Presidio of San Francisco. As control of California transferred from Spain to Mexico, more generous quantities of land were granted for individual ranchos, and the mission system lost much of its stronghold on California land holdings.

By the time the Mexican War in California ended in 1847, over 100,000 indigenous inhabitants and 14,000 people of both Mexican and European descent were present in California. As the American Period began, (circa 1846), agriculture was the primary economic focus (Byrd 2009). However, as the 1849 gold discovery led to a regional population growth, supply centers grew to meet demands (principally in building materials) (DeGeorgey 2010a). As such, overland routes particularly rail travel, rose in importance as early as the 1860s.

3.4.2 RAIL HISTORY

In 1870 the first standard gauge rail was constructed by the San Rafael and San Quentin Railroad Company (SR &SQ). This line was used primarily as a connector service to the San Francisco ferryboat that left from Point San Quentin (DeGeorgey 2010a). Although it allowed Marin County residents to access the commerce center of San Francisco, it did not enable those residents to take advantage of opportunities in the timber, cattle, and dairy industries located further north. To meet this need, the North Pacific Coast (NPC) was founded in 1874, and soon (1879) a third route was established by the Santa Fe and Northern Pacific Railroad (Garcia and Associates 2004a). By around 1900, approximately 40 additional short rail lines were operating in Marin County, and by 1906, these were all purchased by the Santa Fe and Northern Pacific Railroad. By 1907, this too, had been purchased by the Northwestern Pacific Railroad (Garcia and Associates 2004a; DeGeorgey 2010a).

Although the Northwestern Pacific Railroad regularly connected Bay Area residents to the economic and recreational opportunities of the North Bay, passenger service steadily declined after the 1930s. The line was particularly hard hit during the Great Depression and was largely appropriated to support the later WWII supply transport needs. Personal automobiles became the transportation method of choice by many Marin County residents from the 1950s onward (Garcia and Associates 2004a). Today, much of the old railroad line lies beneath or has been incorporated into city streets and parking lots.

3.5 REGULATORY SETTING

The proposed project is subject to both federal and state regulations regarding historic (federal) and historical (state) properties. In short, federal historic properties are those resources either listed in or eligible for listing in the NRHP while state historical properties are those resources listed or eligible for listing in the CRHR. More detailed information for federal and state regulations follow.

3.5.1 SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT OF 1966

The project is partially under the jurisdiction of the FTA and thus is subject to the requirements of Section 106 of the NHPA and its implementing regulations (Title 36 Code of Federal Regulations [CFR], Part 800 [36 CFR 800], as amended). Section 106 requires federal agencies to consider the effects of their undertakings, or those they fund or permit, on properties that are listed on or eligible for inclusion on the NRHP. The 36 CFR 60.4 regulations describe the criteria to evaluate cultural resources for inclusion in the NRHP. Cultural resources can be significant on the federal, state, or local level and such resources are required to retain integrity as well as exhibit an association with broad patterns of our history, be associated with an important person, embody a distinctive characteristic, or yield information important to prehistory or history.

FEDERAL SIGNIFICANCE CRITERIA

Regulations found in Title 36 CFR Part 60.4 present the criteria for evaluating a resource's significance for listing in the NRHP. Resources are considered eligible for listing in the NRHP if they meet at least one of four (a-d) significance criteria, retain integrity, and are at least 50 years old. In rare instances, a resource less than 50 years old may be considered eligible for listing if they are of exceptional importance. The criteria for determining eligibility are:

The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association in order to convey that significance, and:

- A) that are associated with events that have made a significant contribution to the broad patterns of our history; or
- B) that are associated with the lives of significant persons in our past; or
- C) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D) that have yielded, or are likely to yield, information important in prehistory or history.

4 RESEARCH DESIGN AND METHODS

As a Cultural Resources Inventory and Evaluation Report for the SMART project was completed in 2004, the goal of this survey was to update the project record with any new information or previously unidentified data. The landscape within the APE has been heavily modified for residential and commercial, as well as recreational, use and much of the survey area was either disturbed or lay beneath fill. Methods of investigation for the project included a records and literature search at the NCIC, Native American consultation, and a pedestrian survey of the proposed project area. Due to the highly disturbed context of the project corridor, subsurface investigative methods would not have been fruitful and were not employed.

4.1 NWIC RECORDS AND LITERATURE SEARCH

AECOM conducted a records and literature search for the project at the NWIC on the 11th of February, 2013. The search area was defined as encompassing the APE and a 1/2-mile surrounding area. AECOM also reviewed in-house material regarding cultural resources for the area. In addition to base maps indicating previously conducted investigations and previously recorded cultural resources, the following sources were reviewed at the NWIC:

- ▶ Office of Historic Preservation Historic Property Data File (2011)
- ▶ Determination of Eligibility (2011)
- ▶ NRHP/CRHR listing (2006 and updates)
- ▶ California Inventory of Historic Resources (1976)
- ▶ California State Historical Landmarks (1996)

Review of the above listed sources did not identify any cultural resources within the APE.

The NWIC records and literature search identified 21 previous investigations conducted within 1/2-mile of the APE, including the previous SMART cultural resources study, resulting in 100 percent of the project APE having been previously studied. These investigations are summarized in Table 1. The studies were conducted between 1974 and 2011, with the most recent occurring after 2003. Methods employed during these surveys included archival research and records reviews, surface reconnaissance and pedestrian surveys, historic property inventories and evaluation, feasibility studies, and limited subsurface archaeological testing.

Table 1
Previous Investigations within 1/2-Mile of the APE

NWIC Report #	Title	Year	Author(s)
6424	<i>Archaeological Resources Evaluation for the Central Marin Sanitation Wastewater Transportation Facilities Improvement Project – Phase II, Marin County, California</i>	1984	David Chavez
9907	<i>Archaeological Survey of Landmark Plaza (former Victorian Station Restaurant, 17 E. Sir Francis Drake Boulevard, Larkspur, California</i>	1988	Teresa Miller Saltzman (Archaeological Resource Service)
9125	<i>Preliminary Cultural Resources Assessment for Planned Modification and Maintenance of San Rafael Creek in the Town of San Rafael, Marin County, California</i>	1987	Allan Bramlette
10760	<i>Archaeological Survey Report for the Marin HOV Gap Closure City of San Rafael, Marin County, California</i>	1989	Terry Jones (Caltrans, District 4)
16949	<i>A Cultural Resources Evaluation of a Proposed Reclaimed Pipeline in the San Quentin Point, Corte Madera, Larkspur, Kentfield and San Rafael Areas</i>	1991	Eric McGuire (Marin Municipal Water District)
22013	<i>Results of Archaeological Monitoring at the Marin Recycling Center, Jacoby Street, San Rafael, California</i>	1996	Carol Whitmire (Archaeological Resource Service)
22086	<i>Cultural Resource Record Search and Literature Review for Stations, Sidings, and Bridges on the Northwestern Pacific Railroad, Between Cloverdale and Larkspur, Sonoma and Marin Counties</i>	1999	Anthropological Studies Center
27664	<i>Historic Structures Evaluation of 1103 Lincoln Avenue, San Rafael</i>	2003	Cassandra Chattan (Archaeological Resource Service)
31163	<i>An archaeological and Paleontological Resources Study for the Lincoln and Mission residential Condominium Project, San Rafael, Marin County, California</i>	2006	LSA Associates
30316	<i>A Cultural Resources Evaluation of the Proposed Best Buy San Rafael, 632 Irwin Avenue, San Rafael, Marin County, California</i>	2005	Cassandra Chattan (Archaeological Resource Service)
31737	<i>Archaeological Resources Technical Report for the Sonoma Marin Area Rail Transit (SMART) Project, Sonoma and Marin Counties, California</i>	2004	Garcia and Associates
33646	<i>Transportation Authority of Marin, Highway 101 Greenbrae Corridor Cultural Resources Feasibility Study</i>	2007	Brian Byrd (Far Western Anthropological Research Group, Inc.)
35514	<i>Historic Property Survey Report for the Marin HOV Gap Closure, City of San Rafael, Marin County, California</i>	2008	Caltrans, District 4
36070	<i>Central Marin Ferry Connection Project, Marin County, California Archaeological Survey Report</i>	2009	Brian Byrd (Far Western Anthropological Research Group, Inc.)
36941	<i>Negative Archaeological Survey Report of the Puerto Suello to Transit Center Connection Project (04-MRN00-SRF), City of San Rafael, Marin County, California</i>	2010	Alex DeGeorgey (North Coast Resource Management)
37429	<i>A Cultural Resources Evaluation of the Marin Sanitary Service Parcel, Jacoby Street, San Rafael, Marin County, California</i>	2010	William Roop (Archaeological Resource Service)
37826	<i>Archaeological Survey Report for the Central Marin Ferry Connection Project, Larkspur, Marin County, California</i>	2010	Brian Byrd and Michael Darcangelo (Far Western Anthropological Research Group, Inc.)

Table 1			
Previous Investigations within 1/2-Mile of the APE			
NWIC Report #	Title	Year	Author(s)
37827	<i>Extended Phase I Subsurface Geoarchaeological Investigation Report for the Central Marin Ferry Connection Project, Larkspur, Marin County, California</i>	2011	Philip Kajankoski and Jack Meye (Far Western Anthropological Research Group, Inc.)
38714	Historic Property Survey Report for Federal Aid Project No NMTPL 5043(023)	2011(?)	Caltrans District 4
38999	<i>Archaeological Survey Report for the US 101/Route 580 Twin Cities Greenbrae Corridor Improvement Project, Larkspur and Corte Madera, Marin County, California</i>	2011	Brian Byrd (Far Western Anthropological Research Group, Inc.)

The records and literature search also identified four previously recorded cultural resources within the proposed project APE. These recorded resources are historic structures dating to the late 1800s and are discussed below. No archaeological resources within the APE were identified during the records search.

P-21-1015

Constructed in 1929, the Northwest Pacific Railroad Depot is a one story stucco Mission Revival style building located on Tamalpais Street between 3rd and 4th Streets. It contains a gabled pavilion with red tile roof and copper gutters. Bell tower parapets, prominent arch, and flanking pilasters mark the façade. The depot was constructed in 1929 and remained active until 1974 when passenger service ended. It replaced an earlier shed structure (constructed in 1890) that acted as the train's early depot (Simons 1973).

P-21-2834

This portion of the Santa Fe and Northern Pacific Railroad is located at the intersection of 4th Street and Tamalpais Avenue. The standard gauge track was originally constructed circa 1879 as a local rail line and crosses perpendicular to 4th Street. It connected the cities of Petaluma and San Rafael via the Porto Suello Tunnel and, although 4th Street has since been paved over the ties of the track, the rails are still exposed and presently visible. By 1906, the Santa Fe and Northern Pacific Railroad had been subsumed into the Southern Pacific and Santa Fe Railroads, and by 1907 it, along with 40 other small Marin County rail lines, had been consolidated into the Northwestern Pacific Railroad. All Northwestern Pacific Railroad lines were abandoned in the area by 1930 (DeGeorgey2010b).

P-21-2612

Located at the southwest corner of the intersection of Tamalpais and 4th Street, Resource P-21-2612 is a heavily modified commercial Queen Anne Victorian. It is a combined residential/commercial structure built in 1898. The building is stucco-clad with flat roof and heavy overhang underscored with dentils. The second story has a round tower with a series of aluminum single-hung windows, and an aluminum frame bay window. The second story west elevation shows evidence of successive additions of unknown construction. Other than some mature deciduous trees, the surrounding landscape consists primarily of concrete sidewalks (Garcia and Associates 2004b).

P-21-2560

Located at the intersection of 5th Street and Lincoln Avenue, this structure is a two story Craftsman style apartment building with 12 units and two detached garages. Constructed in 1929, a portion of the property is

located on what was once Mission San Rafael Archangel (between the late 1700s and 1830s). After that, the area was part of the Mexican-era land grant to San Pedro, Santa Margarita Y Las Gallinas and was later left to Timothy Murphy (1844). It was after Murphy's ownership that the property was subdivided and the City of San Rafael was created around the Mission structures. Sanborn Fire insurance maps indicate that a single family dwelling and associated outbuildings (shed and outhouse) were present on the property in 1887 and, with the exception of a front porch, remained unchanged in 1894. By 1907 the initial house had been removed, the lot split, and the San Rafael Cottage Hospital (with octagonal tower) constructed. As of 1924, the hospital was removed and the present apartment structure was erected (Chattan 2003)

4.2 CONSULTATION

4.2.1 NATIVE AMERICAN

On February 8, 2013, correspondence with the NAHC was initiated. A search of the Sacred Land Files did not indicate any such properties within or adjacent to the project area. The NAHC recommended contacting representatives for the Federated Indians of the Graton Rancheria and Ya-Ka-Ama regarding any concerns that they may have about the proposed project. Consultation letters were sent to these individuals on March 19, 2013; as of the publication of this document no Native American representatives have responded to the consultation letters.

4.3 PEDESTRIAN SURVEY

4.3.1 ARCHAEOLOGY

The project APE consisted of approximately 1.9 linear miles following the abandoned Northern Pacific rail line. In February 2013, two AECOM archaeologists conducted a systematic pedestrian survey of the project corridor. Two transects were placed on either side of the rail line and allowed for a visual inspection of approximately 30 feet from the project center line. A GPS-enabled handheld unit was loaded with an aerial map of the area indicating the project APE. This insured that transects were properly spaced and that no portion of the APE was overlooked. Aerial and topographic maps indicating the APE were also used during the survey.

The southernmost terminus of the APE contained pooled water, vegetation, and wooden debris, and resulted in poor ground surface visibility. Visibility continued to be extremely poor with thick vegetation and reeds, although the rail line could still be observed. Moving northward, it was noted that the entire project corridor has been the subject of intense development. Portions of the project area extend through parking lots, residential neighborhoods, and a newly renovated tunnel. In general, the project APE is in an area that has been heavily developed, and the survey area is mostly characterized by artificial surfaces, such as pavement and fill. No archaeological resources were identified during the pedestrian survey. Representative photographs of the APE are provided in Appendix B.

4.3.2 BUILT ENVIRONMENT

The built environment is being addressed in a separate document being produced by AECOM.

5 FINDINGS

5.1 ARCHAEOLOGY

The NWIC records search did not identify any previously recorded archaeological resources within the APE. During the pedestrian survey, it was observed that visibility within the APE was generally poor, with most areas being completely obscured by pavement. As such, no unrecorded cultural resources were identified during the AECOM-conducted survey. It was also observed that the vicinity has been the subject of multiple construction episodes, and any previously undocumented resources that may have existed have since been destroyed by construction-related activities or lay beneath fill.

6 MANAGEMENT CONSIDERATIONS AND RECOMMENDATIONS

6.1 ARCHAEOLOGY

The investigation did not identify any previously unrecorded archaeological sites within the project APE. Landscape changes resulting from residential, business, and recreation/transportation development make it likely that, if such resources were ever located within the APE, they have since been destroyed.

There still remains the remote possibility of buried archaeological deposits being present within areas that could be adversely affected by the proposed project. If, during project related ground-disturbing activities, subsurface archaeological resources are encountered, it is recommended that all ground-disturbing activities be halted within 100 feet (30 meters) and SMART personnel notified. At that point, SMART should hire a qualified archaeologist to assess the significance of the find and recommend further investigation, if necessary.

If human remains, including disarticulated or cremated remains, are encountered during project related construction activities, all ground-disturbing activities within 100 feet (30 meters) of the find should be halted. PRC Section 5097.98 and Section 7050.5 of California's Health and Safety Code require that the county coroner be immediately notified when human remains are identified. SMART should also be immediately notified. If the county coroner determines that the remains are Native American, the NAHC must be contacted within 24 hours. At that point, a qualified archaeologist with Native American burial experience should be hired to conduct an investigation of the human remains and consult with the Most Likely Descendent, if any, identified by the NAHC regarding excavation and removal of the human remains. SMART should be responsible for approval of recommended investigation and action taking into account state law as presented in CEQA Guidelines 15064.5(e) and Public Resources Code 5097.98. All mitigation regarding the human remains should be implemented prior to resumption of ground-disturbing activities within 100 feet (30 meters) of the human remains.

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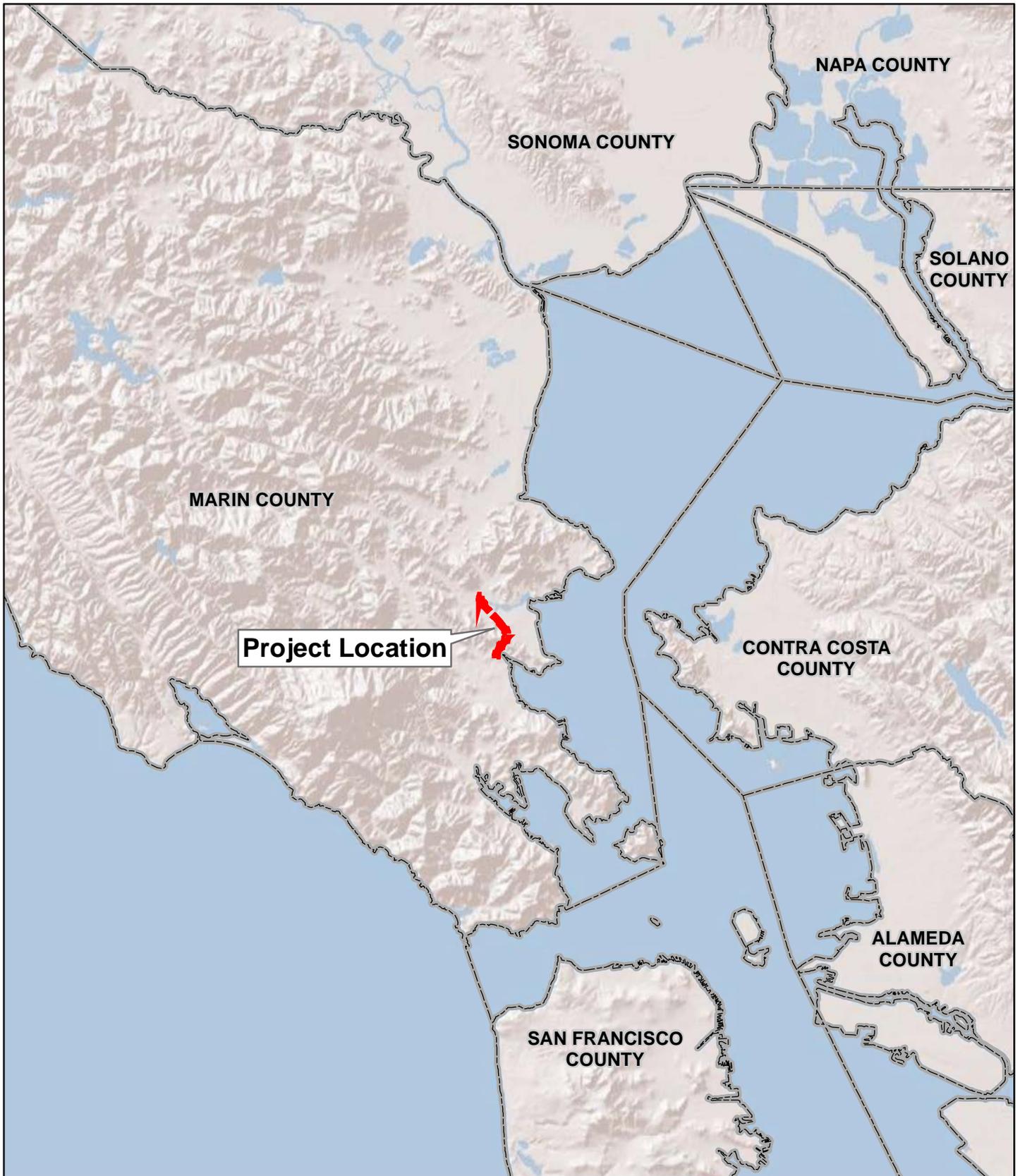
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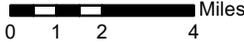
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APPENDIX A

Exhibits





 Miles
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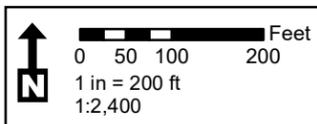
2/13/2013

SMART San Rafael-Larkspur
 Figure 1: Project Location Map

 Study Area
 County Boundary



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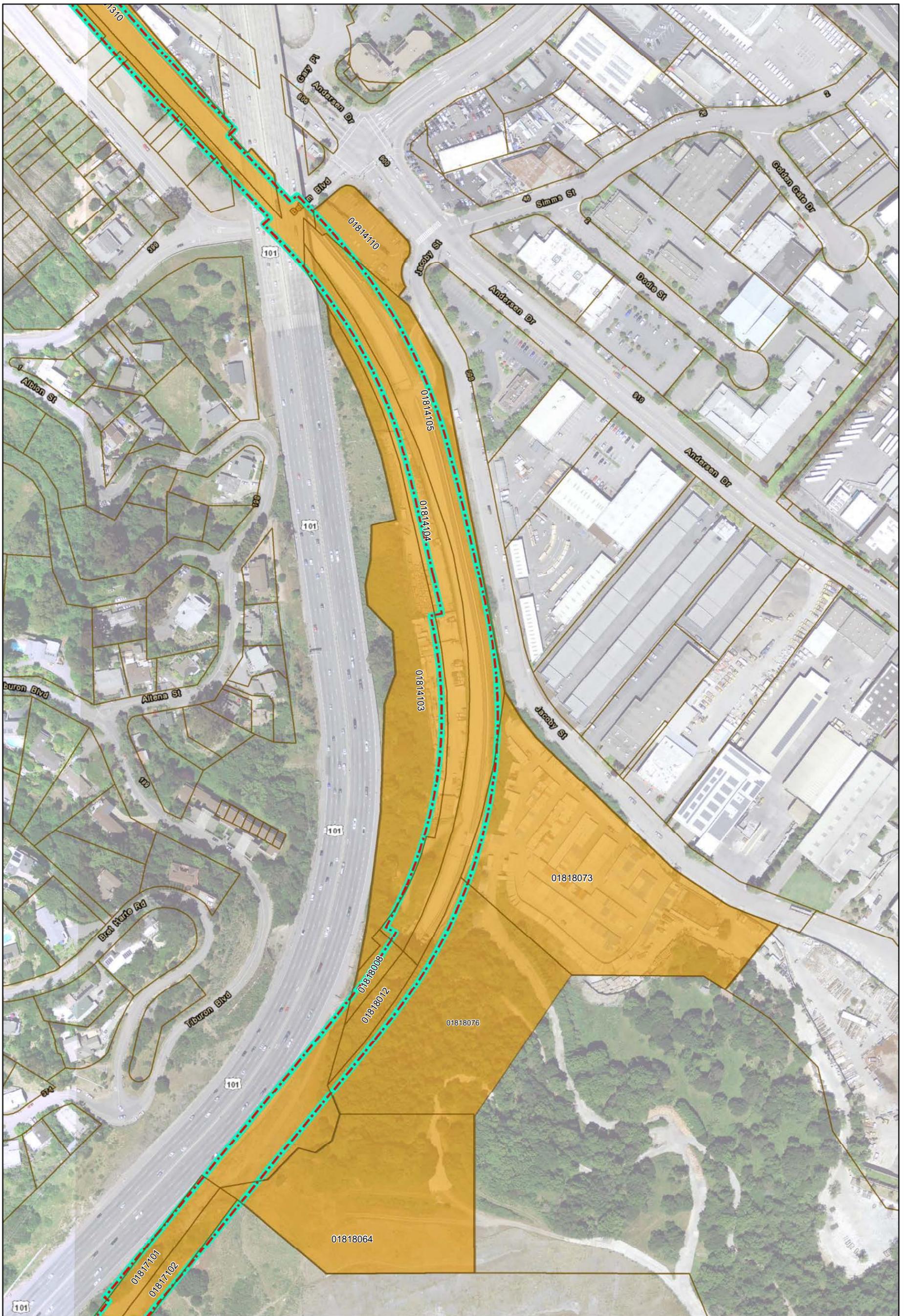
7/9/2013

SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (1 of 5)

- Legend**
- Marin Parcels
 - Project Area
 - Archaeological Area of Potential Effects Boundary
 - Architectural Area of Potential Effects Boundary



Source: .15m Marin County East Orthoimagery Basemap, April, 2011; AECOM, 2013; Marin County Community Development Agency, Marin County Assessor Office



7/9/2013
SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (2 of 5)

Legend

- Marin Parcels
- Project Area
- Archaeological Area of Potential Effects Boundary
- Architectural Area of Potential Effects Boundary







 Feet
 0 50 100 200
 1 in = 200 ft
 1:2,400

7/9/2013

SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (3 of 5)

Legend

-  Marin Parcels
-  Project Area
-  Archaeological Area of Potential Effects Boundary
-  Architectural Area of Potential Effects Boundary

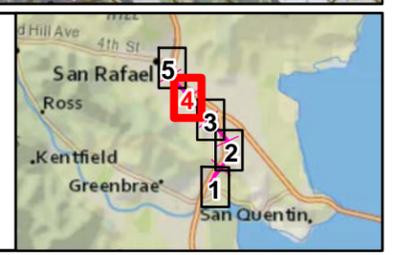





 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400
SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (4 of 5)

7/9/2013

- Legend**
-  Marin Parcels
 -  Project Area
 -  Archaeological Area of Potential Effects Boundary
 -  Architectural Area of Potential Effects Boundary






 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400

7/9/2013

SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (5 of 5)

Legend

-  Marin Parcels
-  Project Area
-  Archaeological Area of Potential Effects Boundary
-  Architectural Area of Potential Effects Boundary



APPENDIX B

Representative Photographs



Photograph 1: Project area overview from the southernmost terminus of the APE. View to the north.



Photograph 2: Project area overview from the tunnel area. View to the north.



Photograph 3: Project area overview from Andersen Drive. View to the northwest.



Photograph 4: Project area overview from midway between Andersen Drive and Rice Drive. View to the northwest.



Photograph 5: Overview of project area from the automobile dealership between Rice Drive and Irwin Street. View to the northwest.



Photograph 6. Project area overview near the San Rafael station. View to the north.



Photograph 7: Overview of project area from vicinity of the northern terminus of the APE.
View to the north.

**HISTORIC ARCHITECTURAL SURVEY REPORT FOR THE
SONOMA-MARIN AREA RAIL TRANSIT (SMART) RAIL CORRIDOR
SAN RAFAEL TO LARKSPUR PROJECT
MARIN COUNTY, CALIFORNIA**

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MANAGEMENT SUMMARY

Sonoma-Marine Area Rail Transit (SMART) proposes to create a commuter rail line utilizing the historic Northwestern Pacific (NWP) Railroad tracks. AECOM has prepared this report on behalf of SMART to evaluate the potential project-related impacts on cultural resources to comply with the requirements of Section 106 of the National Historic Preservation Act (NHPA). The purpose of this report is to document the presence of historic-era built environment resources that might be present in the SMART Rail Corridor – San Rafael to Larkspur Project’s area of potential effects (APE) and assess the eligibility of these resources for inclusion in the National Register of Historic Places (NRHP). This segment of the rail project was reviewed under the California Environmental Quality Act (CEQA) in a Final Environmental Impact Report that was certified in June 2006.

The investigation undertaken by AECOM personnel included consultation with historical societies and other interested parties and a field survey of the project APE. General background research conducted during the investigation included, but was not limited to, reviews of existing project-related material including previous relevant documentation pertaining to the project area, a records search, and supplemental archival research pertaining to resources in the project area.

Five historic-era (more than 45 years old) resources, (the California Park Hill Tunnel, NWP Railroad Auburn Street Trestle, an approximately one mile segment of the NWP Railroad, a commercial building, and the San Rafael Passenger/NWP Railroad Depot) are located in the APE. The tunnel and trestle were previously evaluated in 2004 and recommended as not eligible for listing in the NRHP. The depot was evaluated in 2013 and recommended as not eligible for the NRHP. The State Historic Preservation Officer concurred with those evaluations in 2005 and 2013. As part of this study, AECOM reassessed the tunnel, trestle, and the depot and agreed with the previous determinations. The two remaining resources, a one mile segment of the NWP Railroad and the commercial building, do not appear eligible for the NRHP.

There are no historic properties located in the project area. Therefore, this study recommends a finding of No Historic Properties Affected under Section 106 of the NHPA.

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INTRODUCTION

This report documents an inventory and evaluation, and finding of effect of known built environment resources (buildings and/or structures) located in the SMART Rail Corridor – San Rafael to Larkspur Project’s (proposed project’s) area of potential effects (APE). The Sonoma-Marin Area Transit (SMART) District proposes to construct a commuter rail line that would extend from downtown San Rafael to Larkspur Landing. This report has been prepared on behalf of SMART to evaluate the potential project-related impacts on built environment resources in compliance with the requirements of Section 106 of the National Historic Preservation Act (NHPA). This segment of the rail project was reviewed under the California Environmental Quality Act (CEQA) in a Final Environmental Impact Report that was certified in June 2006.

SMART contracted with AECOM to conduct an intensive cultural resources survey and assessment of cultural resources within the APE. The APE is located along a corridor extending from San Rafael to Larkspur in Marin County, California (**Exhibit 1**).

PROJECT DESCRIPTION

The proposed project would construct approximately two miles of passenger service railway from the SMART Downtown San Rafael Station at 3rd Street to the proposed Larkspur Station at Larkspur Landing. The Downtown San Rafael Station will serve as the southern terminus of the SMART Initial Operating Segment (IOS), which will run approximately 38.5 miles from Santa Rosa to San Rafael. The project is sponsored by SMART, a regional transportation district established to oversee the development and implementation of passenger rail service in Sonoma and Marin Counties. The proposed project would extend the IOS from San Rafael to Larkspur.

As with the larger SMART project, the proposed extension project would utilize the existing Northwestern Pacific (NWP) rail corridor, which has been acquired by SMART. The NWP historically provided freight and limited passenger rail service from Marin County to points north. The stretch of the NWP corridor proposed for use under the proposed project is still in place but has been non-operational for several decades.

AREA OF POTENTIAL EFFECTS

Consistent with general cultural resource practices, the APE generally follows the maximum possible area of direct impact. The APE for the built environment (i.e., the architectural APE) encompasses areas that might be either directly or indirectly affected by the proposed construction—that is, those areas within which the project could cause a change in character or use of historic-era properties. Only those resources located within the architectural APE were included in the built environment survey (**Exhibit 2**).

REGULATORY CONTEXT

This section summarizes federal regulations and policies applicable to the proposed project related to cultural resources.

SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT OF 1966

The project would seek funding through the Federal Transit Administration (FTA) and thus, it is subject to the requirements of Section 106 of the NHPA and its implementing regulations (Title 36 Code of Federal Regulations [CFR], Part 800 [36 CFR 800], as amended). FTA is the lead federal agency for the proposed project. Section 106 requires federal agencies to consider the effects of their undertakings, or those they fund or permit, on properties that may be eligible for listing, or that are listed in the National Register of Historic Places (NRHP). The 36 CFR 60.4 regulations describe the criteria to evaluate cultural resources for inclusion in the NRHP. Cultural resources can be significant on the federal, state, or local level. Such resources are required to retain integrity and must exhibit an association with broad patterns of our history, be associated with an important person, embody a distinctive characteristic, or yield information important to prehistory or history.

The NRHP is a register of districts, sites, buildings, structures, and objects of significance in American history, architecture, archaeology, engineering, and culture. The NRHP is maintained by the Secretary of the Interior. A property may be listed in the NRHP if it meets criteria for evaluation defined in 36 CFR 60.4:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- (A) That are associated with events that have made a significant contribution to the broad patterns of our history; or
- (B) That are associated with the lives of persons significant in our past; or
- (C) That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- (D) That have yielded, or may be likely to yield, information important in prehistory or history.

The 36 CFR 800 regulations, which implement Section 106, call for considerable consultation with the State Historic Preservation Officer (SHPO), Indian tribes, and interested members of the public throughout the process. The four principal steps are as follows:

1. Initiate the Section 106 process (36 CFR 800.3).
2. Identify historic properties, resources eligible for inclusion in the NRHP (36 CFR 800.4).
3. Assess the effects of the undertaking to historic properties in the APE (36 CFR 800.5).
4. Resolve adverse effects (36 CFR Part 800.6).

Adverse effects on historic properties are often resolved through preparation of a memorandum of agreement (MOA) or a programmatic agreement developed in consultation with the lead federal agency, the SHPO, Indian tribes, and interested members of the public. The Advisory Council on Historic Preservation (ACHP) is also invited to participate.

METHODOLOGY

The methods used for this study consisted of background research and a review of relevant previous documentation, a records search, consultation with local historical organizations and other interested parties, a field survey of the APE, and documentation of the archival research and field investigations. Each of these is discussed below.

PREFIELD RESEARCH

Preliminary background information was obtained through a review of the existing documentation provided by SMART. Applicable material was used to prepare this report. Additional background research included a records search conducted by the Northwest Information Center (NWIC) of the California Historical Resources Information System (CHRIS) and a review of regional histories and historic maps,

AECOM also conducted archival research at the California State Library, Sacramento, in an effort to identify important historic people, events, and architectural trends that may have been associated with resources in the APE.

PREVIOUSLY DOCUMENTED CULTURAL RESOURCES IN THE PROJECT VICINITY

Three resources were previously evaluated in the APE.

- California Park Hill Tunnel was evaluated for the NRHP in 2004, as part of the *Final Environmental Impact Report for the Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Historic Property Survey Report, California Department of Transportation and County of Marin Public Works* (URS Corporation 2004; JRP Historical Consulting Services 2004). The 2004 evaluation found that the tunnel did not meet the criteria for the NRHP because the tunnel as an individual element of the much larger NWP was not considered significant in history or as an engineering feature. In addition to not

meeting the NRHP criteria, the tunnel also lacked integrity. The SHPO concurred with this finding in 2005.

- NWP Railroad Auburn Street Trestle (commonly referred to as the Woodland Street Trestle) was evaluated in 2004, as part of the *Final Environmental Impact Report for the Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Historic Property Survey Report, California Department of Transportation and County of Marin Public Works* (URS Corporation 2004; JRP Historical Consulting Services 2004). The evaluation found that the segment did not meet the criteria for the NRHP because as an element of the much larger NWP, which did not contribute to the history of Marin County, the trestle is not associated with significant events or people and is a common example of a standard designed railroad trestle. Additionally, the trestle lacked integrity. The SHPO concurred with this finding in 2005.
- San Rafael Passenger Depot/Northwest Pacific Railroad Depot (P-21-001015) was first recorded in 1978 and was evaluated for the NRHP in 2013 as part of the *Cultural Resources Inventory and Evaluation Report for SMART, the Sonoma-Marin Area Rail Transit Downtown San Rafael, Marin County 9MP 17) to Petaluma, Sonoma County (MP 38.5)* (ICF International 2013). The 2013 evaluation found the depot was not eligible for the NRHP because of a lack of integrity. The SHPO concurred with this finding in 2013.

CONSULTATION

AECOM also sent a project notification letter to the Marin History Museum requesting information regarding cultural resources that may be located within the project area. No responses have been received to date. Appendix B contains details on the consultation.

FIELD SURVEY

On February 5, 2014, AECOM architectural historians who meet the Secretary of the Interior's Standards in history and architectural history conducted a field survey of the project area. As part of the survey, five built environment resources (California Park Hill Tunnel, NWP Railroad Auburn Street Trestle, approximately 1 mile of the NWP Railroad, a commercial building at 250 Francisco Boulevard, and the San Rafael Passenger Depot/Northwest Pacific Railroad Depot) more than 45 years in age were inventoried and recorded on the appropriate California Department of Parks and Recreation Series 523 forms, which are included in Appendix B of this report.

REPORT PREPARATION

AECOM conducted this investigation according to current professional standards for cultural resources. The study team consisted of professionally trained historians/architectural historians meeting *The Secretary of the Interior's Professional Qualification Standards* (36 CFR Part 61; 48 *Federal Register* 44716). The following individuals played key roles in the investigation:

Mark Bowen M.A. —Senior Architectural Historian
Madeline Bowen, M.A.—Senior Architectural Historian
Patricia Ambacher, M.A.—Architectural Historian

ENVIRONMENTAL AND CULTURAL CONTEXT

HISTORIC CONTEXT

This section provides a historical context for the report. It begins with a brief overview of Marin County and the communities of San Rafael and Larkspur and is followed by a discussion of the settlement and development of the region. It concludes with a history of the NWP and its relationship to the growth of industry in the area. The context is taken largely from the *Historic Architectural Resources Technical Report for the Sonoma Marin Area Rail Transit (SMART) Project* (Garcia and Associates 2004).

HISTORIC OVERVIEW OF MARIN COUNTY

Originally settled by Spanish missionaries and rancho owners and employees, Marin County experienced great growth following the Mexican-American War and the California Gold Rush in the late 1840s. As the population grew, so did area industries, including agriculture, logging and viticulture, and there was an increasing demand for railroads to move products to markets throughout the Bay Area and beyond. By 1907, when the NWP finally organized, towns along the railroad line had come to depend on the railroad and industries like logging and winemaking helped define the region. Following the opening of the Golden Gate Bridge and the growing popularity of car and truck travel in the early twentieth century, the NWP's influence in the area's towns faded, and the line fell into disuse in the 1990s.

MARIN COUNTY

Mission San Rafael Archangel, established in 1817, was the first European settlement in present-day Marin County, founded partly in response to the Russian Fort Ross. Starting in the 1820s and continuing through the 1840s, the area underwent the mission secularization and establishment of Mexican ranchos that characterized California during this period (Marschner 2000). Marin County was established in 1850 as old cattle ranchos gradually gave way to smaller ranches and farms. However, agriculture remained important to the county's economy and culture. New settlers founded numerous dairy farms and, by 1862, Marin County provided one quarter of California's butter. Marin County towns such as Tomales, Olema, and Nicasio were early trading centers for these dairy farms. In addition to dairy products such as butter and cheese, Marin County shipped potatoes, grains, shellfish (oysters, clams, and mussels) from warehouses in the coastal towns of Bolinas and Tomales to markets in San Francisco (Marschner 2000).

The introduction of trains, steamships, and ferries in the 1870s greatly altered Marin County's transportation system. Ferry slips built in Sausalito and Tiburon connected Marin County to San Francisco and its growing population and markets. This connection dramatically increased tourism as the rural atmosphere of the County provided a relaxing get-away from fast-paced city life.

World War II greatly altered Marin County. Wartime industry came in the form of airfields and shipyards. Hamilton Field grew exponentially and the Marin shipyards brought thousands of workers to the locale. Following the war, many of those who had relocated to the area to work in the war effort remained in Marin County. By the late 20th century, the county's leading industry was high technology and business. The region remains mostly commercial and light industrial in nature. (Mason 1975).

SETTLEMENT

SAN RAFAEL

Surveyors laid out the San Rafael town site in 1850, which also became the Marin County seat. Local economics initially focused on the cattle trade, which flourished in response to the Gold Rush (Levy 1976: 16B). Growth patterns were further accelerated by the completion of the San Rafael and San Quentin Railroad through the region in 1870. This railroad, the first in the county, increased access to and from San Francisco, and popularized Marin County as a retreat for San Francisco families.

The 1937 opening of the Golden Gate Bridge turned southern Marin County into an alternative bedroom community for San Francisco. Later, World War II brought an increased military presence to southern Marin County. Shipyard work and establishment of the United States Army Hamilton Field north of San Rafael was another economic boon to the area (Levy 1976: 16B).

LARKSPUR

Larkspur occupies the former Corte Madera del Presidio and Punta de Quintin Mexican land grants established in 1834 and 1840. Sawmills operated in the area in 1849, but most had ceased operations by the 1860s as Marin County timber reserves depleted. The North Pacific Coast Railroad (acquired later by the NWP) constructed a station in Larkspur by the 1890s to take advantage of Bay Area tourism. Despite Larkspur's growing popularity as a resort destination for San Francisco residents, the area remained predominantly rural until the opening of the Golden Gate Bridge in 1937 (Levy 1976: 11B).

NWP RAILROAD

Railroads stimulated the California economy and attracted new settlers. They encouraged rapid growth and made it easy and relatively inexpensive to ship agricultural products across the country, which was especially important to Marin farmers.

California's first railroad, a 22-mile-long line between Sacramento and Folsom, was completed in 1855. As early as the 1860s, local businessmen anticipated the development of a railroad system to transport both freight and passenger service between San Francisco and Marin and Sonoma counties. However, a freight and passenger rail system did not arrive in the San Francisco Bay Area until 1866, when the California Pacific Railroad (California Pacific) operated service from Vallejo north toward Napa then east toward Sacramento. The line, however, overextended itself and by the early 1870s was in desperate financial straits. In 1871, the Central Pacific Railroad (CPRR) purchased the California Pacific. Only fourteen years later, the CPRR itself was absorbed by the Southern Pacific Railroad. The absorption of smaller lines by larger conglomerates was a characteristic of railroads all over the country, and the formation of the NWP was no exception.

EARLY HISTORY

The NWP is an amalgam of forty-two separate lines constructed between 1864 and the early twentieth century, with the main line that extends through the project area running between Tiburon and Eureka. The first railroad of significant length in the Bay Area was completed in October 1864 between San Francisco and San Jose, and less

than ten years later the San Rafael & San Quentin Railroad (SR&SQ) opened between San Rafael and the ferry landing adjacent to the current prison site.

North Bay residents demanded a freight and passenger railway, but were divided over the route. The Sonoma County Railroad Company, the Vallejo-Sonoma-Santa Rosa, and the San Francisco and Humboldt Bay Railroad Company, all competed to win the route. On May 12, 1868, residents chose the Sonoma County Railroad which sought to build the railroad through Petaluma. The group had limited success, however, and soon transferred their rights and subsidies to the San Francisco and Humboldt Bay Railroad Company (Kneiss 1956).

Grading for the San Francisco and Humboldt Bay Railroad Company proceeded north of Petaluma through the fall and winter of 1868, but by early 1869, the line was running short of funding and construction came to a halt near Santa Rosa. The San Francisco and Humboldt Bay Railroad Company reorganized under the name San Francisco and North Pacific Railroad (SFNP) (Kneiss 1956). In an effort to thwart rival California Pacific's efforts to be the first railroad company to complete tracks in the North Bay, SF & Humboldt moved with amazing speed, putting 100 workers on the line laying track (Stindt 1964).

By October 1870, regular rail service between Petaluma and Santa Rosa was in place. In April, 1871, the SFNP briefly became the Petaluma and Humboldt division of the California Pacific, which relinquished to the CPRR and the Big Four. Incredibly, after so much trouble, the Central Pacific Big Four soon decided that the Sonoma County line would not figure in their long-range plans. By January 1873, Peter Donahue had purchased the line for one million dollars.

By the mid-1870s, SFNP constructed a 53-mile line north from Cloverdale to the Landing at Humboldt Bay. Additional lines were constructed between Petaluma and San Rafael. The San Rafael connection work was completed in 1879, and Donahue united several small North Bay lines he had acquired under the SFNP banner. By 1884, SFNP had completed track to Tiburon, which became the permanent southern terminus of the line (Stindt 1964:12-14). By 1885, the daily schedule included six round-trip trains and ferry connections between San Francisco and San Rafael with stops north to Cloverdale.

The railroad continued to expand during the 1890s, although the decade also saw severe financial problems. The Panic of 1893 damaged railroading interests all over the country, and by 1897, SFNP was on the auction block. The line incorporated with the California Northwestern Railway Company (CNW), but because of financial instability, Southern Pacific absorbed the line in 1900 (Stindt 1964:15-16).

20TH CENTURY

During the early 20th century, the Santa Fe Railroad began to incorporate smaller lines to acquire a share of lumber and milling country between Eureka and the Bay Area. By 1903, the Santa Fe had purchased enough local lines to become entrenched in Northern California's coastal timber belt (Stindt 1964:41). The Santa Fe Railroad and the Southern Pacific joined forces and formed the NWP with 402 miles of track on January 8, 1907 (Stindt 1964:48-49). The tourist trade became a central business objective for the NWP as hauling agricultural products was no longer profitable. The NWP became a favorite of Bay Area dwellers seeking the redwood forest experience, and resorts were built to accommodate the tourists. The railroad expended significant resources to meet these demands in Marin County. Sausalito replaced Tiburon as the main southern terminal and tracks were added between San Rafael and San Anselmo.

In 1929, the Southern Pacific bought Santa Fe's interest, and the NWP became a wholly owned subsidiary. The ensuing 1930s Great Depression made freight transportation nearly non-existent, and the company abandoned the branch lines (Stindt 1964:54-55). Passenger service also declined and to combat this, the NWP unveiled new, more comfortable cars and lower fares. Automobile traffic continued to blossom in the 1920s and to reduce the passenger railroad business. From the mid-1930s on, the automobile replaced the train as America's choice for tourist-related travel. The NWP abandoned over 138 miles of track during the 1930s Depression.

The NWP's Depression-era woes were tempered with America's entry into World War II. The Japanese attack on Pearl Harbor resulted in a restructuring of transportation priorities, and all the NWP engines and cars were pressed into service. Even steam-powered locomotives worked during the war years. The "Redwood Empire" line began to haul lumber and critical war supplies to San Francisco factories (Naughton, 1976: 6).

After the turbulent 1930s and 1940s, the passengers who once frequented the NWP altered their own modes of transportation. By the early-1950s, it was clear to NWP leadership that locomotive usage was on the decline. Passenger service, once the goal of the NWP, was no longer a priority. While the transport of lumber was sustained during the post-war economic boom, several passenger-oriented branch lines were dropped. The last complete round trip between San Rafael and Eureka took place in November 1958 (Stindt 1964:55).

Other events helped shape the future of the NWP. In July 1961, a fire ravaged the railroad's Puerto Suello tunnel, located just north of San Rafael. The fire caused the 1,350-foot tunnel to collapse (Stindt 1964:58). Because of the fire, the NWP sought to discontinue freight service from San Rafael to Tiburon, stating that industries located south of the tunnel could be adequately serviced by existing barge service. This decision initiated five years of litigation that resulted in a denial of the NWP's petition to abandon the line. The section was reopened for service in 1967 at a cost of \$12.8 million (Stindt 1974:13).

More branch line closures marked the 1970s. Rail service south of San Rafael halted in 1981 due to the abandonment of the tunnel between San Rafael and Larkspur (Stindt 1974:19-21). Financial woes during the 1980s forced the Southern Pacific to place the NWP on the market. The NWP (Milepost 142.5 to Willits) was purchased by Southern Pacific in 1984 (Stindt 1974:24-26). In 1996, the Southern Pacific line from the town of Outlet, north of Willits, south to the town of Ignacio, in Marin County, became publicly owned. Today, the North Coast Railroad Authority owns and operates the line between Healdsburg and Arcata, and the SMART District owns the line from Healdsburg to Larkspur.

FINDINGS

BUILT ENVIRONMENT

Five built environment resources were recorded as part of this project: an approximately one mile segment of the NWP Pacific Railroad, a commercial building at 250 Francisco Boulevard, the California Park Hill Tunnel, NWP Pacific Railroad Auburn Street Trestle, and the San Rafael Passenger Depot/NWP Railroad Depot. The tunnel, trestle, and depot were previously recorded as part of two different SMART projects in 2004 and 2013. The three resources (tunnel, trestle, and depot) were evaluated for the NRHP and each was determined to lack the necessary historical and architectural/engineering significance to meet the NRHP criteria. Additionally all three lacked integrity to their identified periods of significance. The SHPO concurred with the previous evaluations (see

Appendix C). The tunnel, trestle, and depot were revisited and their condition was reassessed as part of this project. The previous determinations and the supporting rationale for ineligibility remain valid.

The two remaining resources, an approximately one mile segment of the NWP Pacific Railroad and a commercial building located at 250 Francisco Boulevard, are described and evaluated below. See Appendix B for more detailed information on these resources.

DESCRIPTIONS

NWP RAILROAD SEGMENT

An approximately one mile long segment of the former NWP Railroad was surveyed between Anderson Drive and 4th Street. The segment is not intact and large portions of the track are missing on the southeast side of Rice Drive. The first approximately 1,600 feet of at-grade track consists of two sets of rails with timber ties. Most of the ties are missing. Approximately 1,162 feet from the beginning of the segment is a small trestle. It is constructed of timber with timber abutments. Steel mesh plates cover portions of the bridge. Approximately 455 feet west of the trestle the tracks are covered by a paved parking lot, but then resume as a single track shortly before reaching Rice Drive. A second small, single track trestle is located north of West Francisco Boulevard where the track crosses San Rafael Creek south of 2nd Street. The trestle has wood timbers and steel mesh plates. The segment of track continues northward to 4th Street, with portions partially or entirely paved over with asphalt. In some locations the ties are completely covered over with asphalt, with only the tops of the rails visible.

250 FRANCISCO BOULEVARD

A single-story commercial building with a rectangular plan and side-gable roof is located on this parcel. The building has four bays and is partially open on the north elevation. The bays feature a loading dock with steel supports. Two of the bays have concrete masonry units that have roll-up metal doors and flush, metal single-entry doors. Siding includes wood shake singles, brick, and corrugated metal. Windows are set with aluminum sliders. It appears that an addition is located on the eastern elevation that is rectangular in plan, and flat roofed with plywood siding. Below the roof line are ribbon windows with plastic panes. Because the property was recorded from the public right-of-way it could not be confirmed that the two buildings are attached.

EVALUATIONS

NWP RAILROAD SEGMENT

This approximately one mile segment of the NWP Railroad does not appear to meet NRHP Criterion A. The segment is part of a much larger system. This larger system was developed to facilitate the movement of local agricultural products to a broader market. The construction of this segment did not bring an immediate and substantial development to San Rafael or Marin County. Rather the segment was one of many local railroads built in Marin County to provide transportation for freight and passengers. This one mile segment has no direct associations with significant events or trends in history. Research does not suggest that the segment is associated with known individuals who made a significant contribution to history. Therefore, it does not appear to meet NRHP Criterion B. As an engineering feature, the segment is a common example of railroad construction and does not express distinctive characteristics. In consideration of all the elements of NRHP Criterion C, the segment

does not appear to meet this criterion. Under NRHP Criterion D, the segment does not appear to be the source of important information in history.

Lastly, this one mile segment lacks integrity to convey significance. It is part of a much larger system that has been altered by the removal of tracks, ties, and it has been covered over in several places along its original alignment. Therefore, the segment lacks integrity of design, materials and workmanship. Its setting, feeling and association have also been lost because of the modern-era development surrounding what is left of the segment. In summary, the resource does not appear to meet the criteria for listing in the NRHP.

250 FRANCISCO BOULEVARD

This area of San Rafael along the southern side of the former NWP Railroad developed in the late-1960s, primarily between 1966 and 1969 (Historic Aerials 2014). Most of the commercial development in San Rafael occurred after World War II in the late-1940s and 1950s. This particular building was constructed circa 1969 and does not appear to be directly associated with significant events or trends in the history of the region. Therefore, it does not appear to meet NRHP Criterion A. Research revealed little about the original owners or occupants of this commercial property. Today it is occupied by a roofing company, which has been in business since 1929. However, this building was not constructed until circa 1969 so the firm presumably located to the building sometime after that period. There are no known associations with persons who played a significant role in history and the building does not appear to meet NRHP Criterion B. Architecturally, the building lacks distinctive characteristics and was not designed by a master architect. It is a modest example of a late-1960s commercial building and is not an important example of its type, period or method of construction. It does not appear to meet NRHP Criterion C. Lastly it does not appear likely to yield information important to history as required for a building under NRHP Criterion D. In summary, the building does not appear to meet the criteria for listing in the NRHP.

ASSESSMENT OF EFFECTS

This section of the report assesses the potential of the SMART San Rafael to Larkspur project to affect historic properties within the APE. The criteria for assessing effects are the Criteria of Adverse Effect of the ACHP for the purposes of Section 106 of the NHPA.

SECTION 106 OF NHPA

Under federal law, the Criteria of Adverse Effect are set forth by the ACHP in its implementing regulations, 36 CFR Part 800 (revised January 11, 2001). As codified in 36 CFR Part 800.4(d)(2), if there are historic properties that may be affected by a federal undertaking, the agency official shall assess adverse effects, if any, in accordance with the Criteria of Adverse Effect. Adverse effects can occur when prehistoric or historic archaeological sites, structures, or objects listed in or eligible for listing in the NRHP are subjected to the following alterations:

1. physical destruction of or damage to all or part of the property;

2. alteration of the property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation, and provision of handicapped access, that is not consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties (36 CFR 68) and applicable guidelines;
3. removal of the property from its historic location;
4. change in the character of the property's use or of physical features in the property's setting that contribute to its historic significance;
5. introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features;
6. neglect of the property that causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native Hawaiian organization; or
7. transfer, lease, or sale of the property out of Federal ownership or control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance.

EFFECTS

Five resources are located within the APE. Three of the resources (tunnel, trestle, and depot) have been formally determined not eligible for the NRHP. The remaining two resources (railroad segment and commercial building) do not appear eligible for the NRHP. There are no historic properties located in the project area; therefore, this study recommends a finding of No Historic Properties Affected for the proposed project.

MANAGEMENT RECOMMENDATIONS

Management recommendations are based on the evaluation of a site's potential eligibility for inclusion in the NRHP and potential project-related impacts on that site. For sites that are recommended as not eligible for listing in the NRHP, or that are recommended as eligible but that would not be affected by a proposed project, a finding of *No Historic Properties Affected* is proposed. For eligible sites that would be adversely affected by a proposed project, a recommendation of *Adverse Effect* is proposed and a suitable plan to mitigate the adverse effects is developed in consultation with the SHPO and/or ACHP through an agreement document. Such a plan might include data recovery in the form of excavation or testing, artifact collection and analysis, or historical research and documentation.

None of the properties within the APE are recommended as eligible for the NRHP. As there are no historic properties in the project area, there would be no adverse effect for the project as outlined in 36 CFR 800.5(e). Therefore no further investigation of the built environment is recommended.

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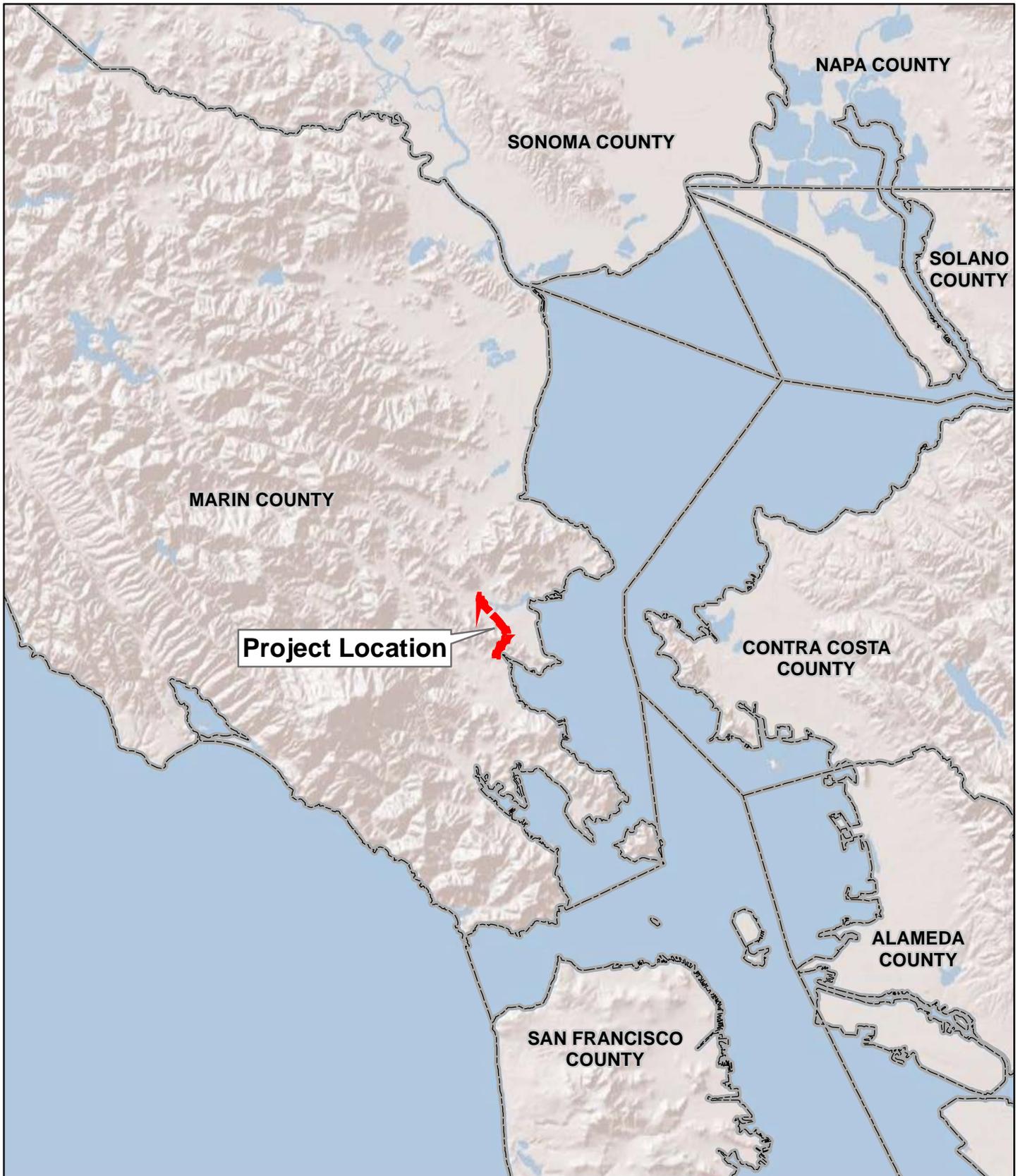
1964. *Northwestern Pacific Railroad: Redwood Empire Route*. Fred A. Stindt Press, Redwood City, California.

URS Corporation.

2004. *Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project Historic Property Survey Report, California Department of Transportation, County of Marin Department of Public Works*. Prepared for Earth Tech, Inc.

APPENDIX A

Exhibits





 Miles
 0 1 2 4
 1 in = 4 miles
 1:264,000

2/13/2013

SMART San Rafael-Larkspur
 Figure 1: Project Location Map

 Study Area
 County Boundary



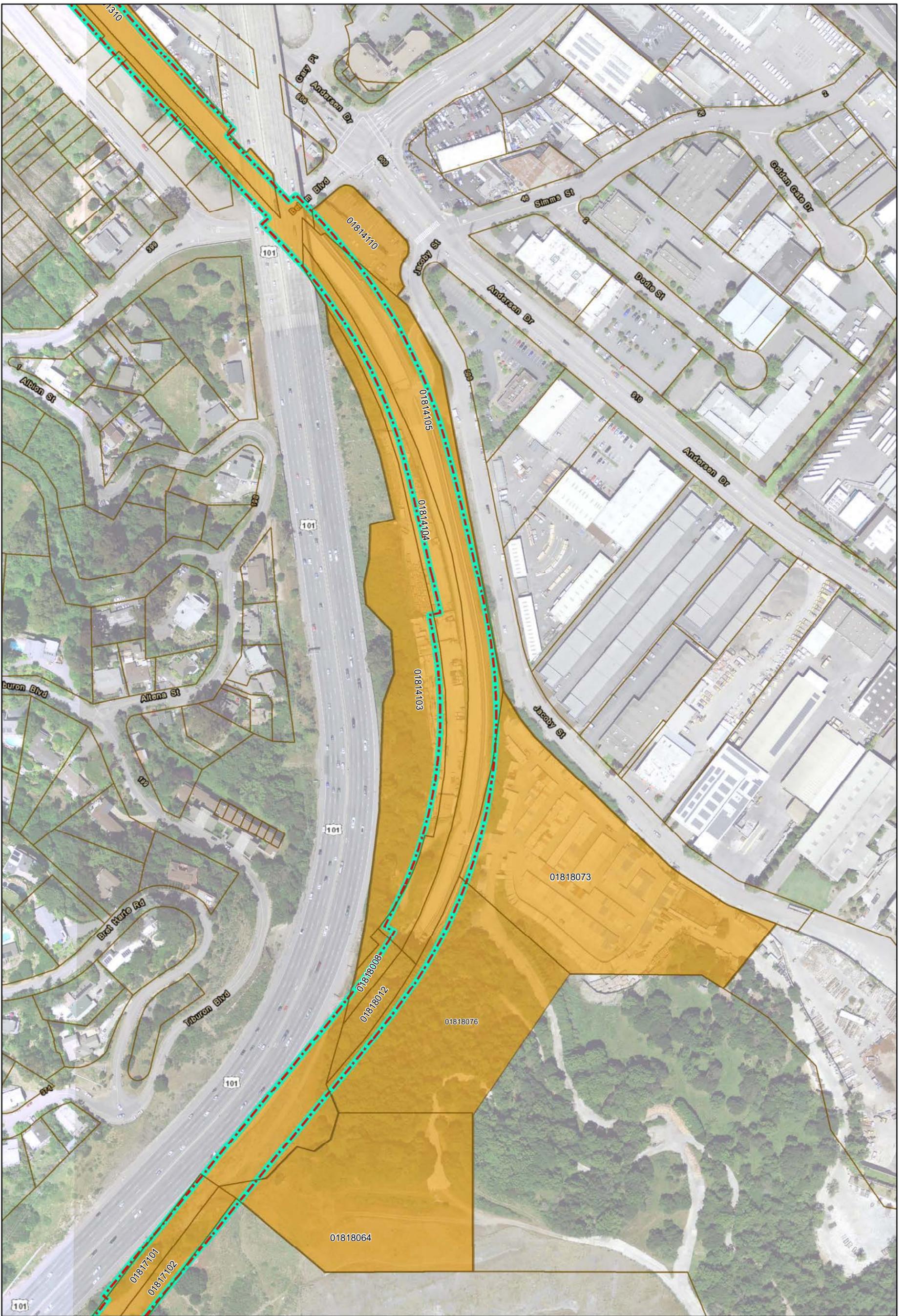



 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400
SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (1 of 5)

7/9/2013

- Legend**
-  Marin Parcels
 -  Project Area
 -  Archaeological Area of Potential Effects Boundary
 -  Architectural Area of Potential Effects Boundary






 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400
SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (2 of 5)

7/9/2013

- Legend**
-  Marin Parcels
 -  Project Area
 -  Archaeological Area of Potential Effects Boundary
 -  Architectural Area of Potential Effects Boundary






 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400

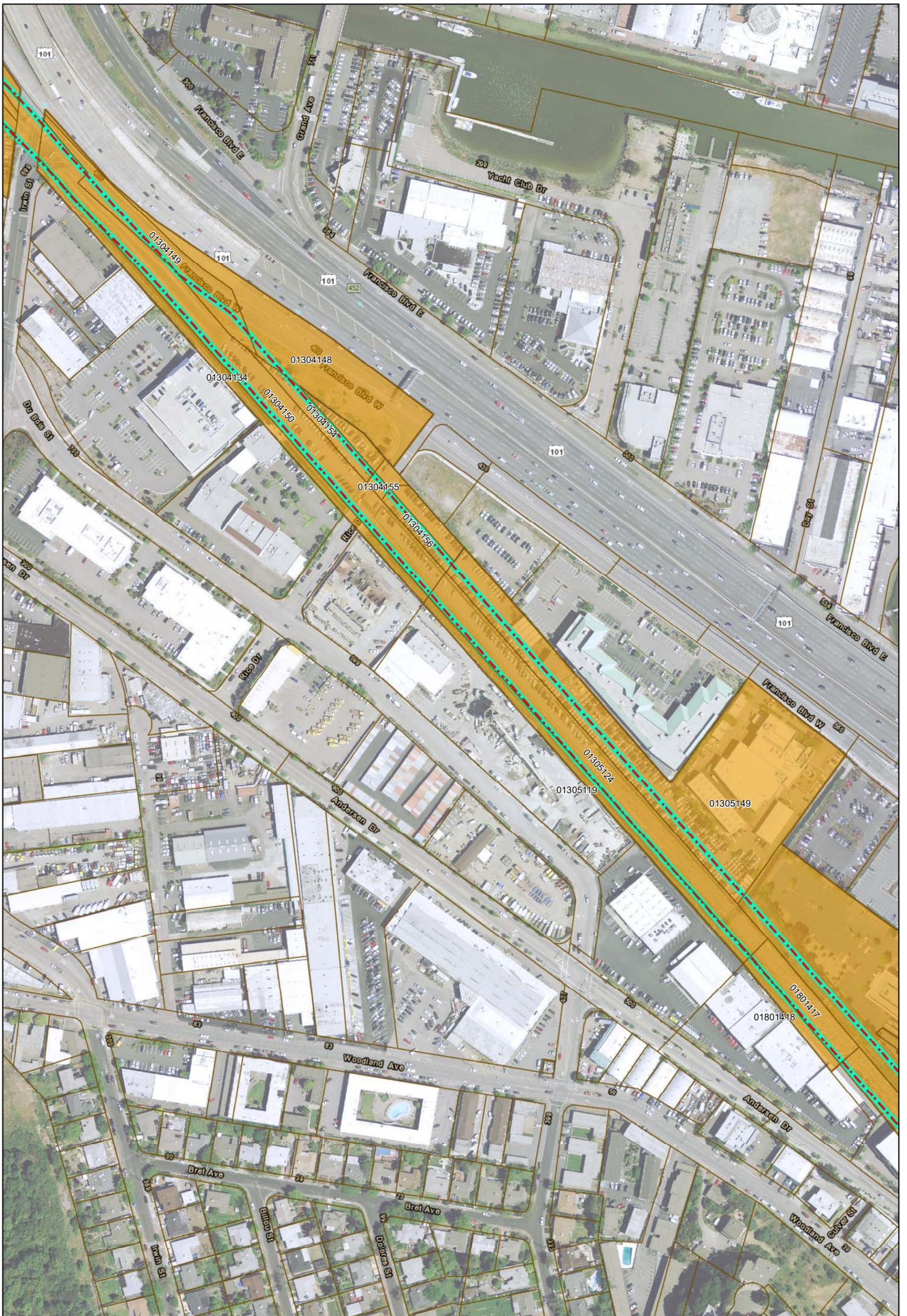
7/9/2013

SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (3 of 5)

Legend

-  Marin Parcels
-  Project Area
-  Archaeological Area of Potential Effects Boundary
-  Architectural Area of Potential Effects Boundary

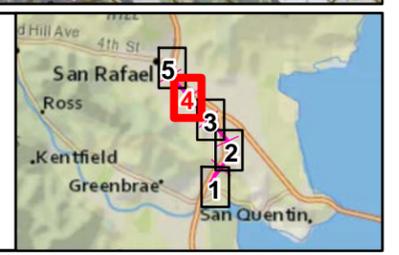





 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400
SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (4 of 5)

7/9/2013

- Legend**
-  Marin Parcels
 -  Project Area
 -  Archaeological Area of Potential Effects Boundary
 -  Architectural Area of Potential Effects Boundary






 0 50 100 200 Feet
 1 in = 200 ft
 1:2,400

7/9/2013

SMART San Rafael-Larkspur Extension
 Archaeological/Architectural Area of Potential Effects (5 of 5)

Legend

-  Marin Parcels
-  Project Area
-  Archaeological Area of Potential Effects Boundary
-  Architectural Area of Potential Effects Boundary



APPENDIX B

Consultation

April 24, 2014

Marin History Museum
1125 B Street
San Rafael, CA 94901

Subject: Sonoma-Marín Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project

To Whom It May Concern:

Sonoma-Marín Area Rail Transit (SMART) proposes to construct approximately two miles of passenger service railway from the SMART Downtown San Rafael Station at 3rd Street to the proposed Larkspur Station at Larkspur Landing. The Downtown San Rafael Station will serve as the southern terminus of the SMART Initial Operating Segment (IOS), which will run approximately 38.5 miles from Santa Rosa to San Rafael. The project is sponsored by SMART, a regional transportation district established to oversee the development and implementation of passenger rail service in Sonoma and Marin Counties. The proposed project would extend the IOS from San Rafael to Larkspur.

The proposed project would utilize the existing Northwestern Pacific (NWP) rail corridor, which has been acquired by SMART. The NWP historically provided freight and limited passenger rail service from Marin County to points north. The stretch of the NWP corridor proposed for use under the proposed project is still in place but has been non-operational for several decades.

As part of the environmental compliance for the project, AECOM is conducting a cultural resources study in the project area. All interested historical organizations are being consulted to determine if any historic or cultural resources may be affected by the proposed project. Your efforts in this process provide invaluable information for the proper identification and treatment of such resources.

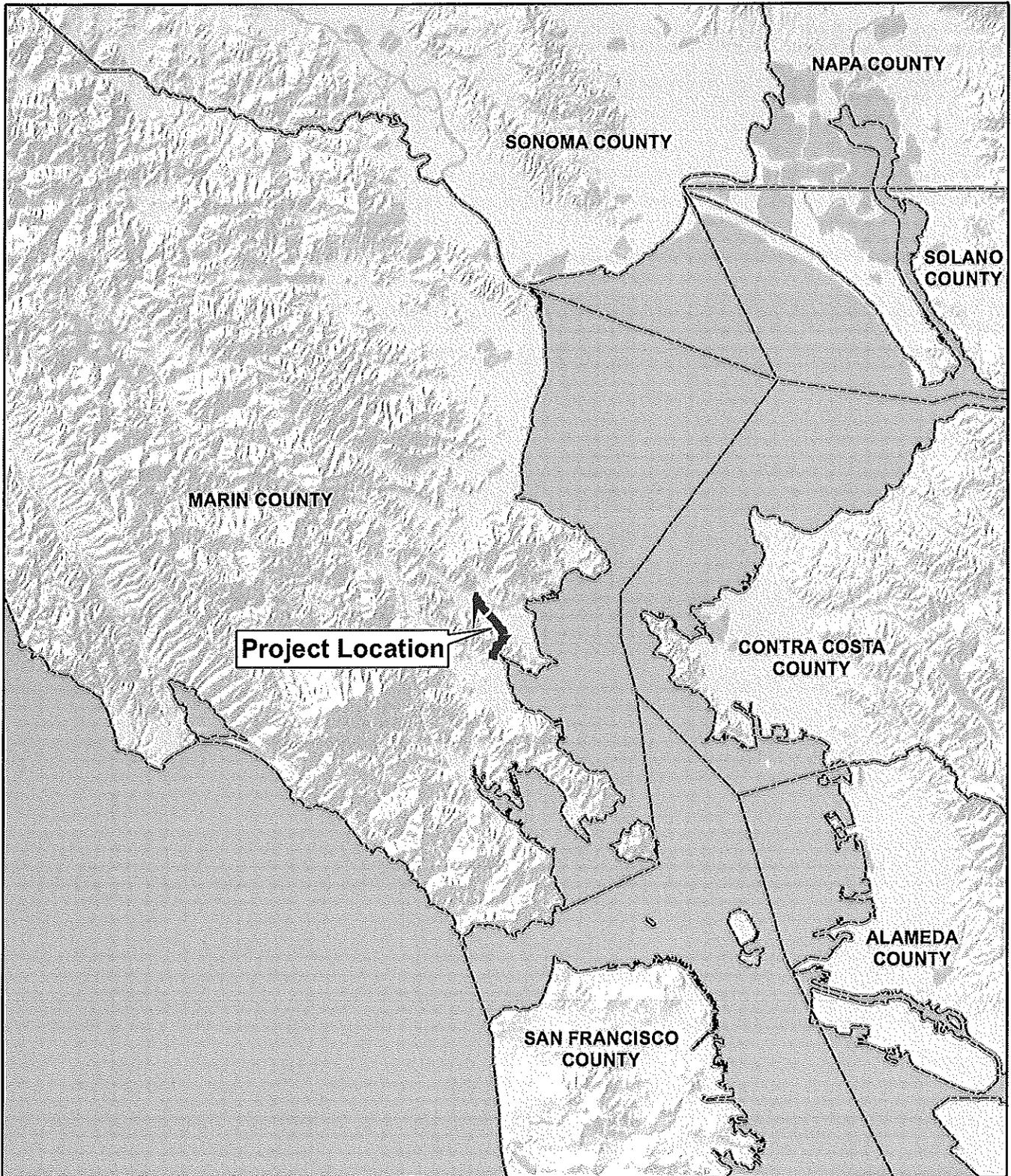
If you have any questions or comments regarding resources in the proposed project area, please contact Patricia Ambacher at patricia.ambacher@aecom.com. All comments and letters received from historical organizations will be included in the reports generated by this study.

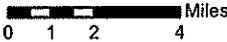
Sincerely,



Patricia Ambacher
Architectural Historian

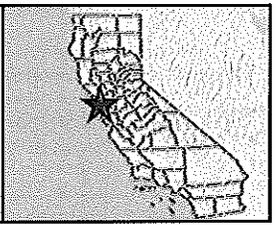
Enclosure




 Miles
 0 1 2 4
 1 in = 4 miles
 1:264,000

 Study Area
 County Boundary

2/13/2013



SMART San Rafael-Larkspur
Figure 1: Project Location Map

APPENDIX C

California Department of Parks and Recreation DPR 523 Forms

Page 1 of 1

*Recorded by Patricia Ambacher, AECOM

*Resource Name or # (Assigned by recorder) California Park Hill Tunnel

*Date February 5, 2014 Continuation Update

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The structure was surveyed on February 5, 2014. Since it was recorded in 2003, the tunnel timber supports were demolished and structural steel sets and shotcrete were installed. A concrete wall runs the length of the tunnel with prefabricated arches at each entrance. This portion of the tunnel is now used as a pedestrian and bicycle pathway.



P5b. Description of Photo: (View, date, accession #) Southern entrance, camera facing northeast, February 5, 2014

*P8. **Recorded by:** (Name, affiliation, address)
Patricia Ambacher
AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

*P9. **Date Recorded:**
February 5, 2014

*P10. **Survey Type:** (Describe)
Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.") AECOM. *Historic Architectural Survey Report for the Sonoma-Marin Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project, Marin County, California.* Prepared for Sonoma-Marin Rail Transit District. 2014.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record
 Other (list) California Department of Parks and Recreation (DPR) 523 Forms for California Park Hill Tunnel, prepared by JRHP Historical Consulting, 2003

*B10. **Significance:**

This tunnel was previously evaluated for the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) as part of the 2004 by JRP Historical Consulting (JRP) as part of the *Historic Property Survey Report Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project Prepared for California Department of Transportation and County of Marin Department of Public Works*. JRP concluded that the tunnel was not eligible for the NRHP or the CRHR. In addition to lacking historical or architectural significance, the tunnel lacked integrity. In 2005, the State Historic Preservation Officer concurred that the tunnel is not eligible.

Since that time, the tunnel has lost more integrity of design, materials, workmanship, setting, feeling and association as a result of the construction of the pedestrian and bicycle pathway. Therefore, because of a lack of integrity, the tunnel continues to not be eligible for the NRHP or the CRHR.

154011

State of California - The Resources Agency	Primary #
DEPARTMENT OF PARKS AND RECREATION	HRL #
PRIMARY RECORD	Trinomial
Other Listings	NRHP Status Code <u>6</u>
Review Code	Reviewer
	Date

Page 1 of 19 *Resource Name or # (Assigned by recorder) Map Reference # 1

P1. Other Identifier: California Park Hill Tunnel

*P2. Location: Not for Publication Unrestricted *a. County Marin

and (P2b and P2c or P2d. Attach a Location Map as necessary.)
*b. USGS 7.5' Quad San Rafael Date 1980 T ___; R ___; ___ 1/4 of Sec ___; ___ B.M.

c. Address ___ City ___ Zip ___

d. UTM: (give more than one for large and/or linear resources) Zone ___; North Portal: 0543348mE/ 4200589mN
South Portal: 0543107mE/ 4200270mN

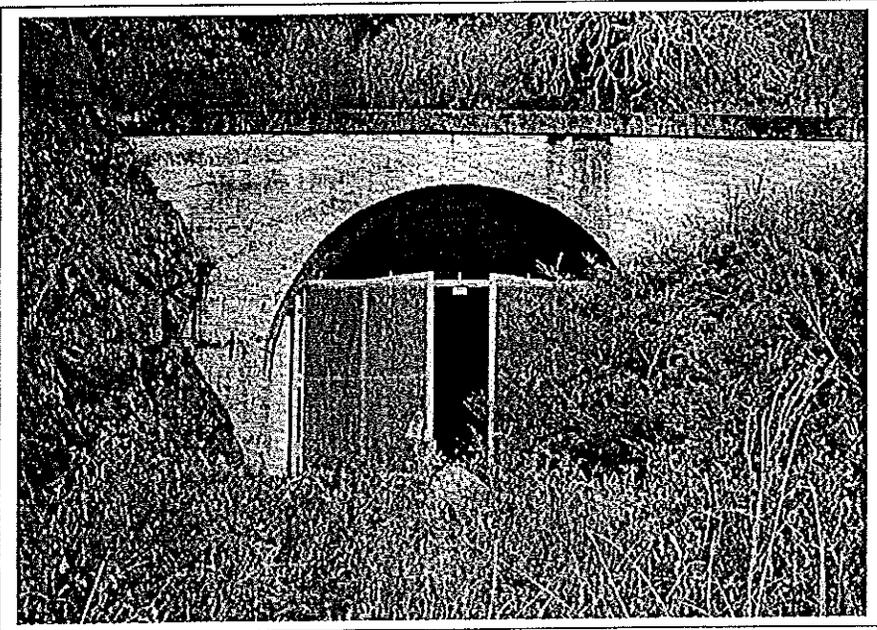
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Elevation, 70 feet.

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The California Park Hill Tunnel is an 1104.6 foot long, circle arch tunnel beneath California Park Hill. The tunnel is approximately 30 feet wide by 24 feet high and extends beneath the hill in a north/south orientation, running parallel to Highway 101. The North Portal face is surfaced with board form, poured concrete. (Photograph 1) A frieze band extending the width of the North Portal façade is incised with 1924 incised over the tunnel crown. A two door, metal-framed gate blocks the entrance to the North Portal. Doors are covered with metal wire mesh supported by metal cross bracing. (See continuation sheet)

*P3b. Resource Attributes: (List attributes and codes) (HP11) Tunnel

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession #) Photograph 1, camera facing south, November 14, 2003.

*P6. Date Constructed/Age and Sources: Historic Prehistoric Both
1924, NWP Company Records

*P7. Owner and Address:

Marin County
3501 Civil Center Drive
San Rafael, California 94903

*P8. Recorded by: (Name, affiliation, address)
Rand Herbert
JRP Historical Consulting
1490 Drew Ave, Suite 110,
Davis, CA 95616

*P9. Date Recorded: November 14, 2003

*P10. Survey Type: (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.") JRP Historical Consulting, "Historical Resources Inventory and Evaluation Report: Northwestern Pacific Railroad Segment, California Park Hill Railroad Tunnel Project," January 2004.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record
 District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record
 Other (list) _____

State of California — The Resources Agency
 DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE AND OBJECT RECORD

B1. Historic Name: Tunnel Number 3 of the Northwestern Pacific Railroad

B2. Common Name: California Park Hill

B3. Original Use: Railroad Tunnel B4. Present Use: Tunnel (currently blocked)

*B5. Architectural Style: Tunnel

*B6. Construction History: (Construction date, alteration, and date of alterations) original tunnel constructed 1884; substantially widened and reconstructed in 1924, including widening approach cuts, retimbering, and addition of concrete portals, essentially replacing original tunnel; October 1990 fire collapsed crown at South Portal and approximately 140 feet within the tunnel; previous to June 1992 an eight foot section near the North Portal collapsed; 1995 repairs made to North Portal end.

*B7. Moved? No Yes Unknown Date: _____ Original Location: _____

*B8. Related Features: _____

B9. Architect: N/A b. Builder: Northwestern Pacific Railroad

*B10. Significance: Theme n/a Area n/a
 Period of Significance n/a Property Type n/a Applicable Criteria n/a

(Discuss Importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The California Park Hill Tunnel does not appear to meet the criteria for listing in the National Register of Historic Places, nor does it appear to be a historical resource for the purposes of CEQA. This tunnel does not appear to be significant for its association with historic events or trends in Marin County or in state or national history (Criterion A), nor is it associated with any known historic person (Criterion B). The resource does not embody distinctive engineering characteristics (Criterion C), nor will it likely yield information important to our history (Criterion D). In addition, the tunnel segment lacks integrity to its potential period of historic significance. (See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:

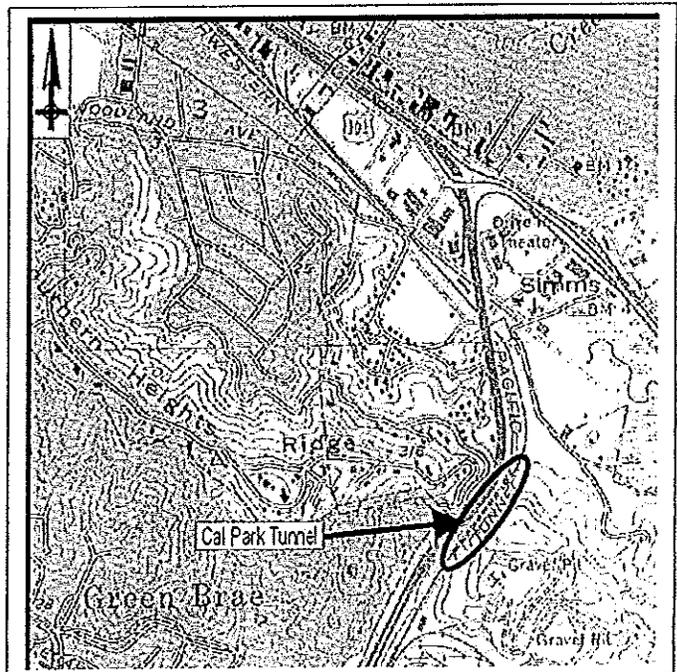
See footnotes, Significance, B10.

B13. Remarks:

*B14. Evaluator: Rand Herbert, Cindy Toffelmier

*Date of Evaluation: December 4, 2003

(This space reserved for official comments.)



*Required Information

P3a. Description (continued):

Each door measures approximately 18 feet long by 13 feet wide. A concrete slab walkway covering the east edge of the former railroad alignment leads to the North Portal as seen in **Photograph 2**. Rails leading into the tunnel have been removed and area is covered with vegetation.

The South Portal, located directly adjacent and east of Highway 101, is also faced with board form, poured concrete. (**Photograph 3 and 4**) The frieze band extending the width of the South Portal façade is also incised with 1924, which is positioned over the tunnel crown. Tunnel opening is blocked by earth fill, which extends for a distance of approximately 140 feet into the tunnel. Rails leading into the tunnel have been removed and area is covered with overgrown vegetation.

Tunnel shoring consists of 12-inch by 14-inch vertical timber posts set in concrete with 4-inch by 14-inch timber posts set above main posts in a jointed, interlocking pattern that conforms to the tunnel arch. (**Photograph 5 and 6**) An eight-foot interior surface section near the North Portal is lined with cast-in-place reinforced concrete. A single track runs through the center of the tunnel floor.

B10. Significance (continued):

The California Park Hill Tunnel¹ (tunnel No. 3) is a 1924 tunnel built by Northwestern Pacific Railroad (NWP) on the site of an 1884 tunnel constructed by San Francisco & San Rafael Rail Road Company, one of the numerous railroads merged into NWP in 1907 by parent companies Southern Pacific Railway (SPRR) and the Atcheson, Topeka & Santa Fe Railroad (Santa Fe). Once consolidated, the NWP joined in the continuing development of the north bay and northern California counties of Marin, Sonoma, Napa, Mendocino and Humboldt transportation network. Following early wagon roads and proceeding modern highway construction, NWP, as was the case with all railroad development of the time, represented late nineteenth century and early twentieth century transportation trends for both passenger and freight transportation. However, new technology developed in the twentieth century greatly affected trends in transportation. To accommodate new technology, NWP regularly upgraded structures and railroad lines, such as use of electric powered trains. Tunnel No. 3 is one of numerous components of the NWP network modified to accommodate changing transportation trends. Even with routine upgrades, NWP struggled to stay competitive and solvent while serving Marin County residents with reasonably priced transportation into San Francisco. In the first decade of the twentieth century, the automobile began to emerge as a new mode of transportation in California, and soon thereafter an interconnected highway system largely replaced the railroad network that linked northern California coast counties with San Francisco. Not unique, NWP's struggle to remain profitable was a struggle faced by most railroad companies in the early twentieth century. This statement of significance will describe the development and decline of NWP in Marin County, from its nineteenth century freight and passenger rail service to twentieth century interurban passenger service and freight service to north bay and north coast counties. It will also address the significance of the California Park Hill Tunnel in the development of the NWP transportation network.

¹ The California Park Hill Tunnel has been known by a variety of names throughout its history. For the purposes of this report, the California Park Hill Tunnel will be referred to as Tunnel No. 3, which was its designation as the third tunnel in the northward progression of tunnels constructed along the main line of the Northwestern Pacific Railroad beginning from the line's origin at Point Tiburon.

State of California	The Resources Agency	Primary #
DEPARTMENT OF PARKS AND RECREATION		HRT #
CONTINUATION SHEET		Trinomial

Historical Context of Northwestern Pacific Railroad

The rail system in Marin County dates from the 1860s, when local entrepreneurs sought to develop a transportation network for both freight and passenger travel between the urban center of San Francisco and the increasingly populous Marin and Sonoma Counties. In the late 1850s, north bay communities were looking for more efficient, cost-effective ways to transport local goods to the San Francisco market. By 1860, Sonoma and Marin Counties had a combined population of over 15,000.² While farming occupied much of the developed north bay land, farms tended to be near population centers such as San Rafael, Petaluma, and Santa Rosa. San Rafael and Petaluma were served by steamboats. Wagons transported local products to central towns, then to river outlets, which connected north bay communities to San Francisco by steam ferry service. In April 1862 the California legislature granted Charles Minturn, who ran several steam-powered ferryboat enterprises around the San Francisco Bay, the right to build the Petaluma & Haystack Railroad. This first north bay steam-powered railroad ran the two and a half miles between Petaluma and Haystack Landing on Petaluma River, and connected with Minturn's steam powered ferryboats. Steamboats on the run were the *Clinton* and *Contra Costa*, small, single-ended boats that could navigate the river. Local goods still reached Petaluma by wagon road and were loaded onto railroad cars for transport to the river landing. There they were put onto the ferries, which were then sent to San Francisco shipping companies or local markets.³

Over the next twenty years, north bay communities sought way to improve local transportation. Citizens' groups funded construction of rail lines reaching further inland, attempting to reduce wagon transportation and use the more efficient rail car. Railroad construction was an expensive and largely financially unsuccessful process. Numerous locally-funded railroad companies organized, merged, and consolidated. In 1868, the Sonoma County Railroad Company incorporated for the purposes of building a line from Petaluma to Healdsburg via Santa Rosa. That same year Sonoma County Railroad Company merged with San Francisco & Humboldt Bay Railroad Company, which was organized in 1865 to build a railroad from Petaluma to Cloverdale. The company ran out of money after laying ten miles of track.⁴ While the companies were not financially successful, they did manage to build miles of track, adding to the region's expanding steam railroad network.

In 1869, Peter Donahue, developer of the San Francisco & San Jose Railroad (the line now operated as Caltrain) and owner of several small railroad companies in California, organized the San Francisco & North Pacific Rail Road Company and joined with San Francisco & Humboldt Bay Railroad to complete a standard gauge line to Cloverdale.⁵ In 1877, Donahue consolidated the San Francisco & North Pacific Rail Road, the Sonoma & Marin

²"Historical Census Population of Places, Towns, and Cities in California, 1850-1990," accessed online December 17, 2003, "Welcome to California" website sponsored by the State of California, 2003, <http://www.dof.ca.gov/HTML/DEMOGRAP/CALHIST2a.XLS>. Population statistic: Sonoma County, 11,867, Marin County, 3,334.

³ John Haskell Kembel, *San Francisco Bay: A Pictorial Maritime History* (New York: Bonanza Books, 1957), 57; Fred A. Stindt and Guy L. Dunscomb, *The Northwestern Pacific Railroad, Redwood Empire Route* (Redwood City, CA: Fred A. Stindt, publisher, 1964), 10.

⁴ Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 15.

⁵ Peter Donahue came to San Francisco in 1849 and after a short stint in the gold fields, returned to San Francisco and opened a blacksmith shop, which was the beginning of the Union Iron Works, the first foundry in California. Locomotives and cars for Donahue's railroad lines were built in the Donahue foundry. Donahue, with his two brothers, was also the main force behind organizing the San Francisco Gas Company, the first gas utility company in California and the forerunner of Pacific, Gas & Electric Company. For a short

Railroad and the Fulton & Guerneville Railroad, all railroads in which Donahue held controlling interest, into the San Francisco & North Pacific Railroad (SF&NPRR). Since the days of the Petaluma & Haystack Railroad, Petaluma had been firmly established as the southern terminus for the expanding rail transportation in the north bay counties because of its connection with the steamboats operating on Petaluma River. The Petaluma River became increasingly difficult for boats to negotiate, so Donahue sought a more direct path to connect his railroad to his ferry services. By 1879, Donahue extended the SF&NPRR south into San Rafael, where the standard gauge track of the SF&NPRR connected with the narrow gauge San Rafael & San Quentin (SR&SQ), a shortline connecting San Rafael to Point San Quentin, where there had been steamboat ferry service into San Francisco since 1869. The transfer between the two lines required passengers and freight to off-load from one line, and be transported by stage or wagon the half-mile to the other line. This cumbersome arrangement proved unsatisfactory, especially to Donahue who wanted his rail line to connect to his steamboat ferry line. In 1882, Donahue organized the San Francisco & San Rafael Rail Road to build a standard gauge line between Point Tiburon and San Rafael, after which the new railroad would merge with the SF&NPRR. Donahue planned a new ferry terminal for Point Tiburon, which would become the new southern terminus for the SF&NPRR. Although the distance between San Rafael and Tiburon required only nine miles of track, the hilly terrain required construction of three tunnels, including the first tunnel constructed on the site of the present California Park Tunnel. The San Francisco & San Rafael Rail Road Company completed the nine-mile line between San Rafael and Tiburon on April 28, 1884, at a cost of \$677,779.50. Tiburon became the permanent southern terminus of SF&NPRR and the point where passengers and cargo were transferred to ferries bound for San Francisco. In 1884, Donahue and the SF&NPRR controlled over 100 miles of railroad line through Marin and Sonoma Counties, and ran eight steam locomotives, ten passenger cars, three baggage, mail and express cars, and 222 freight cars.⁶

Donahue died on November 26, 1885, passing the control of the SF&NPRR to his son, J.M. Donahue, who continued expanding passenger and freight services. The railroad was sold at public auction upon J.M. Donahue's death in 1889 to A.W. Foster, Sydney V. Smith and Andrew Markham, who consolidated the SF&NPRR, Cloverdale & Ukiah Rail Road Company, San Francisco & San Rafael Rail Road, Marin & Napa Rail Road, Sonoma & Santa Rosa Rail Road, and Sonoma Valley Railroad into the San Francisco & North Pacific Railway Company. In 1898, the San Francisco & North Pacific Railway Company entered into a twenty-year lease agreement with the California Northwestern Railway Company, a newly incorporated entity whose backers were interested in connecting the Eureka, Humboldt County and Mendocino coastal timber regions with San Francisco Bay. The growing wood products industry of the north coast counties required a more efficient and cost effective method of moving timber and timber products than transport by ship. By 1902, the California Northwestern Railway Company laid its tracks as far north as Willits in Mendocino County.

The leaders of the Southern Pacific Railroad (SPRR), who up until this time considered north-coast railroad development unimportant, began to take an interest. Already well established in the Central Valley and the East Bay area with its western terminus in Oakland, the SPRR now considered north coast timber as a potentially lucrative addition to their freight business. Connecting the Eureka and Arcata area with San Francisco Bay

biography of Peter Donahue see: Charles M. Coleman, *PG&E of California: The Centennial Story of Pacific Gas and Electric Company, 1852-1952*, (New York: McGraw-Hill Book Company, Inc., 1952). See also: Richard H. Dillon, *Iron Men: Peter, James, and Michael Donahue: California's Industrial Pioneers*, (Richmond, California: Candela Press, 1984).

⁶ Stanley Borden, "History of the Northwestern Pacific Railroad," *Western Railroader* 12, 7 (May 1949), 3-5; Kemble, *San Francisco Bay*, 46.

Coast/North Shore Railroad were named the Shore Division. Within a few years, the company combined Western Division and Shore Division into the Southern Division.¹⁰

The Shore Division's narrow gauge lines built by the North Pacific Coast Railroad (NPCR) formed the basis for the early interurban travel in southern Marin County. The NPCR was incorporated in 1871 to build a narrow gauge track running steam trains north from the Sausalito Ferry Terminal to San Anselmo, a line which over the next thirty years extended north to Cazadero through consolidation of numerous companies incorporated to build short segments. NPCR's history was one of financial instability and frequent reorganization under a long line of changing ownership. Originally constructed to reach the timber communities of Marin and Sonoma counties, its tracks wound through Coast Redwood country. The economic decline in the 1890s resulted in a falling off of lumber and agricultural freight shipments. To generate revenues, NPCR joined with Marin County communities in an extensive marketing campaign to promote Marin County as a desirable alternative to San Francisco living. The scheme was not considered a success. Even though ridership increased, population statistics showed negligible increases for Marin County between the 1890 and 1900 census years.¹¹ Increased ticket sales reflected another marketing strategy promoted by the railroad during the early years of 1900s; NPCR marketed the "Redwood Empire" as a recreation destination for San Franciscans. Even though freight revenues declined, because of increased passenger ridership between 1892 and 1901, the NPCR showed a profit every year except 1896 and 1898.¹² In 1894, NPCR added a double-end ferry, the *Sausalito*, to augment their ferry service. The *Sausalito* was equipped to carry narrow gauge freight cars on the lower deck.

In 1902, a group of investors organized by John Martin and Eugene de Sabla, Jr. recognized the potential of the southern Marin County portion of the NPCR as a good choice for an electrified commuter railroad and purchased the system.¹³ Martin changed the name of North Pacific Coast Railroad to North Shore Railroad (NSRR) and began converting its narrow gauge track to standard gauge track with a "third rail" method of electrification. This conversion required two extra rails: one to accommodate the standard gauge electric cars and another rail to carry the electricity. This method was the most efficient for transmission of the high-voltage electricity required to power the trains, and involved a third rail to run alongside the tracks. This "third rail," mounted on wooden insulators, carried the electric current. A rod extended from under the rail car and connected to the power supply. Although efficient, the system posed considerable danger from electrocution and required insulated covers inside train stations and anywhere the rails might contact humans. The NSRR became the first, third-rail electric railway in California when the electric interurban began service in August 1903. Commuter trains ran between the passenger ferry terminal in Sausalito to Mill Valley along the path of the old North Pacific Coast Railroad. The first trip from Sausalito to San Rafael via electric train took place on September 19, 1903. In 1904, SPRR purchased the NSRR, which it consolidated into the NWP in 1907.

From 1908 to 1914, the NWP completed numerous construction projects to modernize the line's southern end. The most significant was the 1.4 mile section of track constructed between Baltimore Park (now part of Larkspur)

¹⁰ Fred A. Stindt, "Northwestern Pacific Railroad, Narrow Gauge," *Western Railroad* 31,2 (December 1968): 3.

¹¹ "Historical Census Population of Places, Towns, and Cities in California, 1850-1990," accessed online December 17, 2003, <http://www.dof.ca.gov/HTML/DEMOGRAP/CALHIST2a.XLS>.

¹² Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 31.

¹³ Development of electrified urban streetcars dated to the 1860s but interurban transportation began in 1893 with a line between Portland, Oregon and Oregon City. In California, John Martin and Eugene de Sabla, Jr. pioneered the construction of high voltage transmission lines over long distances and were among the founders of the Pacific Gas & Electric Company. See: Coleman, *P.G.&E. of California*, 128-137.

and Detour (historic community south of Corte Madera Creek on the NWP line) in 1909. This new section shifted the southern terminal from Point Tiburon to Sausalito for all through steam passenger service. Tiburon continued to be used as the freight loading station. The new line for passenger service now originated in Sausalito, followed a northwest track to Baltimore Park, turned northeast to Detour and connected to the old main line just south of Tunnel No. 3. Over the next several years NWP undertook numerous projects to update the line and improve operations, hoping to increase profits. One such project laid a second track between the Greenbrae Station and San Rafael Station, a section of track that included Tunnel No. 3. As the 1884 single-track tunnel was not wide enough to allow for a double track, engineers chose a Gauntlet Track system through Tunnel No. 3. A Gauntlet Track allowed both tracks to join at either end of the tunnel, which remained single tracked.¹⁴

At this time, the electric interurban route ran northwest from Sausalito to San Anselmo, then east to San Rafael, bypassing Tunnel No. 3. After the completion of the Baltimore Park-Detour cut off in 1909, electric train service continued to run over the Sausalito-San Anselmo-San Rafael route until 1924. During the early 1920s, track modifications on the Detour-San Rafael segment included the installation of a double track drawbridge over Corte Madera Creek at Greenbrae, a double track trestle, and double tracking Tunnel No. 3, all with the necessary third rail to power electric trains. After completion of double tracking in 1924, electric interurban passenger service was routed over the Baltimore Park-Detour cutoff and through Tunnel No. 3 to San Rafael.¹⁵

The introduction of electric interurban transportation replaced narrow gauge commuter passenger service throughout southern Marin County, although steam narrow gauge service, both freight and passenger, continued running the length of the line for several years. The 1906 earthquake and fire produced a short-lived expansion of the north coast timber industry, which was still serviced by old, narrow gauge lines; but as rebuilding wound down, freight revenues dropped off, and once again the line could not cover expenses. For efficiency, NWP converted more of its track to standard gauge. In 1910, NWP ended the narrow gauge freight car ferry transfer between Sausalito and San Francisco by removing the third rail from their freight car transporting ferries.¹⁶

Narrow gauge steam passenger service saw some revenue increases in the years after NWP consolidation. NWP continued the North Pacific Coast Railroad's marketing strategy in promoting the Redwood Coast as a resort destination to urban San Franciscans. NWP released an annual publication, "Vacation," which advertised the many resorts and attractions to be found along the NWP redwood line. NWP marketed the "Triangle Trip," a course originating at the Sausalito ferry terminal, traveling northwest to Monte Rio, east along the Russian River to Fulton, then returning to Sausalito by way of Santa Rosa, Petaluma, and San Rafael, as one of the "finest sight-seeing Trips in the World."¹⁷ Several additional trains were added between 1910 and 1914 during the summer months to meet the passenger increases. However, increased revenues did not balance costs on the aging line. By the mid-1920s the communities served by the narrow gauge steam line regularly complained about the old equipment and unsafe conditions, and in 1927 the California State Public Utilities Commission issued a report that

¹⁴ Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 53; Public Utilities Commission, "Profile and Alignment Mapping of the Northwestern Pacific Railway, Tiburon to Sonoma County Line, Marin County, California," October 3, 1912, Public Utilities Commission Records, California State Archives, Sacramento, California.

¹⁵ Northwestern Pacific Railroad Company, "Authority for Expenditure/Executive Authority Records, Number 1484 and 1484 supplement," Northwestern Pacific Railroad Collection, California State Railroad Museum Library, Sacramento, California; "History of the Northwestern Pacific Railroad," 6-7; Paul Trimble, *Interurban Railways of the Bay Area* (Fresno: Valley Publishers, 1977), 67-76.

¹⁶ "Northwestern Pacific Railroad: Narrow Gauge," 4-5.

¹⁷ Northwestern Pacific Railroad advertising that appeared in the official time schedule dated August 1, 1912. Reprinted in: Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 52.

outlined the bleak prospects of the narrow gauge line. The commission recommended the line be abandoned and services replaced by a motor bus with space for 15 passengers, 1500 pounds of freight, express and mail. By 1929 all remaining narrow gauge tracks running stream passenger trains had been abandoned.¹⁸

During the 1920s, increased use of automobile contributed to the drop in passenger patronage. Heavy annual losses caused Santa Fe to sell out to SPRR; in 1929, the SPRR purchased the Santa Fe's interest in the NWP for \$4.6 million, and the NWP became solely a subsidiary of the SPRR.¹⁹ The completion of the Golden Gate Bridge in 1937 provided an automobile connection between San Francisco and Marin County that led to the end of the passenger and freight ferry service and interurban rail transportation to the north bay counties of Marin, Sonoma, and Mendocino. The increasing popularity of automobile ownership, aging rolling stock, and the need for parent company SPRR to eliminate the money-losing commuter lines led the California Railroad Commission to permit abandonment of the interurban-ferryboat services to southern Marin County in 1941. The last electric interurban train in southern Marin County ran February 28, 1941. That same year, the southern terminal of NWP passenger operations shifted from Sausalito to San Rafael, bypassing Tunnel No. 3. In 1972 NWP ended all train service between Sausalito and San Rafael.²⁰

Increased popularity of automobiles coupled with the economic hardships of the Depression contributed to a decline in the use of the NWP line between Willits and Arcata. Both freight and passenger service cut backs dictated branch line and main line closures. Although World War II provided a resurgence of use for the railroad, especially in freight movement, post-war prosperity resumed more cutbacks for NWP as car and truck travel grew. In May of 1942, NWP ended the day passenger service train to Eureka, and by 1958 a small train came through the Eel River Canyon only three times a week. That same year, NWP discontinued the train between San Rafael and Willits. By 1970, the midweek run was cancelled, with only a weekend schedule remaining. In 1984, SPRR sold the trackage from Willits north to Korblex to Eureka Southern Railroad, later named North Coast Railroad. In 1996, the North Coast Railroad and the former south end of the NWP became the Northwestern Pacific Railroad under public ownership.²¹

Table 1: Railroads Consolidated to Form the Northwestern Pacific Railroad and their Subordinate Lines

Railroads	Date Incorporated	Railroad Lines Absorbed and Year of Original Incorporation
San Francisco & North Pacific Railway	December 12, 1888	Contra Costa Steam Navigation Co., 1852 Petaluma & Haystack, 1862 San Francisco & Humboldt Bay Railroad, 1868

¹⁸ "Northwestern Pacific Railroad: Narrow Gauge," 15. Trimble, *Interurban Railways of the Bay Area*, 5; "Obituaries, The Northwestern Pacific," *Pacific Traveler*, Railroad Issue, No. 54, October 1971, 8.

¹⁹ Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 48, 54; Kneiss, *Redwood Railway*, 134; Northwestern Pacific Railroad, *Re-driving of the Golden Spike: Northwestern Pacific Rail Service Restored After 1964 Flood Damage* (Northwestern Pacific Railroad Company, 1965), n.p.

²⁰ Paul Trimble, *Interurban Railways of the Bay Area* (Fresno: Valley Publishers, 1977), 67-76.

²¹ "Obituaries, The Northwestern Pacific," 8; Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 54-55; Northwestern Pacific Railroad Historical Society, webpage accessed on December 16, 2003. Page created August 29, 2000. Last updated February 13, 2001, <http://www.NWPRRH.ORG>.

		Sonoma County Railroad, 1868 San Francisco & North Pacific Rail Road Co., 1869 Sonoma & Marin Railroad, 1874 Sonoma Valley Prismoidal Railway, 1875 San Francisco & North Pacific Railroad, 1877 Fulton & Guerneville Railroad, 1877 Sonoma Valley Railroad, 1878, 1885 Sonoma & Santa Rosa Rail Road, 1881 San Francisco & San Rafael Rail Road, 1882 Marin & Napa Railroad, 1886 Cloverdale & Ukiah Rail Road, 1886 Santa Rosa, Sebastopol & Green Valley Railroad, 1889
California Northwestern Railway	March 17, 1898	
North Shore Railroad	January 11, 1902	San Rafael & San Quentin Rail Road, 1869 North Pacific Coast Railroad, 1871 North Pacific Coast Railroad Extension Co., 1882 North Western Railroad Co. of California, 1885 San Francisco, Tamalpais & Bolinas Railway, 1889
San Francisco & Northwestern Railway	May 12, 1903	Pacific Lumber Co., 1869 The Pacific Lumber Co., 1883 Eel River & Eureka Rail Road, 1882 California & Northern Railway, 1900 California Midland Railroad, 1902
Eureka & Klamath River Railway	January 6, 1896	Vance's Mad River Railroad, 1875 Humboldt Bay & Trinidad Logging & Lumber Co., 1891

The California Park Hill Tunnel, Tunnel No. 3

As stated previously, the first tunnel constructed on the site of the California Park Hill Tunnel was one of three tunnels Peter Donahue's San Francisco & San Rafael Railroad built between Tiburon and San Rafael in 1884 to connect a standard gauge line to ferry service on San Francisco Bay. The line was a single track, approximately nine miles long. Of the three original tunnels built on this nine-mile section, the California Park Hill Tunnel, Tunnel No. 3, was the only to include any untimbered interior surfaces. As originally built, the 1094 feet long tunnel had approximately 353 feet of untimbered surface.²²

After NWP incorporated in 1907, the resulting projects to update the line's southern end included Tunnel No. 3. Now part of the main line for steam passenger service out of Sausalito and the main line for freight out of Tiburon, the line between Detour and San Rafael, including Tunnel No. 3, needed updating with double tracking. The engineers chose a Gauntlet track for Tunnel No. 3. A Gauntlet track is a way of overlapping two separate

²² "The Donahue Extension," *Marin County Journal*, October 25, 1884, page 2.
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tracks through a restricted space. Tracks leading into and out of tunnel portals are double track but through the tunnel section tracks are overlapping, creating four rails in close proximity. Operationally, a gauntlet section acts like a single track, as trains cannot run over the two tracks simultaneously.²³

Tunnel No. 3's capacity and condition again came under scrutiny in the 1920s during a general modernization of NWP resources. During 1924, NWP spent over \$800,000 in Marin County on improvements. Tunnel No. 3 underwent extensive changes. NWP officials wanted to route interurban electric trains over the Baltimore Park-Detour cut-off which required electrifying the section between Detour and San Rafael, including Tunnel No. 3. Because of its placement on both the main line for freight traffic originating out of Tiburon and the main line for passenger service originating out of Sausalito, Tunnel No. 3 had to accommodate large box freight cars and an interurban electric line. The Gauntlet track was no longer an adequate solution.

NWP officials ordered tunnel reconstruction projects to include widening approach cuts, new wood portals, and construction of a second track through the tunnel. Work was to commence in October 1923 at the close of the summer traffic season. Original estimates took into account that a large portion of the tunnel would require no timber lining, an estimate based on existing tunnel conditions where close to 50 percent of the tunnel was untimbered. Once excavation began, unstable soil conditions dictated the need to timber old untimbered sections, resulting in a complete retimbering of the tunnel with timbers placed on concrete footings. Increased approach cuts created heavy end pressure on the portal requiring replacement of timber structures with concrete portals. The reconstruction of Tunnel No. 3 required a total of \$208,021 to complete. The project was completed in July 1924. After construction, tunnel No. 3 was approximately 1100 feet long, 30 feet wide, and 24 feet high at the crown.²⁴

In October 1990 a fire consumed some of the tunnel's timbers and collapsed the crown at the South Portal, along with a 140-foot section extending into the tunnel. To stop the fire, crews plugged the North Portal and the sinkhole above the South Portal with earth fill. An October 1991 inspection revealed that in addition to the 140 feet of collapsed tunnel, there was also fire damage to approximately 465 linear feet of the timber lining. Between October 1991 and June 1992 an eight-foot long section of tunnel collapsed near the North Portal. Crews repaired this collapsed section in 1995, removing the North Portal blockage and applying cast-in-place reinforced concrete lining to the walls of the eight-foot section for added structural support.

Railroad Tunnels as a Resource Type

The NWP main line included forty tunnels. Added to this number were five additional tunnels along the old narrow gauge route between Sausalito and Cazadero and two tunnels on a narrow gauge route abandoned in 1884. Of the forty main line tunnels, ten were originally built in the nineteenth century with another two constructed before NWP incorporation in 1907. Of these twelve tunnels, ten were constructed in the southern stretch between Tiburon and Willits. Tunnel numbers 1-3 were built by the San Francisco & San Rafael Rail Road and incorporated into the San Francisco & North Pacific Rail Road upon completion. The San Francisco & North Pacific Rail Road built Tunnel No. 4 in 1879. The Cloverdale & Ukiah Rail Road constructed Tunnels 5-9 in

²³Craig Dewick, "Possum Power Tank's Great Australian Railroad FAQ, What is a Gauntlet Track?" Website accessed November 28, 2003 http://lios.apana.org.au/~craigd/ppt_faq/faq2.html; Public Utilities Commission, "Profile and Alignment Mapping . . . Tiburon to Sonoma County Line, Marin County, California," October 3, 1912.

²⁴Northwestern Pacific Railroad, "Authority for Expenditure/Executive Authority Records, Number 1484 and 1484 supplement."

1889 and California Northwestern Railway constructed the last, Tunnel No. 10, in 1902. The remaining two represent construction south from Eureka. The Eel River & Eureka Railroad constructed Tunnel No. 40 in 1884 and San Francisco & Northwestern Railway completed tunnel No. 39 in 1904. NWP constructed twenty-eight tunnels between 1910 and 1914 to complete the north / south connection between Willits and Shively. Most have undergone some form of reconstruction such as widening, timber replacement, concrete reinforcing, or new tracking.²⁵

Tunnels range in length from 106.5 feet long (Tunnel No. 23, constructed in 1913) to 4,313.1 feet long (Tunnel No. 27, constructed in 1913). Thirty-one tunnels are less than 1,000 feet long. Seven tunnels are longer than Tunnel No. 3. Eight of the tunnels on NWP main line have timber lining without concrete reinforcing. The remaining thirty-two tunnels combine concrete with timber lining. Tunnel No. 3 is among this number. One tunnel has one rock portal and one timber portal. Ten of the tunnels have timber portals. Eighteen tunnels have one portal of concrete and one of timber. Tunnel No. 3 is among the eight tunnels that have two concrete portals.²⁶

Evaluation of the California Park Hill Tunnel, Tunnel No. 3 of the Northwestern Pacific Railroad

The following discussion presents an evaluation of the California Park Hill Tunnel (Tunnel No.3) under National Register and California Register criteria. Examining a single structural element of NWP for significance under Criterion A, as in the case of Tunnel No. 3, requires the evaluation consider its context as an element in the entire line as well as an individual structure. As an element in NWP, Tunnel No. 3 is part of a vast number of elements contributing to the larger NWP system, which included over 570 miles of track, 47 tunnels, 62 bridges in excess of 300 feet, 57 trestles in excess of 300 feet, and numerous smaller trestles of varying designs. Collectively, all of these elements served important functions to the total NWP system. This context requires an evaluation of the entire NWP in order to determine significance for individual elements. As an individual structure, the potential period of significance for the California Park Hill Tunnel began in 1924, when reconstruction essentially replaced the original tunnel constructed in 1884 and opened it for through steam freight, steam passenger and electric interurban commuter traffic. The tunnels potential period of significance continued until 1941, at which time NWP shifted its southern terminal for steam passenger service to San Rafael, bypassing Tunnel No. 3 and ended electric interurban service throughout southern Marin County.

Criterion A (or 1): Railroads, with their associated tunnels, trestles and bridges are potentially significant under Criterion A if they are importantly associated with trends and/or events in transportation development regional or local economic development. Establishing significance, though, should be done with certain principles in mind. Railroads, like other transportation infrastructure, are inherently important to their communities as they substantially affect communication and the distribution of people, goods, and services that in turn affects development on both the local and regional levels. This impact does not typically provide sufficient evidence to demonstrate how a railroad line may be deemed significant for its association with an important historic context; otherwise virtually any railroad, with associated structures would be shown to be important in this way.

²⁵ Authority for Expenditure Records provide evidence that most tunnels underwent some form of reconstruction during the period between 1921-1929. See: Authority for Expenditure/Executive Authority Records, Northwestern Pacific Railroad Collection, California State Railroad Museum Library, Sacramento, California.

²⁶ NWP Main Line Tiburon-Eureka Tunnel statistics compiled by Fred A. Stindt and appear in Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 119.

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*Resource Name or # (Assigned by recorder) Map Reference # 1

*Recorded by Rand Herbert *Date November 14, 2003 Continuation Update

To be eligible for listing in the National Register, resource types such as railroads and other transportation infrastructure must have demonstrable importance directly related to important historic events and trends, with emphasis given to specific demand for such infrastructure, and its effects on social, economic, commercial, and industrial developments locally, regionally, or nationally. In this way, railroad lines and associated structures, may be significant as physical manifestations of important transportation and community developments on the local, regional, state, or national level.

The most common instance in which a railroad line or its separate structural components might be considered under Criterion A would be if it either the line or separate components (tunnels, trestles, or bridges) were the first to be located at its site, thus providing expanded transportation opportunity and advancing economic development into previously isolated or underdeveloped areas. This development trend is identified as "ahead of demand" development, indicating the transportation route predated development and subsequent development directly related to the presence of the transportation route. One such example of this development pattern would be the line Southern Pacific Railroad constructed down the length of California's San Joaquin Valley. While several towns connected by wagon road existed in the Central Valley, the placement of the new line away from the wagon road initiated the development of a large number of new towns along the new transportation route. These towns, now centers of main populations, exist because the railroad was built through a previously undeveloped area, which in turn opened a new area for economic development.

Railroad lines might also be considered significant under Criterion A if they were likely built to meet specific demands and resulted in immediate and / or substantial effects to a geographic location. While this level of importance typically can be associated with the initial transportation avenue at a particular location, in some cases it can be true of subsequent roads, railroad lines, or highways.

With these points in mind, the California Park Hill Tunnel, as a component of the NWP, does not appear to meet the guidelines of Criterion A. Incorporated in 1907, NWP was a consolidation of numerous lines built to meet a specific demand, to facilitate the movement of local products to a wider market, though their construction did not bring immediate or substantial effects to a geographic location. Throughout the nineteenth century, the north bay counties of Marin and Sonoma continually searched for ways to expand market potential for their local products. Because they were separated by water from San Francisco, their main market, connecting to water transportation was imperative. Farming communities established in the 1850s first hauled their goods over wagon roads to rivers that connected to the steam ferryboats, a system that existed on the San Francisco Bay from the early days of the gold rush. The early railroad lines were built to facilitate a process already occurring by other transportation methods. While one could argue that these predecessor lines were built to meet one specific demand, their construction did not bring an immediate or substantial effect to their geographic location. The original lines did not open new areas for development, but were rather an attempt from local citizens to use more modern transportation technology to improve existing access to market. In addition, the lines were not financially successful. Railroad entrepreneurs expected to turn a profit with their investments. Such was not the case in this area, as evidenced by the fact that approximately one-third of the companies that became part of the NWP never laid track. From a financial perspective, the contributing lines of NWP were not a success.

The same can be said for NWP after incorporating in 1907. Formation of NWP occurred through the desire of the SPRR and Santa Fe to profit from the north coast timber industry freight market, and building a rail line

connecting north coast lumber mills with the San Francisco shipping lines was long desired by the industry. Because of enormous costs, construction needed the financial backing of companies of the size of SPRR and Santa Fe. Even these two major railroads recognized that their financial interest dictated a merger rather than competition. Upon incorporation, NWP constructed the line through the Eel River canyon and opened through service to Eureka. However, the line between Willits and Eureka was finally completed in 1914, at the end of the age of railroad transport. The automobile was already having an impact on transportation trends and California was in the beginning stages of developing a state highway system.

Although the impetus for incorporating NWP was to move freight, mainly timber products, from the north coast lumber mills to a San Francisco market and distribution center, fluctuation in the timber industry required a broader approach to financial stability for NWP. Passenger service became the primary concern in the early years after incorporation. Upon incorporation, NWP ran a complicated network of narrow gauge local freight and passenger lines, standard gauge local freight and passenger lines, and electrified interurban standard gauge lines through established communities. NWP pursued an aggressive marketing program promoting recreation destinations and Marin County real estate. Population statistics indicate a significant growth in population between 1920 and 1930 (the decade in which Tunnel No. 3 underwent reconstruction) throughout Marin County, but increases were slightly below population increases in the San Francisco bay area counties. For example, while Marin County experienced a 60% increase in population between 1920 and 1930, Alameda County grew by more than 89%, San Mateo by over 100%, and Contra Costa County experienced a 75% increase in population.²⁷ This growth was perhaps enhanced by a generally developing infrastructure, but was not particularly attributable to NWP or its rehabilitation projects.

Marketing the Redwood Coast as a recreation destination and promoting Marin County real estate projects proved moderately successful in boosting revenues, but could not offset the financial losses of the freight service and electric railway. In inheriting the electric interurban system through consolidation, NWP faced a continual struggle to run a cost-effective and efficient line. NWP undertook massive updating projects to improve passenger service over the aging lines with realignment projects, rebuilding tunnels, trestles, and bridges, and replacing aging rolling stock. None of the measures proved effective. Heavy annual losses caused Santa Fe to sell out to SPRR in 1929. Continued losses prompted SRPP in abandon the electric interurban line. Throughout its history, NWP struggled to be profitable. This does not suggest that the NWP was particularly influential in north bay development, certainly not in the way that other rail lines (such as the Southern Pacific Railroad line through the San Joaquin Valley) were in California.

As NWP does not appear to have opened new areas for social, economic, commercial, or industrial development, nor once built did NWP appear to have in immediate and / or substantial effects to its surrounding geographic location, NWP does not appear to be eligible for listing in the National Register of Historic Places under Criterion A at either the local, state, or national level.

Examining a single structural element of NWP for significance under Criterion A, as in the case of Tunnel No. 3, requires the evaluation consider its context as a part of the entire line. The tunnel may be significant if its construction caused new areas to open for development, or its construction brought immediate and / or substantial effects to a geographic location. Such is not the case with Tunnel No. 3. Tunnel No. 3, constructed in 1924,

²⁷"Historical Census Population of Places, Towns, and Cities in California, 1850-1990," accessed online December 17, 2003, <http://www.dof.ca.gov/HTML/DEMOGRAP/CALHIST2a.XLS>.
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followed the original 1884 tunnel built on the site. The earlier tunnel was part of the San Francisco & San Rafael Rail Road's efforts to create a more direct connection for freight and passenger travel to San Francisco. The construction of the earlier tunnel did not appear to open the surrounding area for development, as San Rafael, incorporated in 1874, had been an established population center since the Mexican era and connected to San Francisco ferry service since 1869.

The 1924 tunnel reconstruction required concrete portals and interior retimbered to support double tracking and the addition of an electric "third rail," thus essentially replacing the previous tunnel and updating an aging and obsolete structure. Construction of Tunnel No. 3 did not aid in developing the surrounding area, which had been established for several decades. Moreover, Tunnel No. 3 is a single element of the NWP. Individually, any one element is part of a vast number of elements contributing to the larger NWP system, which included over 570 miles of track, 62 bridges in excess of 300 feet, 57 trestles in excess of 300 feet, numerous smaller trestles, as well as 47 tunnels. Collectively, all of these elements served important functions to the total NWP system. By itself, Tunnel No. 3 would not be considered sufficiently significant to appear to be eligible for listing in the National Register of Historic Places under Criterion A at either the local, state, or national level.

Criterion B (or 2): Research did not suggest the California Park Hill Tunnel or NWP to have associations with persons who gained prominence in their professions or made significant contributions in local, state, or national history. While certain NWP predecessor lines appeared to have associations with persons who made significant contributions to our history, such as Peter Donahue, a prominent and influential San Francisco industrialist, John Martin and Eugene de Sabla, Jr., (pioneers in high voltage electric transmission) the tunnel or the NWP are not structures that best exemplify their significance in our history. These individuals are not importantly associated with the resource in their prominent capacity. Therefore NWP and California Park Hill Tunnel do not appear eligible under this criterion.

Criterion C (or 3): The California Park Hill Tunnel is a structure of common design that represented no particular engineering achievement at the time it was constructed. At 1104.6 feet long, the California Park Hill Tunnel represents neither a significantly long tunnel among the tunnels of the NWP. Seven of the main line tunnels are longer, and 31 are shorter in length. The original tunnel constructed in 1884 was a timber-lined tunnel with timber-supported portals, a common construction method of this period. The reconstruction project undertaken in 1924 widened the tunnel and retimbered the interior support structure. Concrete portals and some concrete tunnel lining were added at this time, which was also common also for the period. Thirty-two of NWP tunnels combined concrete with timber lining. The portals on eight of the tunnels are constructed concrete. Nothing in the construction of Tunnel No. 3 suggests that it was designed and built through anything other than standard processes. Thus it would not appear to meet the criteria for listing in the National Register of Historic Places under Criterion C.

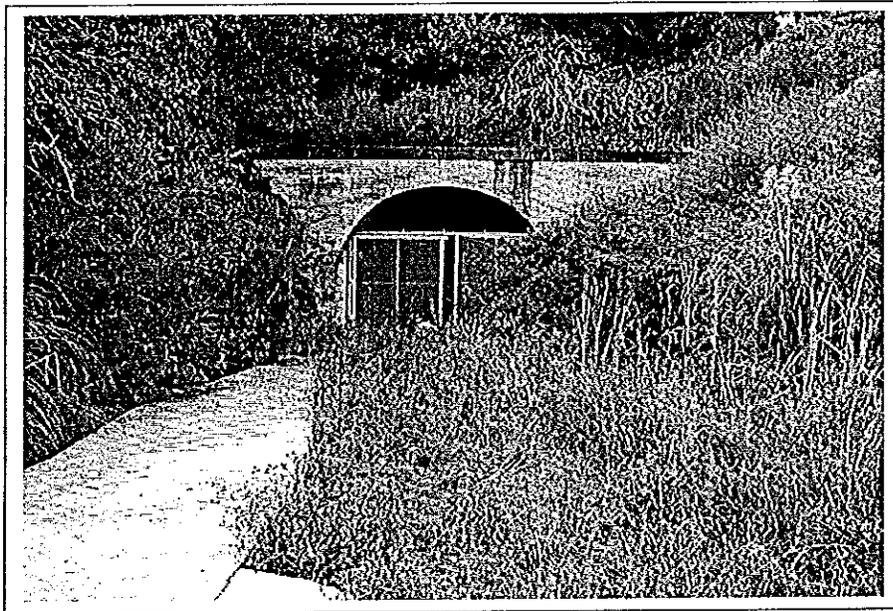
Criterion D (or 4): This criterion is usually reserved for archeological sites if they have yielded, or may likely yield, information important in pre-history or history. The property must have, or have had, information to contribute to our understanding of history, and the information must be considered important. However, this property is well documented in the historical record and thus would not appear to meet the criteria for listing in the National Register of Historic Places under Criterion D.

Integrity

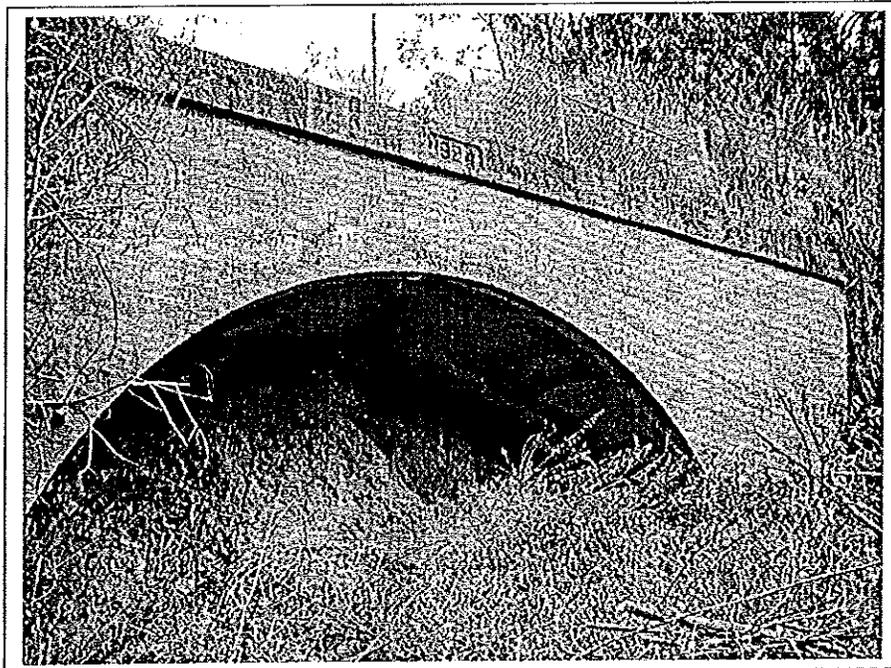
Integrity of an historic resource is measured by application of seven factors: location, design, setting, workmanship, materials, feeling, and association. Integrity should be assessed on the basis of the period of significance for a property. A property's integrity should be specifically tied to its period of significance, a linkage that is derived from National Register guidelines and regulations. The property must retain integrity to its potential period of significance if it is to meet the criteria for listing in the National Register of Historic Places or as an important resource under California law and regulations.

Although a large percentage of the structural timber of the tunnel remains in place, the California Park Hill Tunnel has not retained a high level of integrity in the seven measures when evaluated in the context of its period of significance. Fire damage to approximately 465 linear feet of the timber lining structure and added cast-in-place reinforced concrete lining to the walls have compromised the structural integrity of the original reconstruction of 1924. The collapsed crown of the South Portal and the resulting 140-foot long collapse into the tunnel further damaged structural timber. The double track system with additional third electric rail for which the original tunnel was restructured to accommodate in 1924 has been removed and replaced with a single track.

Photographs (cont):



Photograph 2, North Portal, camera facing south, November 14, 2003.

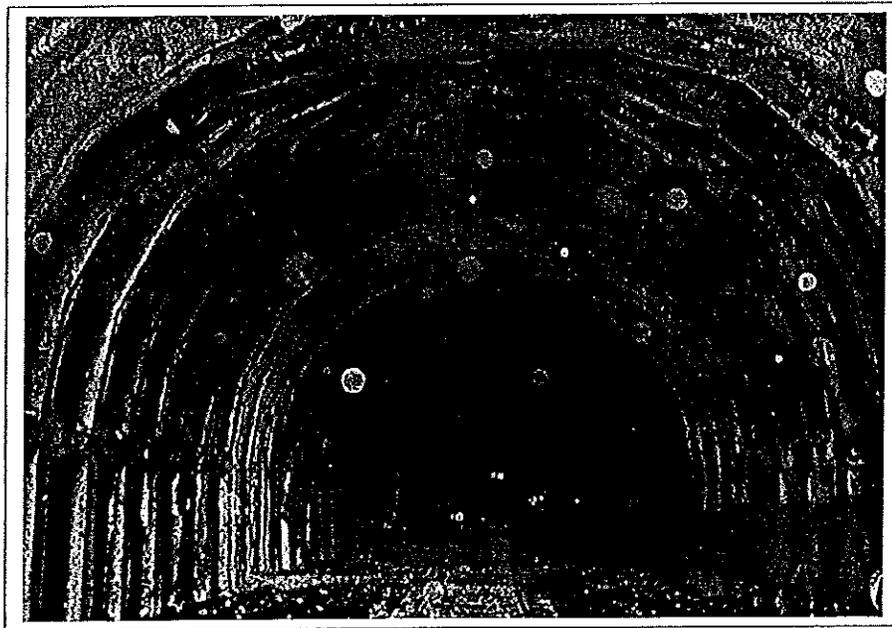


Photograph 3, South Portal, camera facing northeast, November 14, 2003.

Photographs (cont):

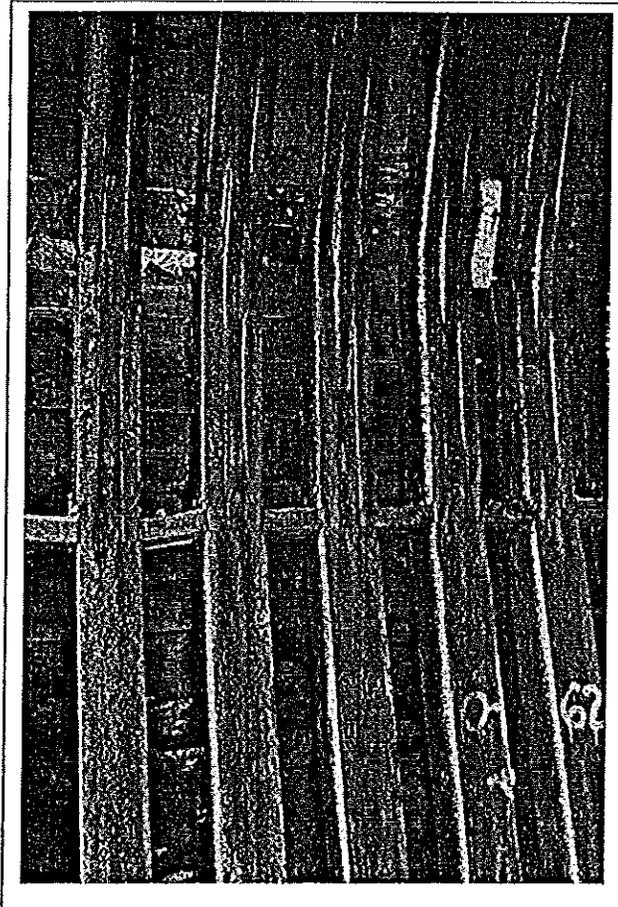


Photograph 4, South Portal, camera facing north, November 14, 2003.



Photograph 5, Tunnel interior, camera facing south, November 14, 2003.

Photographs (cont):



Photograph 6, Timber shoring, November 14, 2003.

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*Resource Name or # (Assigned by recorder) Northwestern Pacific Railroad Auburn Street Trestle

*Recorded by Patricia Ambacher, AECOM

*Date February 5, 2014 Continuation Update

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The trestle was surveyed on February 5, 2014. Since it was recorded in 2004, the trestle does not appear to have undergone any changes. A pedestrian and bicycle pathway bridge was constructed immediately east of the trestle.



P5b. Description of Photo: (View, date, accession #) Trestle and pathway bridge, camera facing northeast, February 5, 2014

*P8. **Recorded by:** (Name, affiliation, address)
Patricia Ambacher
AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

*P9. **Date Recorded:**
February 5, 2014

*P10. **Survey Type:** (Describe)
Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.") AECOM. *Historic Architectural Survey Report for the Sonoma-Marin Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project, Marin County, California*. Prepared for Sonoma-Marin Rail Transit District. 2014.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record
 Other (list) California Department of Parks and Recreation (DPR) 523 Forms for Northwestern Pacific Railroad Auburn Street Trestle, prepared by JRHP Historical Consulting, 2004

*B10. **Significance:**

This trestle was previously evaluated for the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) as part of the 2004 by JRP Historical Consulting (JRP) as part of the *Historic Property Survey Report Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project Prepared for California Department of Transportation and County of Marin Department of Public Works*. JRP concluded that the trestle was not eligible for the NRHP or the CRHR. In addition to lacking historical or architectural significance, the trestle lacked integrity of design, setting, feeling and association. In 2005, the State Historic Preservation Officer concurred that the tunnel is not eligible.

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

155042
Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6

Other Listings _____
Review Code _____ Reviewer _____ Date _____

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*Resource Name or # (Assigned by recorder) Map Reference # 3

P1. Other Identifier: Northwestern Pacific Railroad Auburn Street Trestle

*P2. Location: Not for Publication Unrestricted *a. County Marin

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad San Rafael Date 1980 T _____; R _____; $\frac{1}{4}$ of Sec _____; _____ B.M.

c. Address _____ City _____ Zip _____

d. UTM: (give more than one for large and/or linear resources) Zone _____; _____ mE/ _____ mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

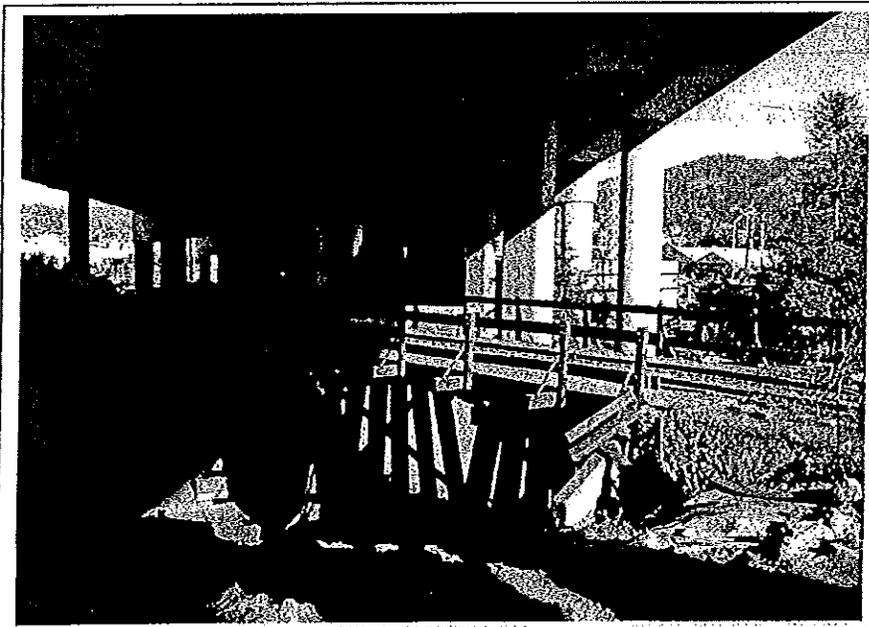
Located under U.S. Highway 101 as it crosses over Auburn Street

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The Northwestern Pacific Railroad Auburn Street Trestle is an approximately 60-foot long, wood trestle carrying one set of railroad tracks over Bellam Boulevard in San Rafael and located under Highway 101. (Photograph 1) The four span trestle is supported by three timber bents, composed of six, 12 inch by 12 inch wood posts with wood cross-bracing resting on concrete piles, and concrete abutments. (Photograph 2) Four wood stringers support the open, timber deck. The trestle is approximately 14 feet wide and includes wood plank, pedestrian walkways and wood railings running the length of the trestle on both side of the track.

*P3b. Resource Attributes: (List attributes and codes) (HP11) Trestle

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession #) Photograph 1, camera facing north, January 21, 2004.

*P6. Date Constructed/Age and Sources:

Historic Prehistoric Both
1929, Bridge Inspection Report, Northwestern Pacific, 1955.

*P7. Owner and Address:

Marin County
3501 Civil Center Drive
San Rafael, California 94903

*P8. Recorded by: (Name, affiliation, address)

Rand Herbert/Cindy Toffelmier
JRP Historical Consulting
1490 Drew Ave, Suite 110
Davis, CA 95616

*P9. Date Recorded: January 21, 2004

*P10. Survey Type: (Describe) Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.") JRP Historical Consulting, "Historical Resources Inventory and Evaluation Report: California Park Hill Railroad Tunnel Project," January 2004.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record
 District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record
 Other (list) _____

DPR 523A (1/95)

*Required Information

B1. Historic Name: Northwestern Pacific Railroad Auburn Street Trestle

B2. Common Name: Northwestern Pacific Railroad Auburn Street Trestle

B3. Original Use: Railroad Trestle B4. Present Use: Railroad Trestle

*B5. Architectural Style: Trestle

*B6. Construction History: (Construction date, alteration, and date of alterations) Constructed 1929; additional post added to bent 2 in 1953 additional post added to bent 3 and 4 after 1955; ties replaced in 1949.

*B7. Moved? No Yes Unknown Date: _____ Original Location: _____

*B8. Related Features: _____

B9. Architect: n/a b. Builder: Northwestern Pacific Railroad

*B10. Significance: Theme n/a Area n/a

Period of Significance n/a Property Type n/a Applicable Criteria n/a
 (Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Northwestern Pacific Railroad Auburn Street Trestle does not appear to meet the criteria for listing in the National Register of Historic Places, nor does it appear to be a historical resource for the purposes of CEQA. This trestle does not appear to be significant for its association with historic events or trends in Marin County or in state or national history (Criterion A), nor is it associated with any known historic person (Criterion B). The resource does not embody distinctive engineering characteristics (Criterion C), nor will it likely yield information important to our history (Criterion D). In addition, the trestle lacks integrity to its potential period of historic significance. (See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References:

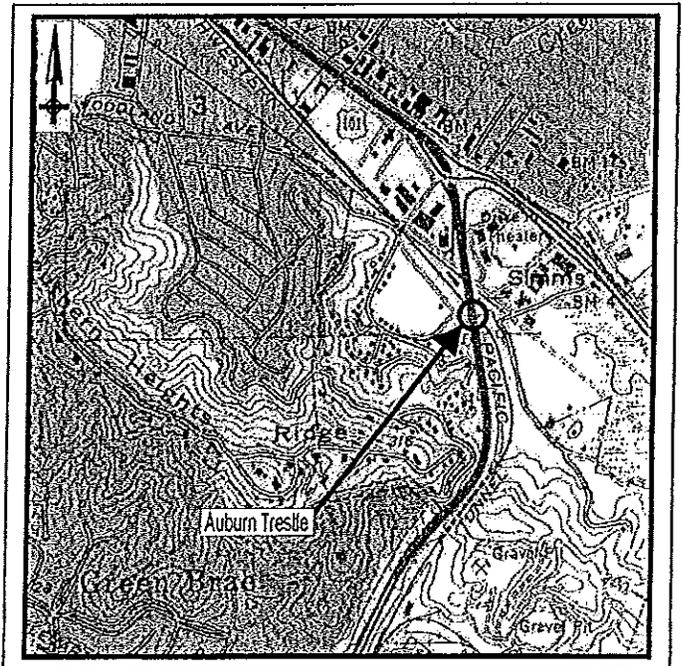
See footnotes, Significance, B10.

B13. Remarks:

*B14. Evaluator: Rand Herbert/Cindy Toffelmier

*Date of Evaluation: January 21, 2004

(This space reserved for official comments.)



B10. Significance (continued):

The Northwestern Pacific Railroad Auburn Street Trestle (Auburn Street Trestle) is a 1929 trestle built by Northwestern Pacific Railroad (NWP) on the site of a nineteenth century trestle constructed by San Francisco & San Rafael Rail Road Company, one of the numerous railroads merged into NWP in 1907 by parent companies Southern Pacific Railway (SPRR) and the Atcheson, Topeka & Santa Fe Railroad (Santa Fe). The Auburn Street Trestle is one of numerous components of the NWP network modified to accommodate changing transportation trends after consolidation. NWP regularly upgraded structures and railroad lines to keep up with twentieth century technology. Even with routine upgrades, NWP struggled to stay competitive and solvent while serving Marin County residents with reasonably priced transportation into San Francisco. NWP's struggle to remain profitable was a struggle faced by most railroad companies in the early twentieth century. This statement of significance will describe the development and decline of NWP in Marin County, from its nineteenth century freight and passenger rail service to twentieth century interurban passenger service and freight service to north bay and north coast counties. It will also address the significance of the Auburn Street Trestle in the development of the NWP transportation network.

Historical Context of Northwestern Pacific Railroad

The rail system in Marin County dates from the 1860s, when local entrepreneurs sought to develop a transportation network for both freight and passenger travel between the urban center of San Francisco and the increasingly populous Marin and Sonoma Counties. In the late 1850s, north bay communities were looking for more efficient, cost-effective ways to transport local goods to the San Francisco market. By 1860, Sonoma and Marin Counties had a combined population of over 15,000.¹ While farming occupied much of the developed north bay land, farms tended to be near population centers such as San Rafael, Petaluma, and Santa Rosa. San Rafael and Petaluma were served by steamboats. Wagons transported local products to central towns, then to river outlets, which connected north bay communities to San Francisco by steam ferry service. In April 1862 the California legislature granted Charles Minturn, who ran several steam-powered ferryboat enterprises around the San Francisco Bay, the right to build the Petaluma & Haystack Railroad. This first north bay steam-powered railroad ran the two and a half miles between Petaluma and Haystack Landing on Petaluma River, and connected with Minturn's steam powered ferryboats. Steamboats on the run were the *Clinton* and *Contra Costa*, small, single-ended boats that could navigate the river. Local goods still reached Petaluma by wagon road and were loaded onto railroad cars for transport to the river landing. There they were put onto the ferries, which were then sent to San Francisco shipping companies or local markets.²

Over the next twenty years, north bay communities sought way to improve local transportation. Citizens' groups funded construction of rail lines reaching further inland, attempting to reduce wagon transportation and use the more efficient rail car. Railroad construction was an expensive and largely financially unsuccessful process. Numerous locally-funded railroad companies organized, merged, and consolidated. In 1868, the Sonoma County

¹"Historical Census Population of Places, Towns, and Cities in California, 1850-1990," accessed online December 17, 2003, "Welcome to California" website sponsored by the State of California, 2003, <http://www.dof.ca.gov/HTML/DEMOGRAP/CALHIST2a.XLS>. Population statistic: Sonoma County, 11,867, Marin County, 3,334.

² John Haskell Kembel, *San Francisco Bay: A Pictorial Maritime History* (New York: Bonanza Books, 1957), 57; Fred A. Stindt and Guy L. Dunscomb, *The Northwestern Pacific Railroad, Redwood Empire Route* (Redwood City, CA: Fred A. Stindt, publisher, 1964), 10.

By 1905 the SPRR and the Santa Fe realized the cost of constructing and operating competing lines into the Humboldt Bay region would be too high to make a profit. Rather than compete, the two companies consolidated. The result was the NWP, incorporated January 8, 1907, which consolidated the San Francisco & North Pacific Railway, California Northwestern Railway, the North Shore Railroad, San Francisco & Northwestern Railway, the Eureka & Klamath Railroad, Fort Bragg & Southeastern Railroad, and later, the San Francisco & Eureka Railway. The SPRR and Santa Fe engineers settled on a route through the main Eel River canyon. Because of the difficult terrain, construction proceeded slowly approximately twenty-five miles per year. The NWP finally completed the line connecting Willits and Eureka in 1914.

Upon incorporation in 1907, the NWP set up in three divisions of steam powered operations. The Northern Division included the standard gauge area near Eureka. The standard gauge from Tiburon to Willits and associated branches became the Western Division. The narrow gauge lines of the former North Pacific Coast/North Shore Railroad were named the Shore Division. Within a few years, the company combined Western Division and Shore Division into the Southern Division.⁹

The Shore Division's narrow gauge lines built by the North Pacific Coast Railroad (NPCR) formed the basis for the early interurban travel in southern Marin County. The NPCR was incorporated in 1871 to build a narrow gauge track running steam trains north from the Sausalito Ferry Terminal to San Anselmo, a line which over the next thirty years extended north to Cazadero through consolidation of numerous companies incorporated to build short segments. NPCR's history was one of financial instability and frequent reorganization under a long line of changing ownership. Originally constructed to reach the timber communities of Marin and Sonoma counties, its tracks wound through Coast Redwood country. The economic decline in the 1890s resulted in a falling off of lumber and agricultural freight shipments. To generate revenues, NPCR joined with Marin County communities in an extensive marketing campaign to promote Marin County as a desirable alternative to San Francisco living. The scheme was not considered a success. Even though ridership increased, population statistics showed negligible increases for Marin County between the 1890 and 1900 census years.¹⁰ Increased ticket sales reflected another marketing strategy promoted by the railroad during the early years of 1900s; NPCR marketed the "Redwood Empire" as a recreation destination for San Franciscans. Even though freight revenues declined, because of increased passenger ridership between 1892 and 1901, the NPCR showed a profit every year except 1896 and 1898.¹¹ In 1894, NPCR added a double-end ferry, the *Sausalito*, to augment their ferry service. The *Sausalito* was equipped to carry narrow gauge freight cars on the lower deck.

In 1902, a group of investors organized by John Martin and Eugene de Sabla, Jr. recognized the potential of the southern Marin County portion of the NPCR as a good choice for an electrified commuter railroad and purchased the system.¹² Martin changed the name of North Pacific Coast Railroad to North Shore Railroad (NSRR) and began converting its narrow gauge track to standard gauge track, incorporating an additional "third rail" for electrification. The "third rail" method was the most efficient for transmission of the high-voltage electricity

⁹ Fred A. Stindt, "Northwestern Pacific Railroad, Narrow Gauge," *Western Railroad* 31,2 (December 1968): 3.

¹⁰ "Historical Census Population of Places, Towns, and Cities in California, 1850-1990," accessed online December 17, 2003, <http://www.dof.ca.gov/HTML/DEMOGRAP/CALHIST2a.XLS>.

¹¹ Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 31.

¹² Development of electrified urban streetcars dated to the 1860s but interurban transportation began in 1893 with a line between Portland, Oregon and Oregon City. In California, John Martin and Eugene de Sabla, Jr. pioneered the construction of high voltage transmission lines over long distances and were among the founders of the Pacific Gas & Electric Company. See: Coleman, *P.G.&E. of California*, 128-137.

required to power the trains, and involved a third rail to run alongside the tracks. The "third rail" was mounted on wooden insulators and carried the electric current. A rod extended from under the rail car and connected to the power supply. Although efficient, the system posed considerable danger from electrocution and required insulated covers inside train stations and anywhere the rails might contact humans. The NSRR became the first, third-rail electric railway in California when the electric interurban began service in August 1903. Commuter trains ran between the passenger ferry terminal in Sausalito to Mill Valley along the path of the old North Pacific Coast Railroad. The first trip from Sausalito to San Rafael via electric train took place on September 19, 1903. In 1904, SPRR purchased the NSRR, which it consolidated into NWP in 1907.

From 1908 to 1914, the NWP completed numerous construction projects to modernize the line's southern end. The most significant was the 1.4 mile section of track constructed between Baltimore Park (now part of Larkspur) and Detour (historic community south of Corte Madera Creek on the NWP line) in 1909. This new section shifted the southern terminal from Point Tiburon to Sausalito for all through steam passenger service. Tiburon continued to be used as the freight loading station. The new line for passenger service now originated in Sausalito, followed a northwest track to Baltimore Park, turned northeast to Detour and connected to the old main line just south of the California Park Tunnel, Tunnel No. 3 on the NWP mainline. By 1912 there was a 65-foot ballast deck trestle on the site of the Auburn Street Trestle.¹³

At this time, the electric interurban route ran northwest from Sausalito to San Anselmo, then east to San Rafael. After the completion of the Baltimore Park-Detour cut off in 1909, electric train service continued to run over the Sausalito-San Anselmo-San Rafael route until 1924. During the early 1920s, track modifications on the Detour-San Rafael segment included the installation of double track, including the drawbridge over Corte Madera Creek at Greenbrae, a double track trestle, double tracking Tunnel No. 3, and likely the existing trestle over Auburn Street, all with the necessary third rail to power electric trains. After completion of double tracking in 1924, electric interurban passenger service was routed over the Baltimore Park-Detour cutoff and through to San Rafael.¹⁴

The introduction of electric interurban transportation replaced narrow gauge commuter passenger service throughout southern Marin County, although steam narrow gauge service, both freight and passenger, continued running the length of the line for several years. The 1906 earthquake and fire produced a short-lived expansion of the north coast timber industry, which was still serviced by old, narrow gauge lines; but as rebuilding wound down, freight revenues dropped off, and once again the line could not cover expenses. For efficiency, NWP converted more of its track to standard gauge. In 1910, NWP ended the narrow gauge freight car ferry transfer between Sausalito and San Francisco by removing the third rail from their freight car transporting ferries.¹⁵

Narrow gauge steam passenger service saw some revenue increases in the years after NWP consolidation. NWP continued the North Pacific Coast Railroad's marketing strategy in promoting the Redwood Coast as a resort destination to urban San Franciscans. NWP released an annual publication, "Vacation," which advertised the

¹³ Public Utilities Commission, "Profile and Alignment Mapping of the Northwestern Pacific Railway, Tiburon to Sonoma County Line, Marin County, California," October 3, 1912, Public Utilities Commission Records, California State Archives, Sacramento, California.

¹⁴ Northwestern Pacific Railroad Company, "Authority for Expenditure/Executive Authority Records, Number 1484 and 1484 supplement," Northwestern Pacific Railroad Collection, California State Railroad Museum Library, Sacramento, California; "History of the Northwestern Pacific Railroad," 6-7; Paul Trimble, *Interurban Railways of the Bay Area* (Fresno: Valley Publishers, 1977), 67-76.

¹⁵ "Northwestern Pacific Railroad: Narrow Gauge," 4-5.

many resorts and attractions to be found along the NWP redwood line. NWP marketed the "Triangle Trip," a course originating at the Sausalito ferry terminal, traveling northwest to Monte Rio, east along the Russian River to Fulton, then returning to Sausalito by way of Santa Rosa, Petaluma, and San Rafael, as one of the "finest sight-seeing Trips in the World."¹⁶ Several additional trains were added between 1910 and 1914 during the summer months to meet the passenger increases. However, increased revenues did not balance costs on the aging line. By the mid-1920s the communities served by the narrow gauge steam line regularly complained about the old equipment and unsafe conditions, and in 1927 the California State Public Utilities Commission issued a report that outlined the bleak prospects of the narrow gauge line. The commission recommended the line be abandoned and services replaced by a motor bus with space for 15 passengers, 1500 pounds of freight, express and mail. By 1929 all remaining narrow gauge tracks running stream passenger trains had been abandoned.¹⁷

During the 1920s, increased use of automobile contributed to the drop in passenger patronage. Heavy annual losses caused Santa Fe to sell out to SPRR; in 1929, the SPRR purchased the Santa Fe's interest in the NWP for \$4.6 million, and the NWP became solely a subsidiary of the SPRR.¹⁸ The completion of the Golden Gate Bridge in 1937 provided an automobile connection between San Francisco and Marin County that led to the end of the passenger and freight ferry service and interurban rail transportation to the north bay counties of Marin, Sonoma, and Mendocino. The increasing popularity of automobile ownership, aging rolling stock, and the need for parent company SPRR to eliminate the money-losing commuter lines led the California Railroad Commission to permit abandonment of the interurban-ferryboat services to southern Marin County in 1941. The last electric interurban train in southern Marin County ran February 28, 1941. That same year, the southern terminal of NWP passenger operations shifted from Sausalito to San Rafael. In 1972 NWP ended all train service between Sausalito and San Rafael.¹⁹

Increased popularity of automobiles coupled with the economic hardships of the Depression contributed to a decline in the use of the NWP line between Willits and Arcata. Both freight and passenger service cut backs dictated branch line and main line closures. Although World War II provided a resurgence of use for the railroad, especially in freight movement, post-war prosperity resumed more cutbacks for NWP as car and truck travel grew. In May of 1942, NWP ended the day passenger service train to Eureka, and by 1958 a small train came through the Eel River Canyon only three times a week. That same year, NWP discontinued the train between San Rafael and Willits. By 1970, the midweek run was cancelled, with only a weekend schedule remaining. In 1984, SPRR sold the trackage from Willits north to Korblex to Eureka Southern Railroad, later named North Coast Railroad. In 1996, the North Coast Railroad and the former south end of the NWP became the Northwestern Pacific Railroad under public ownership.²⁰

¹⁶ Northwestern Pacific Railroad advertising that appeared in the official time schedule dated August 1, 1912. Reprinted in: Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 52.

¹⁷ "Northwestern Pacific Railroad: Narrow Gauge," 15. Trimble, *Interurban Railways of the Bay Area*, 5; "Obituaries, The Northwestern Pacific," *Pacific Traveler*, Railroad Issue, No. 54, October 1971, 8.

¹⁸ Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 48, 54; Kneiss, *Redwood Railway*, 134; Northwestern Pacific Railroad, *Re-driving of the Golden Spike: Northwestern Pacific Rail Service Restored After 1964 Flood Damage* (Northwestern Pacific Railroad Company, 1965), n.p.

¹⁹ Paul Trimble, *Interurban Railways of the Bay Area* (Fresno: Valley Publishers, 1977), 67-76.

²⁰ "Obituaries, The Northwestern Pacific," 8; Stindt and Dunscomb, *The Northwestern Pacific Railroad*, 54-55; Northwestern Pacific Railroad Historical Society, webpage accessed on December 16, 2003. Page created August 29, 2000. Last updated February 13, 2001, <http://www.NWPRHS.ORG>.

**Table 1: Railroads Consolidated to Form the Northwestern Pacific Railroad
 and their Subordinate Lines**

Railroads	Date Incorporated	Railroad Lines Absorbed and Year of Original Incorporation
San Francisco & North Pacific Railway	December 12, 1888	Contra Costa Steam Navigation Co., 1852 Petaluma & Haystack, 1862 San Francisco & Humboldt Bay Railroad, 1868 Sonoma County Railroad, 1868 San Francisco & North Pacific Rail Road Co., 1869 Sonoma & Marin Railroad, 1874 Sonoma Valley Prismoidal Railway, 1875 San Francisco & North Pacific Railroad, 1877 Fulton & Guerneville Railroad, 1877 Sonoma Valley Railroad, 1878, 1885 Sonoma & Santa Rosa Rail Road, 1881 San Francisco & San Rafael Rail Road, 1882 Marin & Napa Railroad, 1886 Cloverdale & Ukiah Rail Road, 1886 Santa Rosa, Sebastopol & Green Valley Railroad, 1889
California Northwestern Railway	March 17, 1898	
North Shore Railroad	January 11, 1902	San Rafael & San Quentin Rail Road, 1869 North Pacific Coast Railroad, 1871 North Pacific Coast Railroad Extension Co., 1882 North Western Railroad Co. of California, 1885 San Francisco, Tamalpais & Bolinas Railway, 1889
San Francisco & Northwestern Railway	May 12, 1903	Pacific Lumber Co., 1869 The Pacific Lumber Co., 1883 Eel River & Eureka Rail Road, 1882 California & Northern Railway, 1900 California Midland Railroad, 1902
Eureka & Klamath River Railway	January 6, 1896	Vance's Mad River Railroad, 1875 Humboldt Bay & Trinidad Logging & Lumber Co., 1891

The Northwestern Pacific Railroad Auburn Street Trestle

As stated previously, the first trestle constructed on the site of the Auburn Street Trestle likely occurred during the construction of the San Francisco & San Rafael Railroad line between Tiburon and San Rafael in 1884. The line was a single track, approximately nine miles long. By 1912, the site had a 65-foot long ballast deck trestle over

Auburn Street.²¹ The trestle's capacity and condition again came under scrutiny in the 1920s during a general modernization of NWP resources. NWP officials wanted to route interurban electric trains over the Baltimore Park-Detour cut-off which required electrifying the section between Detour and San Rafael, including the Auburn Street Trestle. NWP maintenance records indicate construction of the current trestle occurred in 1929. This structure was built to common standard plan 33, a style of open deck trestle often used to construct trestles under 200 feet. The NWP constructed numerous trestles of various lengths on several different common plans. One example is the trestle over Sir Francis Drake Boulevard in the city of Larkspur, an open deck trestle constructed in 1926 and located just south of the project area. This trestle, also built on a common standard plan, was the subject of a 1988 evaluation by the California Department of Transportation (Caltrans), where the trestle was found to not meet the criteria for listing in the National Register of Historic Places.²² A survey of trestles under 300 feet built between Tiburon and Petaluma Creek, a distance of approximately 37 miles, indicate 13 trestles built to common standard plan 33. Several modification to the original design occurred over time including adding a post to each of the bents. Originally framed with five posts, bents now contain six posts. Originally constructed with five bents, concrete abutments replaced the two end bents after 1955. Ties date to 1949, likely indicating the year NWP removed the double track from the trestle and replaced it with a single track.²³

Evaluation of the Northwestern Pacific Railroad Auburn Street Trestle

The following discussion presents an evaluation of the Auburn Street Trestle under National Register and California Register criteria. Examining a single structural element of NWP for significance under Criterion A, as in the case of the Auburn Street Trestle, requires the evaluation consider its context as an element in the entire line as well as an individual structure. As an element in NWP, the Auburn Street Trestle is part of a vast number of elements contributing to the larger NWP system, which included over 570 miles of track, 62 bridges in excess of 300 feet, 57 trestles in excess of 300 feet, and numerous smaller trestles of varying designs, including the Auburn Street Trestle. Collectively, all of these elements served important functions to the total NWP system. This context requires an evaluation of the entire NWP in order to determine significance for individual elements. As an individual structure, the potential period of significance for the Auburn Street Trestle began in 1929 with the construction of the replacement trestle. The trestle's potential period of significance continued until 1941, at which time NWP shifted its southern terminal for steam passenger service to San Rafael, bypassing the Auburn Street Trestle and also ended electric interurban service throughout southern Marin County.

Criterion A (or 1): Railroads, with their associated tunnels, trestles and bridges are potentially significant under Criterion A if they are importantly associated with trends and/or events in transportation development regional or local economic development. Establishing significance, though, should be done with certain principles in mind. Railroads, like other transportation infrastructure, are inherently important to their communities as they substantially affect communication and the distribution of people, goods, and services that in turn affects development on both the local and regional levels. This impact does not typically provide sufficient evidence to demonstrate how a railroad line may be deemed significant for its association with an important historic context; otherwise virtually any railroad, with associated structures would be shown to be important in this way.

²¹"Profile and Alignment Mapping of the Northwestern Pacific Railway, Tiburon to Sonoma County Line, Marin County, California," October 3, 1912."

²² Gregory King, "Evaluation of the Trestle over Sir Francis Drake Boulevard in the City of Larkspur" (Sacramento: California Department of Transportation, 1988)

²³ *Bridge Inspection Report: Northwestern Pacific* (Southern Pacific Company, 1955), 1-78.

To be eligible for listing in the National Register, resource types such as railroads and other transportation infrastructure must have demonstrable importance directly related to important historic events and trends, with emphasis given to specific demand for such infrastructure, and its effects on social, economic, commercial, and industrial developments locally, regionally, or nationally. In this way, railroad lines and associated structures, may be significant as physical manifestations of important transportation and community developments on the local, regional, state, or national level.

The most common instance in which a railroad line or its separate structural components might be considered under Criterion A would be if it either the line or separate components (tunnels, trestles, or bridges) were the first to be located at its site, thus providing expanded transportation opportunity and advancing economic development into previously isolated or underdeveloped areas. This development trend, identified as "ahead of demand" development, indicates the transportation route predated development and subsequent development directly related to the presence of the transportation route. One such example of this development pattern would be the line Southern Pacific Railroad constructed down the length of California's San Joaquin Valley. While several towns connected by wagon road existed in the Central Valley, the placement of the new line away from the wagon road initiated the development of a large number of new towns along the new transportation route. These towns, now centers of main populations, exist because the railroad was built through a previously undeveloped area, which in turn opened a new area for economic development.

Railroad lines might also be considered significant under Criterion A if they were likely built to meet specific demands and resulted in immediate and / or substantial effects to a geographic location. While this level of importance typically can be associated with the initial transportation avenue at a particular location, in some cases it can be true of subsequent roads, railroad lines, or highways.

With these points in mind, the Auburn Street Trestle, as a component of the NWP, does not appear to meet the guidelines of Criterion A. Incorporated in 1907, NWP was a consolidation of numerous lines built to meet a specific demand, to facilitate the movement of local products to a wider market, though their construction did not bring immediate or substantial effects to a geographic location. Throughout the nineteenth century, the north bay counties of Marin and Sonoma continually searched for ways to expand market potential for their local products. Because they were separated by water from San Francisco, their main market, connecting to water transportation was imperative. Farming communities established in the 1850s first hauled their goods over wagon roads to rivers that connected to the steam ferryboats, a system that existed on the San Francisco Bay from the early days of the gold rush. The early railroad lines were built to facilitate a process already occurring by other transportation methods. While one could argue that these predecessor lines were built to meet one specific demand, their construction did not bring an immediate or substantial effect to their geographic location. The original lines did not open new areas for development, but were rather an attempt from local citizens to use more modern transportation technology to improve existing access to market. In addition, the lines were not financially successful. Railroad entrepreneurs expected to turn a profit with their investments. Such was not the case in this area, as evidenced by the fact that approximately one-third of the companies that became part of the NWP never laid track. From a financial perspective, the contributing lines of NWP were not a success.

The same can be said for NWP after incorporating in 1907. Formation of NWP occurred through the desire of the SPRR and Santa Fe to profit from the north coast timber industry freight market, and building a rail line

connecting north coast lumber mills with the San Francisco shipping lines was long desired by the industry. Because of enormous costs, construction needed the financial backing of companies of the size of SPRR and Santa Fe. Even these two major railroads recognized that their financial interest dictated a merger rather than competition. Upon incorporation, NWP constructed the line through the Eel River canyon and opened through service to Eureka. However, the line between Willits and Eureka was finally completed in 1914, at the end of the age of railroad transport. The automobile was already having an impact on transportation trends and California was in the beginning stages of developing a state highway system.

Although the impetus for incorporating NWP was to move freight, mainly timber products, from the north coast lumber mills to a San Francisco market and distribution center, fluctuation in the timber industry required a broader approach to financial stability for NWP. Passenger service became the primary concern in the early years after incorporation. Upon incorporation, NWP ran a complicated network of narrow gauge local freight and passenger lines, standard gauge local freight and passenger lines, and electrified interurban standard gauge lines through established communities. NWP pursued an aggressive marketing program promoting recreation destinations and Marin County real estate. Population statistics indicate a significant growth in population between 1920 and 1930 (the decade in which the Auburn Street Trestle was construction) throughout Marin County, but increases were slightly below population increases in the San Francisco bay area counties. For example, while Marin County experienced a 60% increase in population between 1920 and 1930, Alameda County grew by more than 89%, San Mateo by over 100%, and Contra Costa County experienced a 75% increase in population.²⁴ This growth was perhaps enhanced by a generally developing infrastructure, but was not particularly attributable to NWP or its rehabilitation projects.

Marketing the Redwood Coast as a recreation destination and promoting Marin County real estate projects proved moderately successful in boosting revenues, but could not offset the financial losses of the freight service and electric railway. In inheriting the electric interurban system through consolidation, NWP faced a continual struggle to run a cost-effective and efficient line. NWP undertook massive updating projects to improve passenger service over the aging lines with realignment projects, rebuilding tunnels, trestles, and bridges, and replacing aging rolling stock. None of the measures proved effective. Heavy annual losses caused Santa Fe to sell out to SPRR in 1929. Continued losses prompted SRPP in abandon the electric interurban line. Throughout its history, NWP struggled to be profitable. This does not suggest that the NWP was particularly influential in north bay development, certainly not in the way that other rail lines (such as the Southern Pacific Railroad line through the San Joaquin Valley) were in California.

As NWP does not appear to have opened new areas for social, economic, commercial, or industrial development throughout Marin County, nor once built did NWP appear to have in immediate and / or substantial effects to its surrounding geographic location, the components of the NWP, including the Auburn Street Trestle, do not appear to be eligible for listing in the National Register of Historic Places under Criterion A at either the local, state, or national level.

The Auburn Street Trestle as single structural element of NWP also does not appear to meet the guidelines of Criterion A eligibility. The trestle might be determined eligible if its construction caused new areas to open for development, or its construction brought immediate and / or substantial effects to a geographic location. Such is

²⁴"Historical Census Population of Places, Towns, and Cities in California, 1850-1990," accessed online December 17, 2003, <http://www.dof.ca.gov/HTML/DEMOGRAP/CALHIST2a.XLS>.
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not the case with this trestle. Constructed in 1929, the trestle replaced another built on the site. The earlier trestle was part of nineteenth century efforts to create a more direct connection for freight and passenger travel to San Francisco. This earlier trestle also did not appear to open the surrounding area for development, as San Rafael, incorporated in 1874, had been an established population center since the Mexican era and connected to San Francisco ferry service since 1869. Furthermore, the trestle over Sir Francis Drake Boulevard in the city of Larkspur, an open deck trestle built on standard plans, constructed in 1926, and located just south of the project area, was determined to not meet the criteria for listing in the National Register of Historic Places in an 1988 evaluation by the California Department of Transportation (Caltrans).²⁵ By itself, the Auburn Street Trestle would not be considered sufficiently significant to appear to be eligible for listing in the National Register of Historic Places under Criterion A at either the local, state, or national level.

Criterion B (or 2): Research did not suggest that the Auburn Street Trestle have associations with persons who gained prominence in their professions or made significant contributions in local, state, or national history. While certain NWP predecessor lines appeared to have associations with persons who made significant contributions state history, such as Peter Donahue, and prominent and influential San Francisco industrialist, and John Martin and Eugene de Sabla, Jr., (pioneers in high voltage electric transmission) the trestle or the NWP are not structures that best exemplify their significance in our history. These individuals are not importantly associated with the resource in their prominent capacity. Therefore NWP does not appear eligible under this criterion.

Criterion C (or 3): The Auburn Street Trestle is a structure built on common standard design 33, representing no particular engineering achievement at the time it was constructed. As indicated, The Auburn Street Trestle was one of 13 open deck trestles built on this design in Marin County between 1915 and 1950. Nothing in the construction of Auburn Street Trestle suggests that it was designed and built through anything other than standard processes. Thus it would not appear to meet the criteria for listing in the National Register of Historic Places under Criterion C.

Criterion D or 4: This criterion is usually reserved for archeological sites if they have yielded, or may likely yield, information important in pre-history or history. The property must have, or have had, information to contribute to our understanding of history, and the information must be considered important. However, this property is well documented in the historical record and thus would not appear to meet the criteria for listing in the National Register of Historic Places under Criterion D.

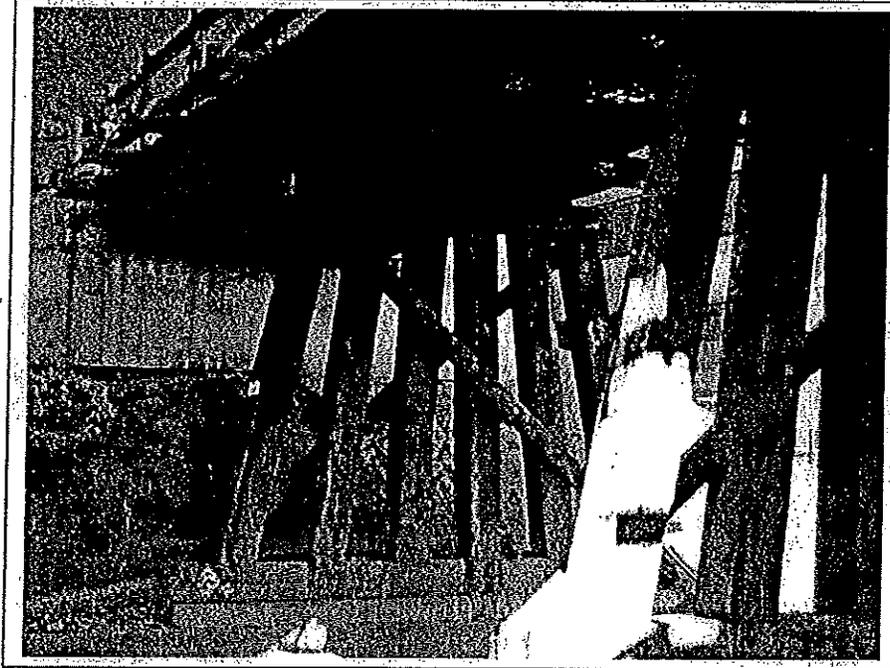
Integrity

Integrity of an historic resource is measured by application of seven factors: location, design, setting, workmanship, materials, feeling, and association. Integrity should be assessed on the basis of the period of significance for a property. A property's integrity should be specifically tied to its period of significance, a linkage that is derived from National Register guidelines and regulations. The property must retain integrity to its potential period of significance if it is to meet the criteria for listing in the National Register of Historic Places or as an important resource under California law and regulations.

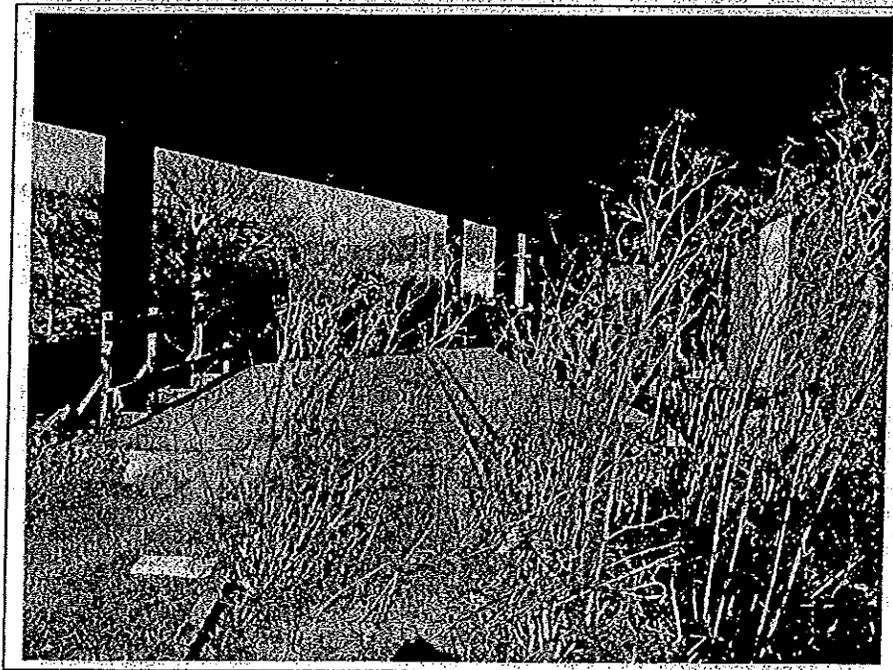
²⁵ Gregory King, "Evaluation of the Trestle over Sir Francis Drake Boulevard in the City of Larkspur" (Sacramento: California Department of Transportation, 1988)
DPR 523L (1/95)

The Auburn Street Trestle has not retained a high level of integrity in the seven measures when evaluated in the context of its period of significance. Alterations to the original design in the form of added posts to bents compromise original design. The original design suffered further when two of the original bents were replaced with concrete abutments. The double track system with additional third electric rail for which the 1929 trestle was constructed, was removed and replaced with a single track. Integrity of setting, feelings and association were severely compromised with the construction of U.S. 101 over the Auburn Street Trestle.

Photographs



Photograph 2, camera facing north, January 21, 2004.



Photograph 3, deck, camera facing north, January 21, 2004.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____ 6Z

Other Listings _____
Review Code _____ Reviewer _____ Date _____

Page 1 of 8

*Resource Name or # (Assigned by recorder) Northwestern Pacific Railroad Segment

P1. Other Identifier: N/A

*P2. Location: Not for Publication Unrestricted
and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*a. County Marin

*b. USGS 7.5' Quad San Rafael Date 1954 (R 1980) T _____; R _____; _____ ¼ of Sec _____; _____ B.M.

c. Address _____ City _____ Zip _____

d. UTM: (give more than one for large and/or linear resources) Zone _____; _____ mE/ _____ mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

Segment starts at a point north of Anderson Drive and west of Francisco Boulevard and travels northwest before terminating at 4th Street

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

An approximately one mile long segment of the former Northwestern Pacific (NWP) Railroad was surveyed between Anderson Drive and 4th Street. The segment is not intact and large portions of the track are missing on the southeast side of Rice Drive. The first approximately 1,600 feet of at-grade track consists of two sets of rails with timber ties (**Photographs 1**). Most of the ties are missing. Approximately 1,162 feet from the beginning of the segment is a small trestle (**Photograph 2**). It is constructed of timber with timber abutments. Steel mesh plates cover portions of the bridge. Approximately 455 feet west of the trestle the tracks are covered by a paved parking lot, but then resume as a single track shortly before reaching Rice Drive (**Photograph 3**). (See Continuation Sheet)

*P3b. Resource Attributes: (List attributes and codes) HP11. Engineering Structure; HP 19. Bridge

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)

P5b. Description of Photo: (View, date, accession #) Beginning of railroad segment, camera facing northwest, February 5, 2014

*P6. Date Constructed/Age and Sources:
 Historic Prehistoric Both
1912-1913 / Previous Documentation

*P7. Owner and Address:
Unknown

*P8. Recorded by: (Name, affiliation, address)
Patricia Ambacher
AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

*P9. Date Recorded:
February 5, 2014

*P10. Survey Type: (Describe)
Intensive



*P11. Report Citation: (Cite survey report and other sources, or enter "none.") AECOM. Historic Architectural Survey Report for the Sonoma-Marín Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project, Marin County, California. Prepared for Sonoma-Marín Rail Transit District. 2014.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record

Other (list) California Department of Parks and Recreation (DPR) 523 Forms for Northwestern Pacific Railroad, prepared by JRP Historical Consulting, 2004; Concurrence letter from the State Historic Preservation Officer, 2005

DPR 523A (1/95)

*Required Information

B1. Historic Name: Northwestern Pacific Railroad
B2. Common Name: Northwestern Pacific Railroad
B3. Original Use: Railroad B4. Present Use: Abandoned

*B5. Architectural Style: None

*B6. Construction History: (Construction date, alteration, and date of alterations) 1884; Second track added 1912-1913

*B7. Moved? No Yes Unknown Date: _____ Original Location: _____

*B8. Related Features: California Park Hill Tunnel, Northwestern Pacific Railroad Auburn Street Trestle, San Rafael Passenger Depot/Northwestern Pacific Railroad Depot

B9. Architect: Unknown b. Builder: Unknown

*B10. Significance: Theme Railroad and Community Development Area San Rafael

Period of Significance 1913 Property Type Railroad Track Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

This approximately 1 mile long segment of the NWP Railroad does not appear to meet the criteria for the National Register of Historical Resources (NRHP) or the California Register of Historical Resources (CRHR). An approximately 1,750 foot segment of this railroad located from the north portal of the California Park Hill Tunnel to the NWP Railroad Auburn Street Trestle, which are southeast of this segment, was determined ineligible for the NRHP and the CRHR by the State Historic Preservation Officer. This approximately 1 mile long segment is part of the same alignment and resource that was previously determined not eligible.

The NWP was started as an amalgam of forty-two separate lines constructed between 1864 and the early-20th century. The first railroad of significant length in the Bay Area was completed in October 1864 between San Francisco and San Jose, and less than 10 years later the San Rafael & San Quentin Railroad (SR&SQ) opened between San Rafael and the ferry landing adjacent to the present site of San Quentin Prison. North Bay residents demanded a freight and passenger railway, but were divided over the route. On May 12, 1868, residents chose the Sonoma County Railroad which sought to build the railroad through Petaluma. The group had limited success, however, and soon transferred their rights and subsidies to the San Francisco and Humboldt Bay Railroad Company (Kneiss 1956). (See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes)

*B12. References: See Continuation Sheet

B13. Remarks:

*B14. Evaluator: Patricia Ambacher

*Date of Evaluation: April 14, 2014

(This space reserved for official comments.)

(Sketch Map with north arrow required.)

See Sketch Map Sheet

Description (cont)

A second small, single track trestle is located north of West Francisco Boulevard where the track crosses San Rafael Creek south of 2nd Street (**Photograph 4**). The trestle has wood timbers and steel mesh plates. The segment of track continues northward to 4th Street, with portions partially or entirely paved over with asphalt. In some locations the ties are completely covered over with asphalt, with only the tops of the rails visible (**Photograph 5**).

Significance (cont)

Grading for the San Francisco and Humboldt Bay Railroad Company proceeded north of Petaluma, but by early 1869, the line was running short of funding and construction came to a halt near Santa Rosa. The San Francisco and Humboldt Bay Railroad Company reorganized under the name San Francisco and North Pacific Railroad (SFNP) (Kneiss 1956). In an effort to thwart rival California Pacific Railroad's efforts to be the first railroad company to complete tracks in the North Bay, San Francisco & Humboldt moved with amazing speed, putting 100 workers on the line laying track (Stindt 1964).

By October 1870, regular rail service between Petaluma and Santa Rosa was in place. In April, 1871, the SFNP briefly became the Petaluma and Humboldt division of the California Pacific, which relinquished to the Central Pacific. The Central Pacific, however, decided that the Sonoma County line would not figure in their long-range plans. By January 1873, Peter Donahue had purchased the line. By the mid-1870s, SFNP constructed a 53-mile line north from Cloverdale to the Landing at Humboldt Bay. Additional lines were constructed between Petaluma and San Rafael. The San Rafael connection work was completed in 1879, and Donahue united several small North Bay lines he had acquired under the SFNP banner. By 1884, SFNP had completed track to Tiburon, which became the permanent southern terminus of the line (Stindt 1964:12-14). By 1885, the daily schedule included six round-trip trains and ferry connections between San Francisco and San Rafael with stops north to Cloverdale.

The railroad continued to expand during the 1890s, although the decade also saw severe financial problems. The Panic of 1893 damaged railroading interests all over the country, and by 1897, SFNP was on the auction block. The line incorporated with the California Northwestern Railway Company (CNW), but because of financial instability, Southern Pacific absorbed the line in 1900 (Stindt 1964:15-16). Santa Fe Railroad and Southern Pacific joined forces and formed the NWP with 402 miles of track on January 8, 1907. The railroad expended significant resources to meet these demands in Marin County. Sausalito replaced Tiburon as the main southern terminal and tracks were added between San Rafael and San Anselmo (Stindt 1964:48-49). Between 1912 and 1913 the track was improved to a double track line between Detour and San Rafael (JRP Historical Consulting 2004:14).

In 1929, the NWP became a wholly owned subsidiary of the Southern Pacific. The ensuing 1930s Great Depression made freight transportation nearly non-existent, and the company abandoned the branch lines (Stindt 1964:54-55). Passenger service also declined and to combat this, the NWP unveiled new, more comfortable cars and lower fare. Automobile traffic continued to blossom in the 1920s and reduce the passenger railroad business. From the mid-1930s on, the automobile replaced the train as America's choice for tourist-related travel. The NWP abandoned over 138 miles of track during the 1930s Depression. During World War II, the NWP engines and cars were pressed into service (Naughton, 1976: 6). As cars replaced trains as the preferred mode of travel, the NWP experienced decline into the 1960s and 1970s. Rail service south of San Rafael halted in 1981 due to the abandonment of the tunnel between San Rafael and Larkspur (Stindt 1974:19-21).

This approximately one mile segment of the NWP Railroad does not appear to meet NRHP/CRHR Criterion A/1. The segment is part of a much larger system. This larger system was developed to facilitate the movement of local agricultural products to a broader market. The construction of this segment did not bring an immediate and substantial development to San Rafael or Marin County. Rather the segment was one of many local railroads built in Marin County to provide transportation for freight and passengers. This one mile segment has no direct associations with significant events or trends in history. Research does not suggest that the segment is associated with known individuals who made a significant contribution to history. Therefore, it does not appear to meet NRHP/CRHR Criterion B/2. As an engineering feature, the segment is a common example of railroad construction and does not express distinctive characteristics. In consideration of all the elements of NRHP/CRHR Criterion C/3, the segment does not appear to meet this criterion. Under NRHP/CRHR Criterion D/4, the segment does not appear to be the source of important information in history.

Lastly, this one mile segment lacks integrity to convey significance. It is part of a much larger system that has been altered by the removal of tracks, ties, and has been bisected in several places along its original alignment. Therefore, the segment lacks integrity of design, materials and workmanship. Its setting, feeling and association have also been lost because of the modern-era development surrounding what is left of the segment.

In summary, the resource does not appear to meet the criteria for listing in the NRHP or the CRHR.

References (cont)

JRP Historical Consulting. 2004. Department of Parks and Recreation (DPR) 523 Form for Northwestern Pacific Railroad. Prepared for the *Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Historic Property Survey Report*. Prepared for California Department of Transportation and the County of Marin Public Works.

Kneiss, Gilbert H. 1956. *Redwood Railways: A Story of Redwoods, Picnics and Commuters*. Howell-North, Berkeley, CA.

Stindt, Fred A., and Guy L. Dunscomb. 1964. *Northwestern Pacific Railroad, Redwood Empire Route*. Fred A. Stint Press, Redwood City, CA.

Photographs (cont)



Photograph 2. Bridge, camera facing west

Photographs (cont)



Photograph 3. Single track at Rice Avenue

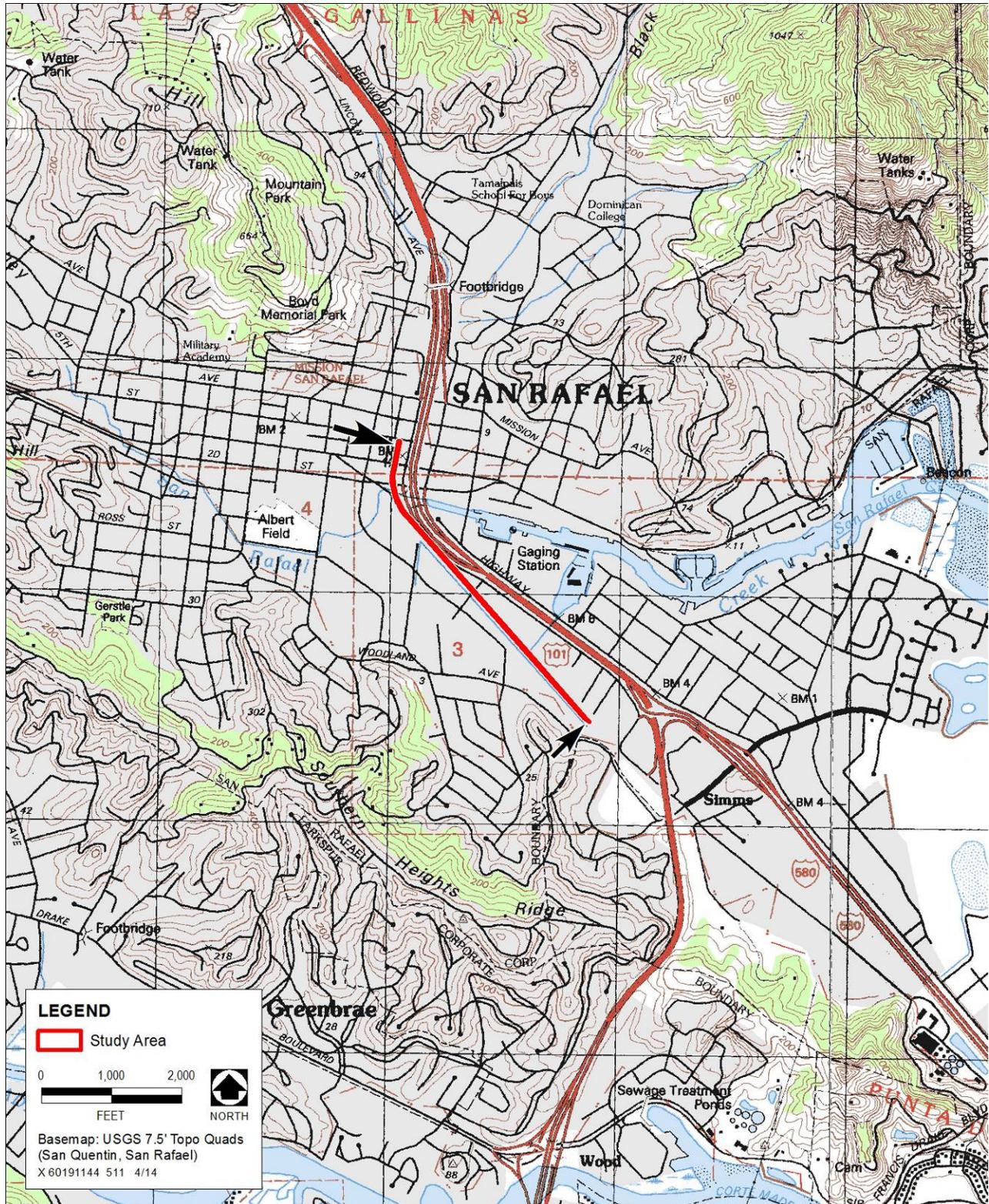


Photograph 4. 2nd small trestle between Francisco Boulevard (south) and 2nd Street (north)

Photographs (cont)



Photograph 5. Single track near 4th Street, camera facing south



L1. **Historic and/or Common Name:** Northwestern Pacific Railroad

L2a. **Portion Described:** Entire Resource Segment Point Observation **Designation:** _____

b. **Location of point or segment:** (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map.)

Segment starts at a point north of Anderson Drive and west of Francisco Boulevard and travels northwest before terminating at 4th Street

L3. **Description:** (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)

Begins as a double track and becomes single track at Rice Avenue. Most of the timber ties are missing in this segment. See Primary Record for a complete description

L4. **Dimensions:** (In feet for historic features and meters for prehistoric features)

- a. **Top Width** Approx. 6 ft
- b. **Bottom Width** N/A
- c. **Height or Depth** N/A
- d. **Length of Segment** Approx. 1 mile

L5. **Associated Resources:**

Two small trestles and the Auburn Street Trestle

L6. **Setting:** (Describe natural features, landscape characteristics, slope, etc., as appropriate.):

This segment is surrounded by late-20th and early 21st century commercial properties.

L4e. Sketch of Cross-Section (include scale)	Facing:
<u>See Photograph</u>	

L7. **Integrity Considerations:** This segment lacks integrity of design, materials, workmanship, feeling and association.

L8ba. **Photograph, Map or Drawing**



L8b. **Description of Photo, Map, or Drawing** (View, scale, etc.) Part of segment, northwest of Irwin Street, camera facing northwest

L9. **Remarks:**

An approximately 1,750 feet of the at-grade tracks located south of this segment were previously evaluated as not eligible for the NRHP or the CRHR. SHPO concurred with those findings.

L10. **Form Prepared by:** (Name, affiliation, and address)

Patricia Ambacher
AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

L11. **Date:** February 5, 2014

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____ 6Z

Other Listings _____
Review Code _____ Reviewer _____ Date _____

Page 1 of 3

*Resource Name or # (Assigned by recorder) 250 Francisco Boulevard

P1. Other Identifier: Marin County Roofing

*P2. Location: Not for Publication Unrestricted
and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*a. County Marin

b. USGS 7.5' Quad San Rafael Date 1954 (R 1980) T _____; R _____; $\frac{1}{4}$ of Sec _____; _____ B.M.

c. Address 250 Francisco Boulevard City San Rafael Zip _____

d. UTM: (give more than one for large and/or linear resources) Zone _____; _____ mE/ _____ mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 013-021-24

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

A single-story commercial building with a rectangular plan and side-gable roof is located on this parcel (**Photograph 1**). The building has four bays and is partially open on the north elevation. The bays feature a loading dock with steel supports. Two of the bays have concrete masonry units that have roll-up metal doors and flush, metal single-entry doors. Siding includes wood shake singles, brick, and corrugated metal. Windows are set with aluminum sliders. It appears that an addition is located on the eastern elevation that is rectangular in plan, and flat roofed with plywood siding (**Photograph 2**). Below the roof line are ribbon windows with plastic panes. Because the property was recorded from the public right-of-way it could not be confirmed that the two buildings are attached.

*P3b. Resource Attributes: (List attributes and codes) HP6. 1-3 Story Commercial Building

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)

P5b. Description of Photo: (View, date, accession #) Photograph 1, camera facing southeast, February 5, 2014

*P6. Date Constructed/Age and Sources:

Historic Prehistoric Both

ca. 1969 / Historic Aerials & Topos

*P7. Owner and Address:

Richard S. Miller Tr. and Christine R. Miller

*P8. Recorded by: (Name, affiliation, address)

Patricia Ambacher
AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

*P9. Date Recorded:

February 5, 2014

*P10. Survey Type: (Describe)

Intensive



*P11. Report Citation: (Cite survey report and other sources, or enter "none.") AECOM. Historic Architectural Survey Report for the Sonoma-Marin Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project, Marin County, California. Prepared for Sonoma-Marin Rail Transit District. 2014.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record Other (list) _____

DPR 523A (1/95)

*Required Information

B1. Historic Name: Unknown

B2. Common Name: Marin County Roofing

B3. Original Use: Commercial B4. Present Use: Commercial

*B5. Architectural Style: _____

*B6. Construction History: (Construction date, alteration, and date of alterations) _____

*B7. Moved? No Yes Unknown Date: _____ Original Location: _____

*B8. Related Features: None

B9. Architect: Unknown b. Builder: Unknown

*B10. Significance: Theme Commercial Development Area San Rafael

Period of Significance 1969 Property Type Commercial Building Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

This property does not appear to meet the criteria for the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CRHR). This area of San Rafael along the southern side of the former Northwestern Pacific (NWP) Railroad developed in the late-1960s, primarily between 1966 and 1969 (Historic Aerials 2014). Most of the commercial development in San Rafael occurred after World War II in the late-1940s and 1950s. This particular building was constructed circa 1969 and does not appear to be directly associated with significant events or trends in the history of the region. Therefore, it does not appear to meet NRHP/CRHR Criterion A/1. Research revealed little about the original owners or occupants of this commercial property. Today it is occupied by a roofing company, which has been in business since 1929. However, this building was not constructed until circa 1969 so the firm presumably located to the building sometime after that period. There are no known associations with persons who played a significant role in history and the building does not appear to meet NRHP/CRHR Criterion B/2. Architecturally, the building lacks distinctive characteristics and was not designed by a master architect. It is a modest example of a late-1960s commercial building and is not an important example of its type, period or method of construction. It does not appear to meet NRHP/CRHR Criterion C/3. Lastly it does not appear likely to yield information important to history as required for a building under NRHP/CRHR Criterion D/4. In summary, the building does not appear to meet the criteria for listing in the NRHP or the CRHR.

B11. Additional Resource Attributes: (List attributes and codes)

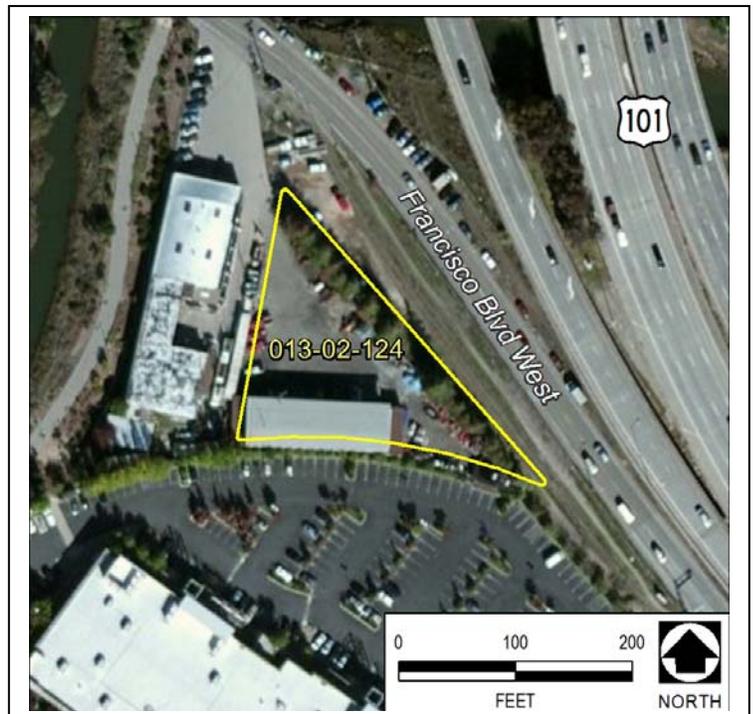
*B12. References:

B13. Remarks:

*B14. Evaluator: Patricia Ambacher

*Date of Evaluation: April 11, 2014

(This space reserved for official comments.)



Page 3 of 3

*Recorded by Patricia Ambacher, AECOM

*Resource Name or # (Assigned by recorder) 250 Francisco Boulevard

*Date February 5, 2014 Continuation Update



Photograph 2. Possible addition (left), camera facing southeast

P1. Other Identifier: Northwest Pacific Railroad Depot

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This property was surveyed on February 5, 2014, and no physical changes were noted from its last recordation on April 22, 2013, by ICF International.

*P4. **Resources Present:** Building Structure Object Site District Element of District Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession #) Depot's north and west façades, camera facing southeast, February 5, 2014

*P8. **Recorded by:** (Name, affiliation, address)

Patricia Ambacher

AECOM

2020 L Street, Suite 400

Sacramento, CA 95811

*P9. **Date Recorded:**

February 5, 2014

*P10. **Survey Type:** (Describe)

Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.") AECOM. *Historic Architectural Survey Report for the Sonoma-Marin Area Rail Transit (SMART) Rail Corridor San Rafael to Larkspur Project, Marin County, California*. Prepared for Sonoma-Marin Rail Transit District. 2014.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record

Other (list) California Department of Parks and Recreation (DPR) 523 Form Set for P-21-001015 Prepared by ICF International, 2013; DPR Historic Resources Inventory Form for P-21-001015 Prepared by City of San Rafael, 1978

*B10. **Significance:**

This property was evaluated for the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) by ICF International (ICF) in 2013 as part of the *Cultural Resources Inventory and Evaluation Report for SMART, the Sonoma-Marin Area Rail Transit Downtown San Rafael, Marin County (MP 17 to Petaluma, Sonoma County (MP 38.5))*. ICF determined that the property appeared to meet NRHP/CRHR Criterion A/1. However, because of a loss of integrity workmanship, design, and materials, the property no longer could convey its significance. Therefore, it appeared ineligible for the NRHP/CRHR. The State Historic Preservation Officer agreed with this analysis and concurred that the property is not eligible.

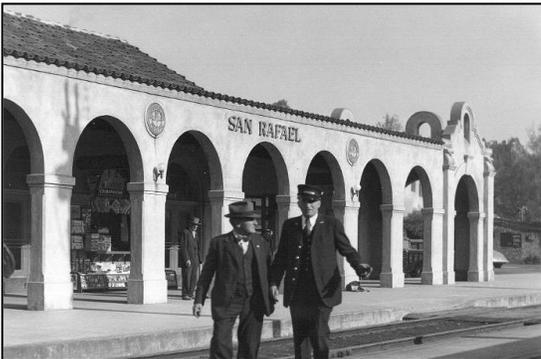
P1. Other Identifier: Whistlestop

P2c. Address: 930 Tamalpais Avenue, San Rafael, CA 94901-3325

P2e. Other Locational Data: Assessor Parcel Number: 01127702

***P3a. Description:** The subject property has been field checked, and the building appears to have been substantially altered since its last recordation in January of 1978. The last recordation was very brief in its description. Since 1978, a two-story addition with a gable roof at the south bay appears to have been added to the original one-and-one-half-story pavilion. The west façade of this two-story addition features a second story balcony with a solid stucco wall and a row of vinyl-frame, single-hung windows and a glazed single-entry door at the north end of the windows. The first story below the balcony extends out from the rest of the building and features a row of wood-frame, multi-paned single-hung windows. A styled bell-tower parapet at the south end of the windows features pilasters on either side of the recessed opening, which contains a paneled wood door flanked by sidelights, as well as protruding Moderne style curvilinear brick walls. A fabric awning shelters this entrance. The west elevation of this second-story elevation contains the original bell-tower shaped parapets and the former arched breezeway arcade, which has been filled-in and sheathed with stucco. Wood-frame and steel-frame windows have also been placed in the former openings of the arcade. The two-story addition is attached to and flush with these former openings.

The original portion facing 4th Street has also been elevated slightly and converted into two stories. The façade features rows of tall, non-original metal-frame, double-casement windows along the second story of the east and west elevations. South of the bell tower along the west elevation are two, vinyl-frame single-hung windows. The previous recordation noted that there were additions on 3rd and 4th Streets. The addition facing 3rd Street is one story in height and has a flat roof, stucco siding, vinyl-frame windows, and clay tile awnings above the south elevation windows. The 4th Street addition has a gap between the flat roof extension and the current flat roof portion along the west elevation. This gap has been filled with the second story addition and extension of the original pavilion.



Photograph 1. San Rafael depot, 1938. Courtesy of Yesteryear.com



Photograph 2. East elevation of San Rafael depot showing infill of the arched arcade and an addition at the north end. Photograph taken on April 22, 2013.

A photograph taken in 1938, nine years after the Depot's construction, shows the east elevation facing the railroad tracks as an open arched breezeway separated by columns used as a waiting area enclosing the original pavilion (Photograph 1). The breezeway arcade has been filled and sheathed in stucco. Steel-sash windows, five of which have steel-sash transoms, now punctuate the former arched openings (Photograph 2). The flanking, styled parapets have also been filled in and centered with single and double flush metal doors. A 1942 photograph shows the north elevation featuring the typical styled parapet and arch opening flanked by the same styled parapets and a flat roof extension at the west bay of the north elevation with two filled arched openings centered with two multi-paned steel-sash windows. The west flanking parapet has been removed since the photograph was taken.

***P3b. Resource Attributes:** HP 17 – Railroad Depot

***P8. Recorded by:** Monte Kim, ICF International, 630 K Street, Suite 400, Sacramento, CA 95818

***P11. Report Citation:** *Cultural Resources Inventory and Evaluation Report for SMART, the Sonoma-Marin Area Rail Transit Downtown San Rafael, Marin County (MP 17) to Petaluma, Sonoma County (MP 38.5)*. Prepared for the Sonoma-Marin Area Rail Transit District. Prepared by ICF International, April 2013.

***B10. Significance:** The City of San Rafael evaluated this property in 1978 as part of its “Historical/Architectural Survey” (see attached inventory form). The evaluator for the City, Niki Simons, determined that the depot appeared to be individually eligible for listing in the National Register of Historic Places (NRHP) because of its Mission Revival architecture, and she assigned a California Historical Resource status code of 3S to the property. In 1986, the City updated its list of “architecturally interesting” resources from the 1978 survey. The list contains 305 properties, including the depot, all of which the City considers historical resources for the purposes of the California Environmental Quality Act (CEQA). The property is currently listed in the California Historical Resources Inventory Database with a 3S status code and has been assigned the Primary Number P-21-001015.

On April 22, 2013, an ICF architectural historian field checked the subject property as part of an intensive level survey to identify cultural resources located within the study area of the proposed Sonoma-Marín Area Rail Transit corridor. After completing the field check and reviewing the previous recordation, the present evaluation concludes that the Northwestern Pacific (NWP) passenger depot in San Rafael lacks sufficient integrity to warrant inclusion in the NRHP or the CRHR. Historic photos and aeriáls indicate that the building has been substantially altered by modifications completed outside of the building’s historic period, which this evaluation has established as the period between 1929—the year the passenger depot was constructed—and 1958, the year passenger service ended between San Rafael and Eureka.

The NWP grew out of a consolidation of 42 separate lines built between 1864 and the early twentieth century. The NWP was officially incorporated in 1907, when the Southern Pacific and the Santa Fe railroads decided to end their competition with each other in northwestern California and establish a joint line known as the Redwood Empire Route. The NWP constructed a number of passenger depots along the Redwood Empire Route, including the San Rafael passenger depot, which it built in 1929. The depot played an important role in promoting the economic development of the community. As such, the passenger depot possesses associative importance under NRHP Criterion A and CRHR Criterion 1. The building, however, lacks significance under NRHP Criterion B and CRHR Criterion 2, since it is not associated with the singular efforts of any individual important to the development of the passenger depot or the economic development of the community. The San Rafael passenger depot also lacks significance under NRHP Criterion C and CRHR Criterion 3, since its physical integrity has been substantially compromised by the numerous alterations it has incurred. Finally, the depot does not appear to be significant under NRHP Criterion D and CRHR Criterion 4 as a source or likely source of important historical information, construction methods, materials, or technologies.

With regard to integrity considerations, the passenger depot retains its integrity of location, but its setting has been adversely affected by the demolition or replacement of surrounding buildings. Additionally, its integrity of workmanship, design, and materials has been severely compromised by numerous additions, façade alterations, and fenestration modifications, all of which diminish the building’s ability to convey the feeling of a late 1920s passenger depot and make it more difficult to see its original association with the NWP. Because of its compromised integrity, the San Rafael passenger depot does not appear to meet the minimum eligibility criteria for listing in the NRHP or the CRHR.

The depot is, however, a historical resource for the purposes of CEQA. It is included in the City of San Rafael’s list of locally designated resources, and it was evaluated for this update recordation in accordance with Section 15064.5 (a)(2)-(3) of the CEQA guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code.

In conclusion, the NWP San Rafael depot is an individual property that is locally-designated and listed in the San Rafael “Historical/Architectural Survey,” but it is also proposed to be ineligible for listing in the NRHP and the CRHR due to its lack of integrity. As such, the present evaluation has assigned two status codes to this property, 5S1 and 6Z.

***B12. References:** Historic aeriáls (1946, 1987, 2002, 2005) on file at historicaerials.com; *Historic Architectural Resources Report, October 2004*, Prepared for Parsons Brinckerhoff Quade & Douglas, Inc. by Garcia and Associates.

***B14. Evaluators:** Aisha Rahimi-Fike and Monte Kim, Ph.D., ICF International, 620 Folsom Street, 2nd Floor, San Francisco, CA 94107

***Date of Evaluation:** April 23, 2013

Photographs:



Photograph 3.
Northwestern Pacific Depot. 930 Tamalpais Ave. View south.



Photograph 4.
Northwestern Pacific Depot. 930 Tamalpais Ave. View southeast.



Photograph 5.
Northwestern Pacific Depot. 930 Tamalpais Ave. View northwest.



Photograph 6.
Northwestern Pacific Depot. 930 Tamalpais Ave. View southwest.

P-21-001015

HISTORIC RESOURCES INVENTORY

(State use only)

UTM _____ Q _____ NR 43 SHL _____
Lat _____ Lon _____ Era _____ Sig _____
Adm _____ T2 _____ T3 _____ Cat _____ HABS _____ HAER _____ Fed _____
UTM 10/542000/4202610

IDENTIFICATION

1. Common name: "Whistlestop" 21-UG02-284
2. Historic name, if known: Northwest Pacific Railroad Depot
3. Street or rural address: 930 Tamalpias (NAD27: 542000 m E / 4202608 m N)
City: San Rafael ZIP: 94901 County: Marin
4. Present owner, if known: Northwestern Pac. R.R. Address: _____
City: San Rafael ZIP: _____ Ownership is: Public Private
5. Present Use: Offices for Marin Senior Coordinating Council, Inc. Original Use: R.R. Station
Other past uses: _____

DESCRIPTION

6. Briefly describe the present physical appearance of the site or structure and describe any major alterations from its original condition:

One story stucco Mission Revival Style. Main, gabled pavilion with red tile roof, copper gutter and three large arches. Arcade continues down long facade with bell tower parapets, prominent arch and flanking pilasters. Entrances awnings, additions on 3rd St. and 4th St. The building is in the center of the street.

7. Locational sketch map (draw and label site and surrounding streets, roads, and prominent landmarks):



8. Approximate property size:

Lot size (in feet) Frontage _____'
Depth _____';
or approx. acreage _____.

9. Condition: (check one)

- a. Excellent b. Good c. Fair
d. Deteriorated e. No longer in existence

10. Is the feature a. Altered? b. Unaltered?

11. Surroundings: (Check more than one if necessary)

- a. Open land b. Scattered buildings
c. Densely built-up d. Residential
e. Commercial f. Industrial
g. Other Parking

12. Threats to site:

- a. None known b. Private development
c. Zoning d. Public Works project a
e. Vandalism f. Other

NOTE: The following (Items 14-19) are for structures only.

P-21-001015

14. Primary exterior building material: a. Stone b. Brick c. Stucco d. Adobe e. Wood
 f. Other _____
15. Is the structure: a. On its original site? b. Moved? c. Unknown?
16. Year of initial construction 1929 This date is: a. Factual b. Estimated
17. Architect (if known): _____
18. Builder (if known): _____
19. Related features: a. Barn b. Carriage house c. Outhouse d. Shed(s) e. Formal garden(s)
 f. Windmill g. Watertower/tankhouse h. Other _____ i. None

SIGNIFICANCE

20. Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site when known):

Downtown
930 Tamalpais

This railroad depot served San Rafael train passengers from 1929 until passenger service was ended in 1974. It replaced a large shed structure which was the depot from very early days. This shed was removed to the Smith Ranch in West Marin and is reported to be still in use on the ranch. The early shed structure had been built in 189

21. Main theme of the historic resource: (Check only one): a. Architecture b. Arts & Leisure
 c. Economic/Industrial d. Exploration/Settlement e. Government f. Military
 g. Religion h. Social/Education

22. Sources: List books, documents, surveys, personal interviews, and their dates:

Railroad archives

23. Date form prepared: 1/13/78 By (name): Niki Simons
 Address: 23 Scenic City San Rafael ZIP: 94901
 Phone: 454-2168 Organization: City of San Rafael

(State Use Only)

*Special historical Review with Mission
similar influence.*

(Signature)

APPENDIX D

State Historic Preservation Officer's Concurrence Letters

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896
SACRAMENTO, CA 94296-0001
(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov



June 14, 2005

In Reply Refer To: FHWA050520A

Brian Ramos
Chief, Office of Cultural Resources Studies
Division of Environmental Planning
Department of Transportation, District 4
P.O. Box 23660
Oakland, CA 94623-0660

Dear Mr. Ramos:

Re: Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, EA 965100, Marin County, California.

You are consulting with me about the subject undertaking in accordance with the Programmatic Agreement (PA) Among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California.

As per Stipulation VIII of the PA, the California Department of Transportation (Caltrans) has determined the Area of Potential Effects (APE) and has completed identification and evaluation of historic properties within the APE. Caltrans is requesting my concurrence, pursuant to Stipulation VIII.C.5 of the PA, on the eligibility to the National Register of Historic Places (NRHP) of three historic properties identified within the APE, and is notifying me of a finding of No Historic Properties Affected. You have submitted for my review the following documents:

- *Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project: Historic Property Survey Report, Caltrans District 4/County of Marin Department of Public Works (Earth Tech, Inc., August 2004).*
- *Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project: Historical Resources Inventory and Evaluation Report, Caltrans District 4/County of Marin Department of Public Works (Earth Tech, Inc., February 2004).*
- *Final Environmental Report Cal Park Hill Tunnel Rehabilitation and Pathway Design Project: Archaeological Survey Report, Caltrans District 4/County of Marin Department of Public Works (Earth Tech, Inc., August 2004).*

Based on my review of your letter of May 17, 2005 and the supporting documentation submitted, I have the following comments:

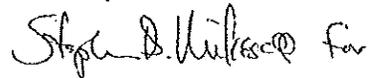
1) I concur that the following historic properties are not eligible to the National Register of Historic Places:

- California Park Hill Trestle (Map Reference #1)
- Northwestern Pacific Railroad Segment (Map Reference #2)
- Auburn Street Trestle (Map Reference #3)

2) Caltrans has made a finding of No Historic Properties Affected and has notified me of this finding as per Stipulation IX.A.2 of the PA and has supplied me with the appropriate supporting documentation as per Stipulation XVI of the PA. No further review pursuant to the PA is required for this undertaking.

Thank you for seeking my comments and for considering historic properties in planning your project. If you require further information, please contact William Soule at phone 916-654-4614 or email wsoul@ohp.parks.ca.gov.

Sincerely,

A handwritten signature in cursive script that reads "Milford Wayne Donaldson".

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896
SACRAMENTO, CA 94296-0001
(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov
www.ohp.parks.ca.gov



August 12, 2013

In Reply Refer To: COE_2013_0628_001

Jane M. Hicks
Chief, Regulatory Division
Department of the Army
San Francisco District, Army Corps of Engineers
1455 Market Street
San Francisco, CA 94103-1398

Re: Section 106 Consultation for the SMART Railroad Initial Operating Segment-One South,
SMART Railroad, Marin County

Dear Ms. Hicks:

Thank you for initiating consultation regarding the United States Army Corps of Engineers (COE) efforts to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as amended, and its implementing regulation found at 36 CFR Part 800.

You have identified the undertaking as the issuance of a Clean Water Act Section 404 and Section 10 of the Rivers and Harbors Act of 1899 permits to allow Sonoma Marin Area Rail Transit (SMART) to rehabilitate existing track, make improvements to grade crossings, replace and repair various bridges, replace drainage culverts, install additional culverts, a new signal system, and safety structures. Twelve offsite locations have been identified as potential staging areas for storage of construction equipment and material.

In accordance with 36 CFR Part 800.4, the COE has consulted with Native American tribes identified by the Native American Heritage Commission, performed a records search and review of previous cultural resource inventory efforts, completed a pedestrian survey and performed subsequent archaeological testing of CA-SON-2152. Mr. Nick Tipon, of the Federated Indians of Graton Rancheria expressed concern over the project's potential to disturb human remains. It is my understanding that SMART engineers have met with Mr. Tipon to discuss the project design and that he participated in testing of archaeological site CA-SON-2152. As CA-SON-2152 was tested at a level sufficient only to confirm the site boundaries extend into the Area of Potential Effect (APE), a formal determination of eligibility has not been submitted for my concurrence.

Further identification efforts addressed six architectural resources and two archaeological resources situated within or adjacent to the APE: The San Rafael (1929) and Novato (1917) railroad stations, a levee and ditch system (1876-1935), Dock One, a seventy mile segment of the Northwestern Pacific Railroad inclusive of its track, trestles and bridges (NWPRR), the Gallinas Bridge (1911), a prehistoric habitation site (CA-SON-2152) and a historic residential site (CA-SON-1465H). Of these properties the COE has determined that the Novato Railroad Depot is eligible for the National Register of Historic Places (NRHP) and that the remaining properties do

not meet NRHP eligibility requirements. Although not all identified properties are within the APE, the COE is requesting my concurrence with their associated NRHP eligibility determinations. The COE have submitted the *Cultural Resources Inventory and Evaluation Report for Sonoma-Marin Area Rail Transit (SMART): Downtown San Rafael, Marin County to Petaluma, Sonoma County MP 17-MP 37.02* (ICF: 2013) in support of their eligibility determinations, APE delineation and their determination that this project will not affect historic properties. After reviewing this document, I have the following comments:

- 1) The COE has delineated the APE as the railroad Right of Way, twelve proposed staging areas, the Hamilton passenger station area and the historic downtown San Rafael railroad station property. Pursuant to 36 CFR Part 800.4 (a)(1), I have no objection to the APE as defined and delineated by the COE.
- 2) I concur that the Novato Railway Station, constructed in 1917, is eligible for NRHP inclusion under criteria A and C at the state and local levels of significance.
- 3) Based on my understanding that these properties have been formally evaluated for NRHP eligibility, I concur that the NWPRR, Dock One (including shelter), the Gallinas Bridge, San Rafael Railroad station and the levee and ditch system are not eligible for NRHP inclusion.
- 4) Documentation indicates CA-SON-1465H and CA-SON-2152 have not been formally evaluated for NRHP eligibility, therefore I am unable to concur with the COE's NRHP determinations. As both sites will be avoided during project activities, I suggest they be considered NRHP eligible for the purposes of this undertaking.
- 5) Archaeological site CA-SON-2152 was tested at a level sufficient only to confirm the site boundaries extend into the APE and a formal determination of eligibility has not been submitted for my concurrence. Although construction activities are not anticipated to extend beyond the depth of the railroad ballast, as a condition of my concurrence, the COE shall establish an Environmentally Sensitive Area encompassing a 10-foot buffer around the site's documented boundaries, install temporary fencing, and ensure that a Native American and archaeological monitor are present for any ground disturbance occurring within 100 feet of the site boundaries.
- 6) It is my understanding the COE intends to develop an archeological monitoring and discovery plan in coordination with CA SHPO and the Federated Indians of Graton Rancheria. I concur with this approach and look forward to the implementation of this document.
- 7) The COE have determined that this undertaking will affect historic properties. If you agree that as a condition for issuing the Clean Water Act Section 404 and Section 10 of the Rivers and Harbors Act of 1899 permits, CA-SON-2152, CA-SON-1465H and the Novato rail station will be completely avoided, I concur that a finding of no historic properties affected is appropriate pursuant to 36 CFR Part 800.4(d)(1). Please evidence your agreement by signing the signature block below. Alternatively, you may provide me with a separate letter concurring with the proposed conditions.

Thank you for seeking my comments and for considering historic properties in planning your project. If you require further information, please contact Brendon Greenaway of my staff at phone 916-445-7036 or email brendon.greenaway@parks.ca.gov or Ed Carroll at (916) 445-7006 or Ed.Carroll@parks.ca.gov.

Sincerely,



Carol Roland-Nawi, PhD
State Historic Preservation Officer

AGREED _____

DATE _____

Jane M. Hicks
Chief, Regulatory Division

APPENDIX D

Hazardous Materials



Environment

Prepared for:
Sonoma-Marín Area Rail Transit
Petaluma, California

Prepared by:
AECOM
Oakland, California
60191144
March 2013

DRAFT Initial Site Assessment SMART San Rafael to Larkspur Extension Marin County, California





Environment

Prepared for:
Sonoma-Marín Area Rail Transit
Petaluma, California

Prepared by:
AECOM
Oakland, California
60191144
March 2013

DRAFT Initial Site Assessment SMART San Rafael to Larkspur Extension Marin County, California

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Executive Summary

Sonoma Marin Area Rail Transit (SMART) District contracted with AECOM to perform an Initial Site Assessment (ISA) for the planned SMART San Rafael to Larkspur Extension, located along a former railroad corridor (subject property). This ISA was performed in general conformance with the scope and limitations of American Society for Testing and Materials Standard Practice Designation E 1527-05 for Environmental Site Assessments (ESAs). Exceptions to, or deletions from, this practice are described in this report.

The subject property is part of a former railroad corridor averaging around 100 feet wide and just over two miles in length, located within the city limits of San Rafael and Larkspur, California. The project site is owned by Sonoma Marin Area Rail Transit (SMART). The project site exists for most of its length atop a former Northwestern Pacific Railroad embankment, except in the 1,100-foot tunnel section between San Rafael and Larkspur, which is located beneath Cal Park Hill on the east side of Highway 101.

The site visit occurred on February 7, 2013. No visual evidence of underground storage tanks (e.g., vent pipes, fill ports), potable water wells, monitoring wells, clarifiers, dry wells, septic tanks, or leach fields was observed within the project corridor during the site visit. Off-site sources of concern were identified in the immediately vicinity due to the nature of the business in the area, which include a number of auto repair shops and a cement plant. These concerns are discussed further below.

Although the subject property was not identified on the environmental data base search report obtained for this project, there were over 700 database listings for properties that have used, stored, or have had documented releases of hazardous materials within the ASTM-recommended search distances from the project corridor. The majority of these sites were listed on non-contamination-related databases; however, there are 111 leaking underground storage tank (LUST) site listings, 13 Spills, Leaks, Investigations, and Cleanups (SLIC) program listings through the California Regional Water Quality Control Board, and 24 Envirostor listings through the California Department of Toxic Substances Control. Based on AECOM's review of these database listings, most of these sites are not expected to present a recognized environmental condition (REC) with respect to the subject property based on their distance from the subject property, regulatory status (i.e. closed, no violations found), media impacted (i.e. soil only), and/or topographical position from the subject property (i.e. down-gradient or cross-gradient).

The following RECs were identified during this assessment:

- Proshop Inc. at 658 Irwin Street, San Rafael is located approximately 130 feet southwest of the project corridor, on the other side of an open drainage channel. This Cleanup Program Site is listed as an open case under site assessment. Due to the open regulatory status, proximity to the site, groundwater direction towards the project corridor, and presence of sheen on groundwater as noted on available groundwater monitoring reports, it is AECOM's opinion that this presents a REC with respect to the subject property.
- Best Buy at 632 Irwin Street, San Rafael is located approximately 20 feet southwest of the project corridor, on the other side of an open drainage channel. In May 2009, the California Regional Water Quality Control Board, San Francisco Bay Region issued a *Notification of Intent to Issue a No Further Action Letter* stating that residual amounts of hydrocarbons and

metals remained in the soil and groundwater beneath the property, but do not pose an adverse human health or environmental impact under current conditions and/or commercial/industrial property use. However, the State Water Resource Control Board Geotracker online database does not indicate that the No Further Action Letter was issued. Due to the open regulatory status and proximity of the site, it is AECOM's opinion that this presents a REC with respect to the subject property.

- 10 Woodland Avenue, San Rafael is adjoining to the project corridor near the intersection of Andersen Drive and Francisco Boulevard West. This site is listed on a historical underground storage tank (HIST UST) database for a gasoline UST installed in 1975. During a site visit in February 2013, AECOM personnel noted the facility was occupied by an auto repair shop, Northern Stars Auto Repair. The site is not listed in the State Water Resource Control Board Geotracker online database, which includes permitted UST facilities. Due to the proximity to the corridor and unknown status of the UST, it is AECOM's opinion that this site presents a REC with respect to the subject property.

The following historical RECs (HREC) were identified during this assessment:

- 703 Third Street, San Rafael is listed on the LUST database under 'Greyhound Line, Inc.'; which would place this listing at the northern terminus of the project corridor. The LUST case is shown as 'closed' with final regulatory closure issued in 1990. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- 755 Second Street, San Rafael is listed as a former Shell fueling station on the LUST database. The former Shell station was located approximately 250 feet to the west of the project corridor. The LUST case is shown as 'closed' with final regulatory closure issued in July 2009. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 440 Francisco Boulevard West, San Rafael is located approximately 40 feet northeast of the project corridor. In November 2007, the property owner recorded a deed restriction for the benefit of the California Regional Water Quality Control Board. The deed restriction identified the property and underlying groundwater to contain volatile organic compounds, petroleum hydrocarbons, and heavy metals, constituting hazardous materials. Subsequently, the Regional Board issued a No Further Action letter in January 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- McPhail-Shamrock Concrete Plant at 548 Dubois Street, San Rafael is located approximately 30 feet southwest of the project corridor, on the other side of an open drainage channel. ASTs were removed from the site, and soil was excavated and removed in March 2003 and July 2004. The Regional Board issued a No Further Action letter in November 2009. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 540 Francisco Boulevard West, San Rafael is located approximately 50 feet northeast of the project corridor. This LUST case is shown as 'closed' with final regulatory closure issued in April 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.

- RAB Motors at 550 Francisco Boulevard West, San Rafael is located approximately 145 feet northeast of the project corridor. In October 2007, the property owner recorded a deed restriction for the benefit of the California Regional Water Quality Control Board. Subsequently, the Regional Board issued a No Further Action letter in January 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.

As noted above, two of the HRECs have deed restrictions: RAB Motors at 440 Francisco Boulevard West, San Rafael and RAB Motors at 550 Francisco Boulevard West, San Rafael. These deed restrictions pertain to the on-site soil and groundwater below the properties. If dewatering is deemed necessary in the area of these two properties during the construction of the SMART project, the deed restrictions will need to be reviewed with respect to the specific dewatering plans to determine if the groundwater covered by the deed restrictions will be disturbed and to identify any additional handling, disposal, and/or notification requirements, as necessary.

The following de minimis condition was identified during this assessment:

- There was one pole-mounted transformer observed along the project corridor in Larkspur, just south of the multi-use pathway; however, the pole appeared to be outside of the fencing along the corridor.

1.0 Introduction

1.1 Purpose

The 2006 Sonoma Marin Area Rail Transit (SMART) Final Environmental Impact Report (FEIR) included a hazardous materials investigation in order to determine the potential health risks due to encountering environmental contamination in the soil and groundwater within the project corridor. Due to the age of that investigation, the purpose of this Initial Site Assessment (ISA) is to provide updated information regarding recognized environmental conditions (RECs) associated with the SMART project segment within San Rafael and Larkspur, known as the San Rafael to Larkspur Extension, which is considered the subject property for this assessment. The assessment follows the industry standard, the American Society for Testing and Materials (ASTM) Standard E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."

A REC is defined by ASTM Standard Practice E-1527-05 as "The presence of or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies." This assessment is based on a review of existing conditions, reported pre-existing conditions, and observed operations at the subject property and adjacent properties.

1.2 Scope of Work

The ISA included a site visit, regulatory research, historical review, and environmental database analysis of the subject property. In conducting the ISA, AECOM assessed the subject property for visible signs of possible contamination and researched public records for the subject property.

This project was performed in general accordance with ASTM Standard Practice Designation E 1527-05. Conclusions reached in this report are based upon the assessment performed and are subject to limitations set forth in Sections 1.3, 1.4, and 1.5 below.

1.3 Study Limitations

This report describes the results of AECOM's ISA to identify the presence of contamination-related liabilities materially affecting the subject facility and/or property. In the conduct of this assessment, AECOM assessed the presence of such problems within the limits of the established scope of work as described in our proposal.

As with any due diligence assessment, there is a certain degree of dependence upon oral information provided by facility or site representatives, which is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition,

the findings in this report are subject to certain conditions and assumptions, which are noted in the report. Any party reviewing the findings of the report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, conclusions, and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

As specified in the ASTM standard (referred to below as "this practice"), it is incumbent that the client and any other parties who review and rely upon this report understand the following inherent conditions surrounding any Phase I ESA:

- **Uncertainty Not Eliminated** – No ESA can wholly eliminate uncertainty regarding the potential for REC in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for REC in connection with a property, and this practice recognizes reasonable limits of time and costs. (Section 4.5.1 of the ASTM standard)
- **Not Exhaustive** – "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. (Section 4.5.2 of the ASTM Standard)
- **Comparison with Subsequent Inquiry** – It should not be concluded or assumed that an inquiry was not an "all appropriate inquiry" merely because the inquiry did not identify RECs in connection with a property. ESAs must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors. (Section 4.5.4 of the ASTM Standard)

This report was prepared pursuant to an agreement between SMART (Client) and AECOM and is for the exclusive use of the Client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM-generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions, which would render the report inaccurate. Reliance on this report after the date of issuance as an accurate representation of current site conditions shall be at the user's sole risk.

1.4 Site-Related Limiting Conditions

The following site-specific limitations were encountered during the course of this assessment:

- The portion of the project corridor south of Cal Park Hill Tunnel was fenced and inaccessible. Because the project corridor was observable from the adjacent multi-use paved pathway, this particular site-relate limiting condition is not expected to have a significant limitation to this assessment.
- The portion of the project corridor within Cal Park Hill Tunnel was fenced, gated, and inaccessible. This particular site-relate limiting condition is not expected to have a significant limitation to this assessment.
- A portion of the project corridor south of Rice Drive is covered by an asphalt-paved parking lot that is fenced. Since this area was observable from the unfenced surrounding areas, this particular site-relate limiting condition is not expected to have a significant limitation to this assessment.

1.5 Data Gaps/Data Failure

The following data failure/data gaps were encountered during the course of this assessment:

- A title search and environmental lien search were not conducted as part of this ISA. However, based upon historical data collected from other sources, this data gap does not represent a data failure and as a result is not expected to impact the results of this assessment.
- Per ASTM, past owners, operators, and occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. Past owners and/or operators of the project corridor were not interviewed. However, since the project corridor has historically been a railroad right of way, this data gap is not expected to represent a data failure and as a result is not expected to impact the results of this assessment.

2.0 Site Description

2.1 Site Location and Description

The project site is part of a former railroad corridor averaging around 100 feet wide and just over two miles in length, located within the city limits of San Rafael and Larkspur, California. The project site is owned by Sonoma Marin Area Rail Transit (SMART).

The project site exists for most of its length atop a former Northwestern Pacific Railroad embankment, except in the 1,100-foot tunnel section between San Rafael and Larkspur, which is located beneath Cal Park Hill on the east side of Highway 101. The tunnel was originally constructed as a single track bore in 1884, and essentially rebuilt/excavated in 1924 to accommodate a second track. The site vicinity and location of the right of way are shown in Figure 1. A detailed layout of the project and study area is shown on Figure 2a through Figure 2c.

The northern terminus of the planned SMART San Rafael to Larkspur Extension is located at 3rd Street, immediately north of the bus transfer facility between Tamalpaish Avenue and Heather-ton Street in San Rafael. The southern terminus is approximately a few hundred feet north of Sir Francis Drake Boulevard, between Highway 101 and Larkspur Landing Circle, and just south of the Cal Park Hill Pathway terminus.

Highway 101 runs alongside the west side of the project site from its southern terminus to the overpass above the intersection of Woodland Avenue and Auburn Street in San Rafael. The northern section of the project site is mainly bounded by a heavily commercial area of San Rafael, in which several automotive, construction, retail, and painting businesses are located and is just to the west of Francisco Boulevard West and Highway 101. Just to the north of Cal Park Hill Tunnel, there are mostly vacant lots adjacent to Woodland Avenue and Auburn Street, as well as some residential areas at higher elevations. To the east, the project corridor is adjoined by the Cal Park Hill Pathway from Andersen Drive, just south of Francisco Boulevard West, through Cal Park Hill Tunnel, and to the terminus of the pathway at the Cineplex in Larkspur. The southern section of the project site is flanked by a residential area to the west, at higher elevations on the opposite side of Highway 101. The southern section is bounded to the east by the commercial and residential areas of Larkspur Landing Circle. Uses of adjacent properties which could adversely affect the project site were observed from the project site and public right of ways; access to adjacent properties was not provided under this project.

2.2 Site Ownership

The subject property is owned by SMART.

2.3 Site Visit

Mr. Dan Ruslen and Mr. Ben Loebner with AECOM's Oakland California office visited the project corridor on February 7, 2013. Site-related limiting conditions encountered during this assessment were previously summarized in Section 1.4. The site visit methodology consisted of the following:

- Observation of the portion of the project corridor south of the tunnel by walking the Cal Park Hill Pathway;
- Walking along the project corridor to the north of Cal Park Hill Tunnel, between the tunnel and Third Street in San Rafael; and
- Driving along the public roadways intersecting and/or running nearby the project corridor, periodically stopping for closer observation of adjacent properties.

The following sections summarize the results of the site visit.

2.3.1 Site Description

The project site is part of a former railroad corridor. Between 2009 and 2010 a paved, multi-use pathway (Cal Park Hill Pathway) was developed on the eastern side of the railroad corridor along the southern portion (approximate 1-mile) of the project site. This pathway development included the opening of the rehabilitated Cal Park Hill Tunnel, through which the SMART project will also be constructed. In Larkspur, south of the tunnel, it appears that the railroad ties were removed during the construction of the pathway, and the SMART project side (western side) the former railroad corridor was covered in gravel. A cement drainage ditch was constructed between the undeveloped portion of the corridor and the pathway. No evidence of environmental concerns was observed within the SMART project portion of the corridor, which is fenced to prevent unauthorized access. A metal pipe was observed sticking out of the ground within this fenced area and was surrounded by orange caution fencing, but the pipe is marked with a high pressure gas main label.

On the western side of the corridor, there is a sloped hillside between Highway 101 and the flat portion of the corridor. No evidence of environmental concerns was observed within this area.

South of the paved pathway, the former railroad corridor is being used for automobile parking by a local transport company (Marin Airporter). West of the flat, fenced, gravel portion of the corridor, there is a utility pole with a pole-mounted transformer. The pole was only viewable from a distance since this area was in accessible; however, it appears the pole is located outside of the fencing, along the hill slope leading up to Highway 101.

North of the tunnel and south of the intersection of Francisco Boulevard West and Andersen Drive, the corridor is much like the corridor south of the tunnel. It appears that the railroad ties were removed during the construction of the paved pathway along the eastern side, and the western side the former railroad corridor is currently covered in gravel, with a cement drainage ditch between the undeveloped portion of the corridor and the pathway. However, this portion of the corridor is not completely fenced to restrict access, and there was trash in the corridor from homeless encampments, although no hazardous materials were observed. Between the Highway 101 overpass and the northern portal of the tunnel, there is a segment accessible from nearby Jacoby Street. At the time of the site visit, there were a few new automobiles being temporarily parked within the corridor at this access point, with the cars appearing to be from an Audi dealership.

At the intersection of Francisco Boulevard West and Andersen Drive, the project corridor crosses Andersen Drive northwest of the intersection. North of Andersen Drive and for a short distance south, the tracks (rails and ties) remain, but the rails may have been removed from the Andersen Drive or paved over, as there are asphalt patches in Andersen Drive where the rails were located.

On the north side of Andersen Drive, the railroad tracks and ballast continue for over 1,000 feet. On the eastern side of the corridor and north of Andersen Drive, there is a stormwater drainage area / ditch with some culverts protruding from adjacent properties. At the time of the site visit, there was no visible water in this area. Both within the drainage area and along the western side of the corridor, some trash from homeless encampments was observed, but no hazardous materials were visible. This drainage ditch continues until meeting a drainage canal, which does contain water. The drainage canal crosses the project corridor approximately 1,200 feet south of Rice Drive and continues to north to Rice Drive along the western portion of the corridor. No sheen was observed on the water within the canal. Approximately a few hundred feet north of where the canal crosses the project corridor, a 12-inch diameter pipe marked 'force main' crosses over the canal on the western side of the project corridor. There was also a segment of a similar pipe about 15 feet to the north protruding from the project corridor over the canal. The western segment of the pipe is no longer present, and the pipe is not capped.

Beginning about 700 feet south of Rice Drive, the former railroad corridor is paved over and fenced and is being used for parking by the adjacent auto dealer. The paved portion of the corridor continues approximately 450 feet north of Rice Drive, again being used for parking by an auto dealer.

Continuing north, the former railroad corridor is unpaved, with the tracks remaining as it follows along Francisco Boulevard West, crossing Irwin Street and eventually Francisco Boulevard West and San Rafael Creek. Just north of the Irwin Street crossing and just south of the Francisco Boulevard West crossing there are two former electrical boxes within the former railroad corridor. The electrical boxes were likely associated with the crossing gates. They no longer contain electrical equipment or wires.

North of the creek, the project corridor crosses Second Street and enters into the San Rafael Transit Center, terminating at Third Street. At the Transit Center, the former railway track remains in the pavement, located in between two platforms and alongside a taxi stand.

2.3.2 Surrounding Properties

As noted earlier, the southern section of the project site is adjacent to the recently constructed Cal Park Hill Pathway, followed to the south and east by an area of Larkspur occupied by a hospice, charter and tour service, movie theater, and several office buildings. None of the businesses near the southern end of the project site were deemed to be of environmental concern for the project site. Highway 101 and residential areas are on the hills west of the southern section of the project area.

The northern section of the project site is located in a heavily commercial and light industrial area of San Rafael. Between Andersen Drive and Rice Drive, most of the businesses are either downgradient from the project site (towards the east) or are separated from the project corridor by a drainage canal. Immediately east of the project corridor, there are primarily shopping centers and automobile dealerships, some of which have had automobile repair shops.

The first few thousand feet of the project corridor north of Cal Park Hill Tunnel is along an incline in elevation from Anderson Drive to the tunnel and is bordered by Cal Park Hill Pathway to the east. The two businesses described below border on the former railroad corridor at equal or higher elevation and are typical of those that utilize or may have used petroleum hydrocarbon liquids, solvents, or other materials that have the potential for contamination.

- Approximately 200 feet north of the northern tunnel portal on the western side of the project site is an approximately 400-foot by 50-foot parking/staging area for Davey Tree Service, a tree trimming and landscaping business. Several trucks, dumpsters, wood chipper trailers, and an office trailer are located in the fenced and concrete-paved area.
- West of the intersection of Andersen Drive and Francisco Boulevard West, on the western side of the former railroad corridor is a relatively thin strip of land occupied by an auto repair shop (Northern Stars Auto Repair at 10 Woodland Avenue), which includes a building that abuts the railroad corridor. It should be noted that this site is listed in the Historical UST database (HIST UST) for a gasoline UST installed in 1975 (see Section 5.3.2).

North of Anderson Drive, there are primarily automobile dealerships and shopping centers east of the corridor. On the western side between Anderson Drive and Rice Drive, there are offices, auto repair shops, and Shamrock Concrete Plant. AECOM's site visit did not identify evidence of spills, leaks or hazardous waste generation or storage along the common boundaries between the immediately surrounding properties and the subject property; however, most of these businesses are primarily located within buildings with the exception of parking of automobiles and the activities conducted at the concrete plant. The concrete plant is surrounded by cement block wall, and only the tops of cement trucks, gravel stockpiles, and the mixing tower and conveyor belts were visible from the project corridor. Several of these nearby sites, including the concrete plant, have been under regulatory investigation, which is discussed in Section 5.3.2.

North of Rice Drive, Francisco Boulevard West is east of the project corridor, and west are shopping centers, an auto dealership, and a tire shop. Also adjacent to the corridor just south of where it crosses Francisco Boulevard West and San Rafael Creek, there is a roofing business located adjacent to the former railroad corridor. During the walk of the corridor, Marin Roofing Company, located at 250 Francisco Boulevard West, had outdoor storage of roofing materials on pallets, including empty, discarded 5-gallon pails, adjacent to the fence line.

North of San Rafael Creek, the surrounding area is primarily paved roads (such as Second Street and Third Street), the San Rafael Transit Center, and buildings containing restaurants, offices, shops, and banks. No spills, leaks, or evidence of hazardous materials usage or hazardous waste was observed during the site visit.

2.3.3 Petroleum Products and Hazardous Materials

Hazardous materials or petroleum products were not observed along the subject property. Staining or visual evidence of a hazardous materials release was not observed at the time of the site visit.

2.3.4 Polychlorinated Biphenyls

Polychlorinated biphenyls (PCB)-containing dielectric fluids have been widely used as coolants and lubricants in transformers, capacitors, and other electric equipment due to their insulating and nonflammable properties. There was one pole-mounted transformer observed along the project corridor in Larkspur, just south of the multi-use pathway; however, the pole appeared to be outside of the fencing along the corridor.

2.3.5 Aboveground Storage Tanks

No petroleum or chemical aboveground storage tanks (ASTs) were observed during the site visit.

2.3.6 Underground Storage Tanks

No visual evidence of underground storage tanks (USTs) (e.g., vent pipes, fill ports) was observed during the site visit. Refer to Section 5.3.2 for adjacent properties listed on UST-related databases.

2.3.7 Solid Waste

No evidence of inappropriate disposal activities, with the exception of minor trash from homeless encampments, and no significant staining were observed at the subject property.

2.3.8 Hazardous Waste

No evidence of hazardous waste generation was observed at the subject property.

2.3.9 Water

There is drainage canal containing water that crosses the property between Rice Drive and Andersen Drive and follows along the western side of the corridor for approximately 1,200 feet south of Rice Drive. The corridor also crosses San Rafael Creek, just south of Second Street. No sheen was observed on either of these waterways.

2.3.10 Wastewater

No waste water conveyance systems were observed at the subject property during the reconnaissance.

2.3.11 Stormwater

Stormwater drainage ditches were observed along the project corridor adjacent to the multi-use pathway installed in 2010, both south and north of Cal Park Hill Tunnel. As noted, there is a stormwater drainage area / ditch on along the eastern side of the corridor north of Andersen Drive. Drainage culverts were observed entering this drainage area from surrounding properties to the east. Additionally, storm drains were observed within the pavement at the San Rafael Transit Center, nearby the railway track area.

2.3.12 Heating and Cooling

No buildings are located within the former railroad corridor.

3.0 Environmental Setting

3.1 Topography

In the sections north and south of the tunnel, the project site lies at an elevation between approximately 30 to 80 feet above mean sea level (msl). The tunnel is at approximately 80 feet above msl. The northern section, from Andersen Drive to Third Street, is situated in a relatively flat area, with surface elevations of the railroad corridor to within 5 to 10 feet of msl and surrounding sites within a few feet of msl. According to a USGS geologic map of Marin County, the local topography can be characterized as flat man-made fill in the northern section and near the southern terminus, with hilly “mélange” terrain in the higher-elevation middle section (USGS, 2000).

3.2 Soil/Geology

Surficial soils in the lower elevation filled areas can be characterized as unconsolidated fine to medium grained marine and alluvial sediments. Such sediments typically have a low to medium hydraulic conductivity (i.e., groundwater moves through the sediments at a relatively slow rate). Surficial soils in the higher elevation hilly areas can be characterized as unconsolidated fine to coarse grained soils, with subsurface layers of clay loam, gravelly loam, and weathered bedrock. Such sediments have a medium hydraulic conductivity (i.e. groundwater moves through the sediments at a relatively faster rate than those sediments described above). These soils, particularly in the hilly elevations, have the potential for transmission of groundwater flow at a relatively faster rate than soils containing mostly clays or other less permeable materials.

3.3 Groundwater/Hydrology

The EDR DataMap Well Report shows that the flat area surrounding the northern section of the project site is within a 100-year flood zone. The project corridor crosses San Rafael Creek just south of the northern terminus of the project. An unnamed drainage canal leading to San Rafael Creek follows along the western side of the project corridor south of Rice Drive and crosses the corridor between Rice Drive and Andersen Drive. The land surface slopes downward to the north and east in the northern section and slopes downward to the south and east in the southern section. The nearest downgradient body of surface water to the south is the Corte Madera Channel, which is approximately 1,000 feet southeast of the southern terminus. Both San Rafael Creek and Corte Madera Channel are connected to San Francisco Bay.

From the State Water Resource Control Board Geotracker website, prior groundwater data from on-site wells at nearby properties has shown groundwater measured at depths as shallow as 3 to 10 feet bgs. The inferred direction of regional groundwater flow in the area, based upon the project site inspection, examination of the topographic maps, and nearby well information, is to the north, northeast, and east in the northern section and to the south and southeast in the southern section. However, buildings and other conditions on the project site and nearby parcels, including sewer lines and/or other recharge sources, may significantly affect the local groundwater flow patterns.

4.0 Site and Area History

Historical information for the subject property and surrounding properties is based on AECOM's review and analysis of the following historical sources:

- Aerial photographs dated 1959, 1966, 1974, 1984, and 1987, provided by EDR;
- Aerial photographs, yearly between 1987 and 2012, as available on Google Earth;
- Topographic maps dated 1897, 1947, 1950, 1954, 1968, 1980, 1993, and 1995; and
- Sanborn fire insurance maps dated 1887, 1894, 1907, 1924, 1950, 1957, 1960, and 1970 (coverage available for San Rafael only).

4.1 Subject Property

The project site exists for most of its length atop a former Northwestern Pacific Railroad embankment, except in the 1,100-foot tunnel section (Cal Park Hill Tunnel) between San Rafael and Larkspur. The tunnel is located on the east side of Highway 101. It was originally constructed as a single track bore in 1884 and essentially rebuilt/excavated in 1924 to accommodate a second track. The earliest Sanborn map available, dated 1887, shows downtown San Rafael with the tracks extending south past Third Street and the Northern Pacific Railroad Depot adjacent to the tracks between Third and Fourth Street.

The earliest topographic map (1897) available for review during this assessment shows the project site as a railroad. The tunnel is shown as a double dashed line through Cal Park Hill. The map shows marine and marsh areas around Corte Madera Channel and San Rafael Creek as they existed before they were filled in. Approximately a mile portion of the project site, essentially between what is now Andersen Drive to the south and the San Rafael Creek crossing to the north, extends into the marsh around San Rafael Creek, either as a railroad bridge or a thin strip of fill allowing the railway to pass through the marsh. Filling and development of the marsh area surrounding the railroad first appears in the 1947 topographic map.

The more significant changes that have occurred directly to the railroad corridor within the project area included construction of the San Rafael Transit Center, paving a portion of the railroad corridor around Rice Drive for parking lot use, and construction of the Cal Park Hill Pathway. The San Rafael Transit Center, which encompasses the former railroad tracks between Second Street and Third Street in San Rafael, first appeared in aerial photos in 1993. The sections south and north of Rice Avenue were paved sometime around 2003 and 2005, respectively, based on the aerial photos reviewed. Finally, the construction of Cal Park Hill Pathway along the eastern side of the railroad corridor between San Rafael and Larkspur occurred between 2009 and 2010. As noted earlier, during the construction of the Cal Park Hill Pathway, the railroad ties were removed from the corridor, the corridor was covered with gravel, and a cement drainage ditch was constructed between the pathway and western portion of the corridor.

Hazardous materials commonly associated with railroad operations include petroleum products such as fuels and oils, metals, pesticides and herbicides, wood preservatives on railroad ties, lead-acid

batteries at former electrical signals, lubricants, and solvents. Also, serpentinite minerals that can include types of asbestos are common in California and may have been used as railroad ballast.

Some parts of the project site may be affected by common contaminants from non-specific sources in urbanized areas. Hazardous materials often encountered in urbanized areas include:

- Soil contamination by aerial deposition of engine exhaust-emitted particulate lead from lead-based additives used in gasoline up until the 1990s often occurs in areas of heavy traffic. Portions of the project are adjacent to Francisco Boulevard West and have other roadway crossings (Rice Drive, Andersen Drive, etc.).
- Volatile organic compounds (VOCs) such as gasoline and gasoline constituents, fuel oxygenates, and solvents can be found in groundwater in heavily urbanized areas, where releases of such materials are often not documented.

4.2 Off-site Properties

The earliest Sanborn map coverage, dated 1887 and 1894, only shows the area of San Rafael in the vicinity of Second and Third Street, since the land to the south was marshland at the time, with the exception of the railroad corridor. The area shown is the northern terminus of the project site. On the 1887 and 1894 Sanborn maps, the property in the immediate vicinity of the railroad corridor contained a locomotive house, turntable, platform and railroad shed. The general area surrounding the railroad operations mainly consisted of hay barns, stables, small dwellings, and hotels.

On the 1907 and 1924 Sanborn maps, the railroad corridor is mostly unchanged and still primarily surrounded by dwellings. A paint house, cattle yard, and gas works / oil pump house are to the east of the corridor as of 1907. A lumber yard and planing mill are shown to the east as of 1924, and some of the surrounding hotels were beginning to have automobile garages. Southwest of the corridor near Second Street, the San Rafael Baths (swimming pool and salt water pond) are shown on the 1924 map.

Further south, which is now the area between the San Rafael Creek crossing and Andersen Drive, the earliest topographic map (dated 1897) shows marine and marsh areas around Corte Madera Channel and San Rafael Creek as they existed before they were filled in. The project site was either as a railroad bridge or a thin strip of fill allowing the railway to pass through the marsh. Filling and development of the marsh area surrounding the railroad first appears in the 1947 topographic map.

The next available Sanborn map coverage of the San Rafael area was 1950, following the filling and development of the marsh area. A variety of commercial, manufacturing, and other business are shown around the railroad corridor. Some of these include fueling stations, auto repair facilities, a leather factory, hardware and furniture stores, and a creamery. At the northern terminus, a bus depot appears.

The 1957 and 1960 Sanborn maps show further evolution of commercial and light industrial facilities surrounding the tracks. There are additional auto repair facilities and sheet metal shops east of the corridor. West of the railroad corridor, there is a forged aluminum parts manufacturing facility, tire vulcanizing shop, and gravel bunkers noted to the south. These surrounding property uses continue to be shown on the 1970 Sanborn maps, with additional iron, tin, and concrete materials storage on the western side of the corridor.

Sometime between the 1970 and 1987 (earliest aerial photographs with reasonable resolution), the cement plant west of the railroad corridor is constructed. The large mixing tower and overhead conveyors first are seen on the 1987 aerial photos. Three large buildings to the south of the cement plant are also discernible; these currently house primarily auto repair shops. East of the corridor, a large area is observed to be cleared. This area later is developed between 1987 and 1993 into a retail shopping center with parking lots, which is the current use.

Between 1987 and today, the areas surrounding the corridor developed as follows:

- The northern terminus of the railroad corridor is located within the San Rafael Transit Center, which was constructed between 1987 and 1993 based on aerial photos. This surrounding area has developed into a commercial area that includes restaurants, film and print shops, a bank, offices, and other retail.
- South of San Rafael Creek and east of the corridor, there is Francisco Boulevard West, followed by Highway 101. Going south, there is a tire center, followed by retail shopping centers, automobile dealerships, and a mobile home park.
- South of San Rafael Creek and west of the corridor, the cement plant and auto repair shops remain.
- Just north of the tunnel, the Cal Park Hill Pathway, constructed between 2009 and 2010, is along the east of the corridor. Some residential remains to the west.
- In Larkspur, there are mainly offices, a hospice, movie theater, and transportation provider east of the corridor, just beyond the Cal Park Hill Pathway.
- West of the corridor in Larkspur, there is Highway 101, followed by mainly residential.

4.3 Previously Prepared Environmental Reports

During the course of this assessment, AECOM reviewed the following environmental reports that were previously prepared specifically for the corridor area:

- *Final Environmental Impact Report, Sonoma – Marin Area Rail Transit*, dated June 2006 and prepared by Parsons Brinckerhoff Quade & Douglas, Inc.;
- *Draft Hazardous Materials Assessment Report for SMART Alternatives Analysis (AA)/Draft Environmental Impact Statement (DEIS)/Draft Environmental Impact Report (DEIR)*, dated March 2005 and prepared by MACTEC Engineering & Consulting, Inc.;
- *Revised Final Environmental Report, Phase II Investigation Summary Report for Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Larkspur/San Rafael, California*, dated February 2006 and prepared by Earth Tech, Inc.; and
- *Final Phase I Environmental Site Assessment for Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Larkspur/San Rafael, California*, August 2005 and prepared by Earth Tech, Inc.

As mentioned earlier, the purpose of this ISA is to update the information for the hazardous materials investigation that was included in the June 2006 SMART FEIR, specifically for the San Rafael to Larkspur Extension portion of the SMART project. The SMART FEIR hazardous materials evaluation is based on the *Hazardous Materials Assessment Report* prepared by MACTEC. Within both of these

documents, specific sites are not discussed. Instead, these documents both note that there were multiple facilities in the 700 Block of Second and Third Streets of San Rafael with suspected contamination from petroleum hydrocarbons and solvents. The reports noted that some of the facilities completed or were undergoing soil and/or groundwater remediation, with the status of the groundwater investigations unknown for several of the cases. The potential for these facilities to affect the proposed project was deemed 'low'.

Additionally, the *Hazardous Materials Assessment Report* included an evaluation of bridge crossings for the potential presence of lead-based paint (LBP) in coatings and asbestos in wrapped utility lines, bridge expansion joints, concrete-water lines or other building materials. In the San Rafael to Larkspur area, the only bridge identified in the report as having the potential for the presence of LBP and asbestos in building materials and steel bridgework was at milepost 20.91 (BR-004), which would put the bridge approximately 3 miles north of the terminus of the SMART San Rafael to Larkspur Extension, or outside of the study area for this ISA.

The Cal Park Hill Phase I and Phase II ESA Reports prepared by Earth Tech were for the portion (approximate 1-mile segment) of the railroad corridor between Andersen Drive in San Rafael and the current southern terminus of the Cal Park Hill Pathway in Larkspur, excluding the tunnel. The Cal Park Hill Pathway was constructed in 2009-2010 on the eastern side of the railroad corridor, including passing through Cal Park Hill Tunnel following rehabilitation of the tunnel.

The Phase II investigation was conducted based on the Phase I recommendations and consisted of the advancement of a total of fifteen borings at 300 ft intervals along the former railroad corridor and/or at locations of staining noted in the Phase I. The sampling depths, between the surface and 2 to 5 ft below ground surface, corresponded with the construction plans. Only soil samples were collect, as groundwater was not encountered. The soil samples were analyzed for a number of chemicals, including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH) as gasoline (TPH-G), diesel (TPH-D), motor oil (TPH MO), pesticides, polychlorinated biphenyls (PCBs) and asbestos.

Based on soil the sampling results, the Phase II concluded the following:

- A portion of the surface soil/ballast at one of the boring locations would be classified as a hazardous waste (non-RCRA), for disposal, due to arsenic and lead concentrations.
- High molecular weight petroleum hydrocarbon contamination (classified as motor oil) is very common near the ground surface, with TPH-MO detected in 30 of the 31 samples collected within 5 feet of the ground surface. However, potentially significant levels of TPH-MO were not detected.
- Pesticides are sometimes present in on-site surface soils in relatively low concentrations.
- Other chemicals such as VOCs, SVOCs, PCBs, and asbestos were not found to be present in the soil/ballast planned for excavation.

5.0 Database and Records Review

5.1 User Provided Information

No user provided information was available in this assessment.

5.2 Title Records/Environmental Liens

An environmental lien search was not performed as part of this assessment.

5.3 Database Information

In accordance with the scope of work and ASTM Standard E-1527-05, a search of various governmental databases was conducted by EDR. The site-specific environmental database report prepared by EDR was reviewed to determine the potential for environmental impacts to the subject property from on-site and/or off-site sources of concern. The database abbreviations are provided in the site-specific environmental database report.

The database report includes various reports detailing database information for each of the sites identified/geocoded within the specified radius. Additional sites with recognized environmental risks were identified, but EDR was not able to map them to specific locations due to insufficient/contradicting address information. These sites were included in the database report as "orphan" sites. Based upon AECOM's review, there does not appear to be any significant concerns associated with any of the orphan sites. A summary of AECOM's review and analysis of the site-specific environmental database report is presented below. A copy of the database report is provided in Appendix A.

Based on AECOM's research, the subject property is not located on or within a 1-mile radius of tribal lands.

5.3.1 Subject Property

The subject property was not identified in the site-specific environmental database report.

5.3.2 Surrounding Sites

According to the EDR report, there were over 700 database listings for properties that have used, stored, or have had documented releases of hazardous materials within the ASTM-recommended search distances from the project corridor. Of those, there are 111 leaking underground storage tank (LUST) site listings, 13 Spills, Leaks, Investigations, and Cleanups (SLIC) program listings through the California Regional Water Quality Control Board, and 24 Envirostor listings through the California Department of Toxic Substances Control. Based on AECOM's review of these database listings, most of these sites are not expected to present a REC to the subject property based on their distance from the subject property, regulatory status (i.e. closed, no violations found), media impacted (i.e. soil only), and/or topographical position from the subject property (i.e. down-gradient or cross-gradient), with the exception of those sites as noted in the following discussion.

Due to their close proximity to the subject property, the following sites are discussed in additional detail. The locations of these sites are shown on Figure 2a through Figure 2c.

- 703 3rd Street, San Rafael is listed on the LUST database under 'Greyhound Line, Inc.'; which would place this listing at the northern terminus of the project corridor. Historical Sanborn fire insurance maps from 1960 and 1970 show the former Greyhound bus depot located adjacent to the western side of the project corridor. This site is also listed in the State Water Resource Control Board Geotracker online database. Based on the listings, the LUST case is shown as closed with final regulatory closure issued in 1990. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- 755 2nd Street, San Rafael is listed as a former Shell fueling station on the LUST database. This site is also listed in the State Water Resource Control Board Geotracker online database. The former Shell station was located approximately 250 feet west of the project corridor. Based on the listings and documents provided on the Geotracker website, the LUST case is shown as closed with final regulatory closure issued in July 2009. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- Proshop Inc. at 658 Irwin Street, San Rafael is located approximately 130 feet southwest of the project corridor, on the other side of an open drainage channel. This site is listed on the SLIC database and the State Water Resource Control Board Geotracker online database. According to the information provided within the databases, this site had one UST and three hydraulic lifts removed in 2009. This Cleanup Program Site is listed as an open case under site assessment. The most recent document available on the Geotracker website was a source removal and quarterly groundwater monitoring report from 2012 that described a sheen on groundwater within the three monitoring wells onsite and noted that the groundwater flow direction was to the east (Cardno 2012). Due to the open regulatory status, proximity to the site, groundwater direction towards the project corridor, and noted sheen on groundwater, it is AECOM's opinion that this presents a REC with respect to the subject property.
- Best Buy at 632 Irwin Street, San Rafael is located approximately 20 feet southwest of the project corridor, on the other side of an open drainage channel. This site is listed on the SLIC database and the State Water Resource Control Board Geotracker online database. According to the information provided within the databases, in May 2009, the California Regional Water Quality Control Board, San Francisco Bay Region issued a *Notification of Intent to Issue a No Further Action Letter* stating that residual amounts of hydrocarbons and metals remained in the soil and groundwater beneath the property, but do not pose an adverse human health or environmental impact under current conditions and/or commercial/industrial property use (Regional Board 2009). Subsequently, the onsite groundwater monitoring wells were destroyed in March 2010; however, the Geotracker database does not indicate that the No Further Action Letter was issued. Due to the open regulatory status and proximity of the site, it is AECOM's opinion that this presents a REC with respect to the subject property.

- RAB Motors at 440 Francisco Boulevard West, San Rafael is located approximately 40 feet northeast of the project corridor. This site is listed on the SLIC database and the State Water Resource Control Board Geotracker online database. According to the information provided within the databases, in November 2007, the property owner recorded a deed restriction for the benefit of the California Regional Water Quality Control Board (Bacci 2007). The deed restriction identified the property and underlying groundwater to contain volatile organic compounds, petroleum hydrocarbons, and heavy metals, constituting hazardous materials. Among the provisions set forth in the deed restriction are requirements for adherence to the Soil and Groundwater Management Plan prepared for the site if any excavation work is conducted on the site or if any contaminated soils are disturbed (Green Environment 2007). Subsequently, the Regional Board issued a No Further Action letter in January 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- McPhail-Shamrock Concrete Plant at 548 Dubois Street, San Rafael is located approximately 30 feet southwest of the project corridor, on the other side of an open drainage channel. This site is listed on the SLIC database and the State Water Resource Control Board Geotracker online database. According to the information provided within the databases, ASTs were removed from the site, and soil was excavated and removed in March 2003 and July 2004. Following quarterly groundwater monitoring, the Regional Board issued a No Further Action letter in November 2009. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 540 Francisco Boulevard West, San Rafael is located approximately 50 feet northeast of the project corridor. This site is listed on the LUST database and the State Water Resource Control Board Geotracker online database. Based on the listings and documents provided on the Geotracker website, the LUST case is shown as closed with final regulatory closure issued in April 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 550 Francisco Boulevard West, San Rafael is located approximately 145 feet northeast of the project corridor. This site is listed on the SLIC database and the State Water Resource Control Board Geotracker online database. According to the information provided within the databases, in October 2007, the property owner recorded a deed restriction for the benefit of the California Regional Water Quality Control Board (Bacci 2007). The deed restriction identified the property and underlying groundwater to contain volatile organic compounds, petroleum hydrocarbons, and heavy metals, constituting hazardous materials. Among the provisions set forth in the deed restriction are requirements for adherence to the Soil and Groundwater Management Plan prepared for the site if any excavation work is conducted on the site or if any contaminated soils are disturbed (Green Environment 2007). Subsequently, the Regional Board issued a No Further Action letter in January 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.

- Baxters Court, San Rafael appears to have been located approximately 150 feet northeast of the project corridor, on the other side of an open drainage channel. The former outline of Baxters Court is exhibited on Google Maps, the Department of Toxic Substances Control Envirostor website, and the State Water Resource Control Board Geotracker online database; however, the area is currently being used as a portion of a paved parking lot for an adjacent retail shopping center. Baxters Court has four listings within the Envirostor website: 1) Baxters Court Area, 2) Griese Radiator Repair at 10 Baxters Court, 3) Western Chrome Plating and Polishing at 11 Baxters Court, and 4) Specification Chromium at 14 Baxters Court. The Baxters Court Area listing provides a summary of the three addresses as a single property issue. The information in the database listings indicates that DTSC's predecessor agency, Department of Health Services, conducted site screening in 1987 and identified heavy metals and cyanide as chemicals of concern based on metal plating activities previously conducted at the site. Agency comments in Envirostor state that soil remediation was conducted in 1990; however, none of the sites at Baxters Court show case closure on the Envirostor website. Griese Radiator Repair and Western Chrome Plating are listed as referred to 'other agency' in 1994 and 1996, respectively, while Specification Chromium is listed as 'Inactive – Needs Evaluation' as of 1994. Although the regulatory status appears to be open, the site concern was metals in soil, and the site was approximately 150 feet away on the other side of an open drainage ditch and is currently below a paved parking lot; thus, it is AECOM's opinion that this site does not present a REC to the subject property.
- 10 Woodland Avenue, San Rafael is adjoining to the project corridor near the intersection of Andersen Drive and Francisco Boulevard West. This site is listed on the HIST UST database under the listing identification of "Leased Property" for a regular fuel UST installed in 1975. During a site visit in February 2013, AECOM personnel noted the facility was occupied by an auto repair shop, Northern Stars Auto Repair. The site is not listed in the State Water Resource Control Board Geotracker online database, which includes permitted UST facilities. Due to the proximity to the corridor and unknown status of the UST, it is AECOM's opinion that this site presents a REC with respect to the subject property.

5.4 Agency File Review

In February 2013, as described below, personnel from the following agencies were contacted, or agency databases were reviewed, pertaining to possible past development and/or activity at the subject property:

- AECOM submitted a Public Information Act Request to the County of Marin, Waste Management Division, to determine if they have files related to a historical hazardous materials release that may have occurred at the subject property. No information or records concerning the subject property were located.
- AECOM reviewed the California State Water Resources Control Board online GeoTracker Database (<http://geotracker.waterboards.ca.gov/>) and did not identify any records for the subject property.
- AECOM reviewed the California Department of Toxic Substances Control online Envirostor database (<http://www.envirostor.dtsc.ca.gov/public/>) and did not locate any record for the subject property.

6.0 Findings and Opinions

AECOM performed the ISA for the subject property in general conformance with a Phase I ESA scope and limitations under ASTM Practice E 1527-05, which meets the requirements of Title 40, Code of Federal Regulations Part 312 and is intended to constitute *all appropriate inquiry* for purposes of the landowner liability protections. Any exceptions to, or deletions from, this practice are described in Section 1.3 through 1.5 of this report.

6.1 Recognized Environmental Conditions

The following RECs were identified during this assessment:

- Proshop Inc. at 658 Irwin Street, San Rafael is located approximately 130 feet southwest of the project corridor, on the other side of an open drainage channel. This Cleanup Program Site is listed as an open case under site assessment. Due to the open regulatory status, proximity to the site, groundwater direction towards the project corridor, and presence of sheen on groundwater as noted on available groundwater monitoring reports, it is AECOM's opinion that this presents a REC with respect to the subject property.
- Best Buy at 632 Irwin Street, San Rafael is located approximately 20 feet southwest of the project corridor, on the other side of an open drainage channel. In May 2009, the California Regional Water Quality Control Board, San Francisco Bay Region issued a *Notification of Intent to Issue a No Further Action Letter* stating that residual amounts of hydrocarbons and metals remained in the soil and groundwater beneath the property, but do not pose an adverse human health or environmental impact under current conditions and/or commercial/industrial property use. However, the State Water Resource Control Board Geotracker online database does not indicate that the No Further Action Letter was issued. Due to the open regulatory status and proximity of the site, it is AECOM's opinion that this presents a REC with respect to the subject property.
- 10 Woodland Avenue, San Rafael is adjoining to the project corridor near the intersection of Andersen Drive and Francisco Boulevard West. This site is listed on a historical underground storage tank (HIST UST) database for a regular fuel UST installed in 1975. During a site visit in February 2013, AECOM personnel noted the facility was occupied by an auto repair shop, Northern Stars Auto Repair. The site is not listed in the State Water Resource Control Board Geotracker online database, which includes permitted UST facilities. Due to the proximity to the corridor and unknown status of the UST, it is AECOM's opinion that this site presents a REC with respect to the subject property.

6.2 Historical Recognized Environmental Conditions

The following historical RECs (HREC) were identified during this assessment:

- 703 Third Street, San Rafael is listed on the LUST database under 'Greyhound Line, Inc.:' which would place this listing at the northern terminus of the project corridor. The LUST case is shown as 'closed' with final regulatory closure issued in 1990. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.

- 755 Second Street, San Rafael is listed as a former Shell fueling station on the LUST database. The former Shell station was located approximately 250 feet to the west of the project corridor. The LUST case is shown as 'closed' with final regulatory closure issued in July 2009. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 440 Francisco Boulevard West, San Rafael is located approximately 40 feet northeast of the project corridor. In November 2007, the property owner recorded a deed restriction for the benefit of the California Regional Water Quality Control Board. The deed restriction identified the property and underlying groundwater to contain volatile organic compounds, petroleum hydrocarbons, and heavy metals, constituting hazardous materials. Subsequently, the Regional Board issued a No Further Action letter in January 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- McPhail-Shamrock Concrete Plant at 548 Dubois Street, San Rafael is located approximately 30 feet southwest of the project corridor, on the other side of an open drainage channel. ASTs were removed from the site, and soil was excavated and removed in March 2003 and July 2004. The Regional Board issued a No Further Action letter in November 2009. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 540 Francisco Boulevard West, San Rafael is located approximately 50 feet northeast of the project corridor. This LUST case is shown as 'closed' with final regulatory closure issued in April 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.
- RAB Motors at 550 Francisco Boulevard West, San Rafael is located approximately 145 feet northeast of the project corridor. In October 2007, the property owner recorded a deed restriction for the benefit of the California Regional Water Quality Control Board. Subsequently, the Regional Board issued a No Further Action letter in January 2008. Due to the regulatory status, it is AECOM's opinion that this site does not present a REC to the subject property and would be considered as a HREC.

As noted above, two of the HRECs have deed restrictions: RAB Motors at 440 Francisco Boulevard West, San Rafael and RAB Motors at 550 Francisco Boulevard West, San Rafael. These deed restrictions pertain to the on-site soil and groundwater below the properties. If dewatering is deemed necessary in the area of these two properties during the construction of the SMART project, the deed restrictions will need to be reviewed with respect to the specific dewatering plans to determine if the groundwater covered by the deed restrictions will be disturbed and to identify any additional handling, disposal, and/or notification requirements, as necessary.

6.3 De Minimis Conditions

The following de minimis condition was identified during this assessment:

- There was one pole-mounted transformer observed along the project corridor in Larkspur, just south of the multi-use pathway; however, the pole appeared to be outside of the fencing along the corridor.

7.0 Conclusions

We have performed an Initial Site Assessment in conformance with the scope and limitations per ASTM Practice E 1527-05 for Phase I Environmental Site Assessments of the planned SMART San Rafael to Larkspur Extension in Marin County, California, the property. Any exception to, or deletions from, this practice are described in Sections 1.3 through 1.5 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except the following:

- Proshop Inc. at 658 Irwin Street, San Rafael is located approximately 130 feet southwest of the project corridor, on the other side of an open drainage channel. This Cleanup Program Site is listed as an open case under site assessment. Due to the open regulatory status, proximity to the site, groundwater direction towards the project corridor, and presence of sheen on groundwater as noted on available groundwater monitoring reports, it is AECOM's opinion that this presents a REC with respect to the subject property.
- Best Buy at 632 Irwin Street, San Rafael is located approximately 20 feet southwest of the project corridor, on the other side of an open drainage channel. In May 2009, the California Regional Water Quality Control Board, San Francisco Bay Region issued a *Notification of Intent to Issue a No Further Action Letter* stating that residual amounts of hydrocarbons and metals remained in the soil and groundwater beneath the property, but do not pose an adverse human health or environmental impact under current conditions and/or commercial/industrial property use. However, the State Water Resource Control Board Geotracker online database does not indicate that the No Further Action Letter was issued. Due to the open regulatory status and proximity of the site, it is AECOM's opinion that this presents a REC with respect to the subject property.
- 10 Woodland Avenue, San Rafael is adjoining to the project corridor near the intersection of Andersen Drive and Francisco Boulevard West. This site is listed on a historical underground storage tank (HIST UST) database for a gasoline UST installed in 1975. During a site visit in February 2013, AECOM personnel noted the facility was occupied by an auto repair shop, Northern Stars Auto Repair. The site is not listed in the State Water Resource Control Board Geotracker online database, which includes permitted UST facilities. Due to the proximity to the corridor and unknown status of the UST, it is AECOM's opinion that this site presents a REC with respect to the subject property.

Additionally, two of the HRECs have deed restrictions: RAB Motors at 440 Francisco Boulevard West, San Rafael and RAB Motors at 550 Francisco Boulevard West, San Rafael. These deed restrictions pertain to the on-site soil and groundwater below the properties. If dewatering is deemed necessary in the area of these two properties during the construction of the SMART project, the deed restrictions will need to be reviewed with respect to the specific dewatering plans to determine if the groundwater covered by the deed restrictions will be disturbed and to identify any additional handling, disposal, and/or notification requirements, as necessary.

8.0 Quality Control/Quality Assurance

8.1 Site Visit, Research, and Report Preparation

The site visit, research, and report preparation were conducted by Mr. Dan Ruslen, in AECOM's Oakland California office.

Signature: _____

8.2 Quality Control Review

A first level review of this report was conducted by Mr. Luis Fraticelli, in AECOM's Oakland California office.

Signature: _____

8.3 Environmental Professional Statement

Mr. Dan Ruslen was the Environmental Professional (EP) for this project. Mr. Ruslen's EP statement is below and his curriculum vitae is provided in Appendix B:

I declare that, to the best of our professional knowledge and belief, I meet the definition of an EP as defined in §312.10 of 40 Code of Federal Regulations (CFR) and that I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature: _____

Date: _____

9.0 References

9.1 Agencies Contacted

California State Water Resources Control Board GeoTracker Database
<http://geotracker.waterboards.ca.gov/>. This information was reviewed online by Mr. Dan Ruslen of AECOM in February 2013.

California Department of Toxic Substances Control Envirostor database
<http://www.envirostor.dtsc.ca.gov/public/>. This information was reviewed online by Mr. Dan Ruslen of AECOM in February 2013.

9.2 Documents Reviewed

Bacci Family Limited Partnership, 2007. *Covenant and Environmental Restriction on Property, 440 Francisco Boulevard West, San Rafael, California*, November 20.

Bacci Family Limited Partnership, 2007. *Covenant and Environmental Restriction on Property, 550 Francisco Boulevard West, San Rafael, California*, October 17.

Cal-EPA, Department of Toxic Substances Control (DTSC) Envirostor Website:
<http://www.envirostor.dtsc.ca.gov/public/> This information was reviewed online by Mr. Dan Ruslen with AECOM in February 2013.

California Regional Water Quality Control Board (RWQCB) GeoTracker Website:
<http://geotracker.waterboards.ca.gov/> This information was reviewed online by Mr. Dan Ruslen and with AECOM in February 2013.

Cardno ERI, 2012. *Source Removal Event and Groundwater Monitoring Report, First Quarter 2012, Proshop, Inc., 658 Irwin Street, San Rafael, California*, May 30.

Earth Tech, Inc., 2006. *Revised Final Environmental Report, Phase II Investigation Summary Report for Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Larkspur/San Rafael, California*, February.

Earth Tech, Inc., 2005. *Final Phase I Environmental Site Assessment for Cal Park Hill Tunnel Rehabilitation and Pathway Design Project, Larkspur/San Rafael, California*, August.

Environmental Data Resources (EDR), Inc., 2013. *EDR DataMap Corridor Study, San Rafael to Larkspur Extension, San Rafael, CA 94901*, Inquiry Number: 3502575.1s. January 25.

Environmental Data Resources (EDR), Inc., 2013. *EDR DataMap Well Search Report, San Rafael to Larkspur Extension, San Rafael, CA 94901*, Inquiry Number: 3502575.1w. January 25.

Environmental Data Resources (EDR), Inc., 2013. *EDR Historical Topographic Map Report, San Rafael to Larkspur Extension, San Rafael, CA 94901*, Inquiry Number: 3502575.2. January 24.

Environmental Data Resources (EDR), Inc., 2013. *EDR Aerial Photo Decade Package Report, San Rafael to Larkspur Extension, San Rafael, CA 94901*, Inquiry Number: 3502575.5. January 25.

Environmental Data Resources (EDR), Inc., 2013. *EDR Certified Sanborn Map Report, San Rafael to Larkspur Extension, San Rafael, CA 94901*, Inquiry Number: 3506198.1. January 30.

Google Earth website, www.google.earth.com. This information was reviewed online by Mr. Dan Ruslen with AECOM February 2013.

Green Environmental, Inc, 2007. *Soil and Groundwater Management Plan, 440 Francisco Boulevard West, San Rafael, California*, November 2.

Green Environmental, Inc, 2007. *Soil and Groundwater Management Plan, 550 Francisco Boulevard West, San Rafael, California*, August 30.

MACTEC Engineering & Consulting, Inc., 2005. *Draft Hazardous Materials Assessment Report*, March.

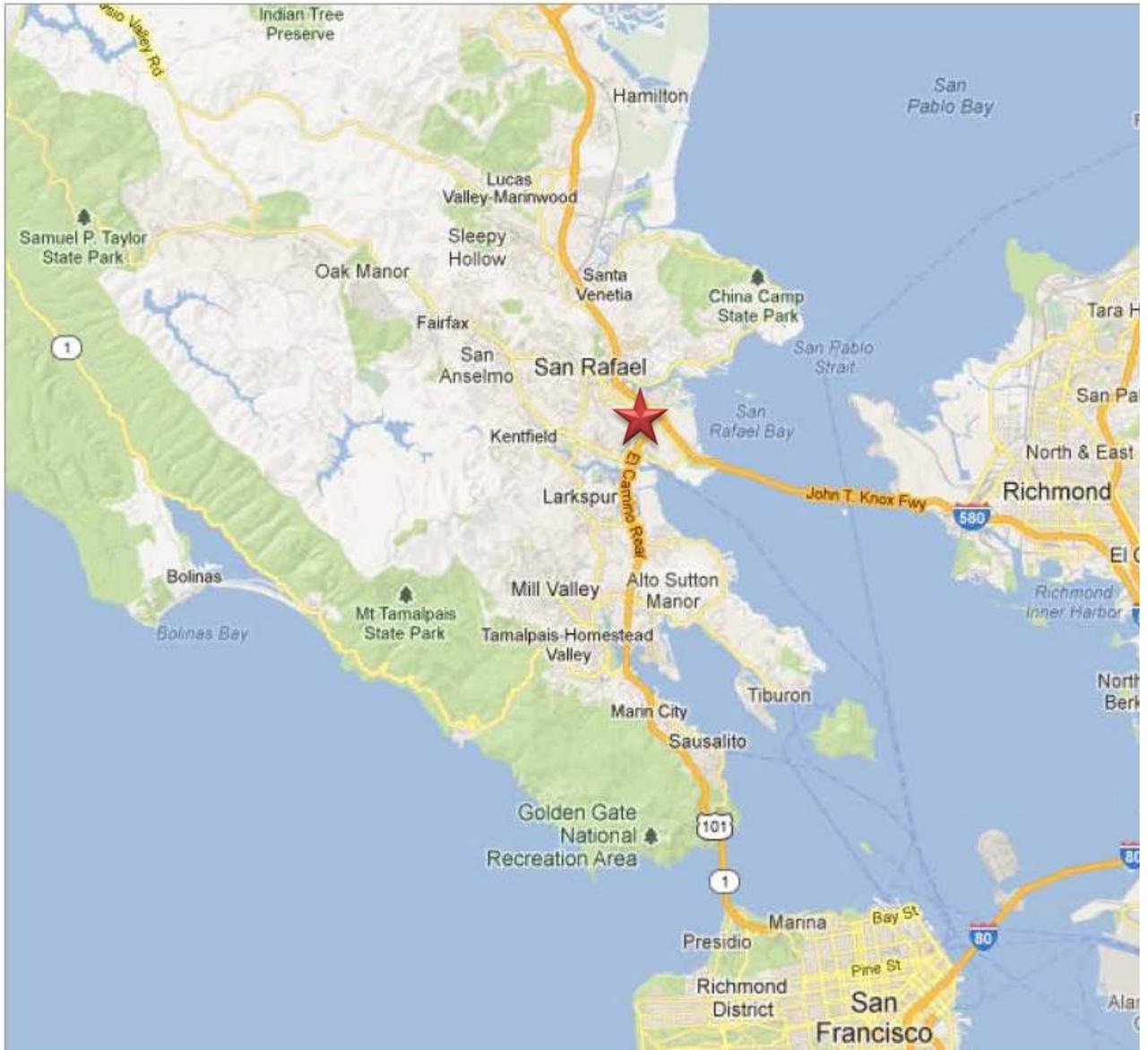
Parsons Brinckerhoff Quade & Douglas, Inc., 2006. *Final Environmental Impact Report, Sonoma – Marin Area Rail Transit*. June.

Parsons Brinckerhoff Quade & Douglas, Inc., 2005. *Draft Environmental Impact Report, Sonoma – Marin Area Rail Transit*. November.

Regional Water Quality Control Board, San Francisco Bay Region (Regional Board), 2009. *Notification of Intent to Issue a No Further Action Letter*. May 22.

United States Geological Service (USGS), 2000. *Geologic Map and Map Database of Parts of Marin, San Francisco, Alameda, Contra Costa, and Sonoma Counties, California*.

Figures



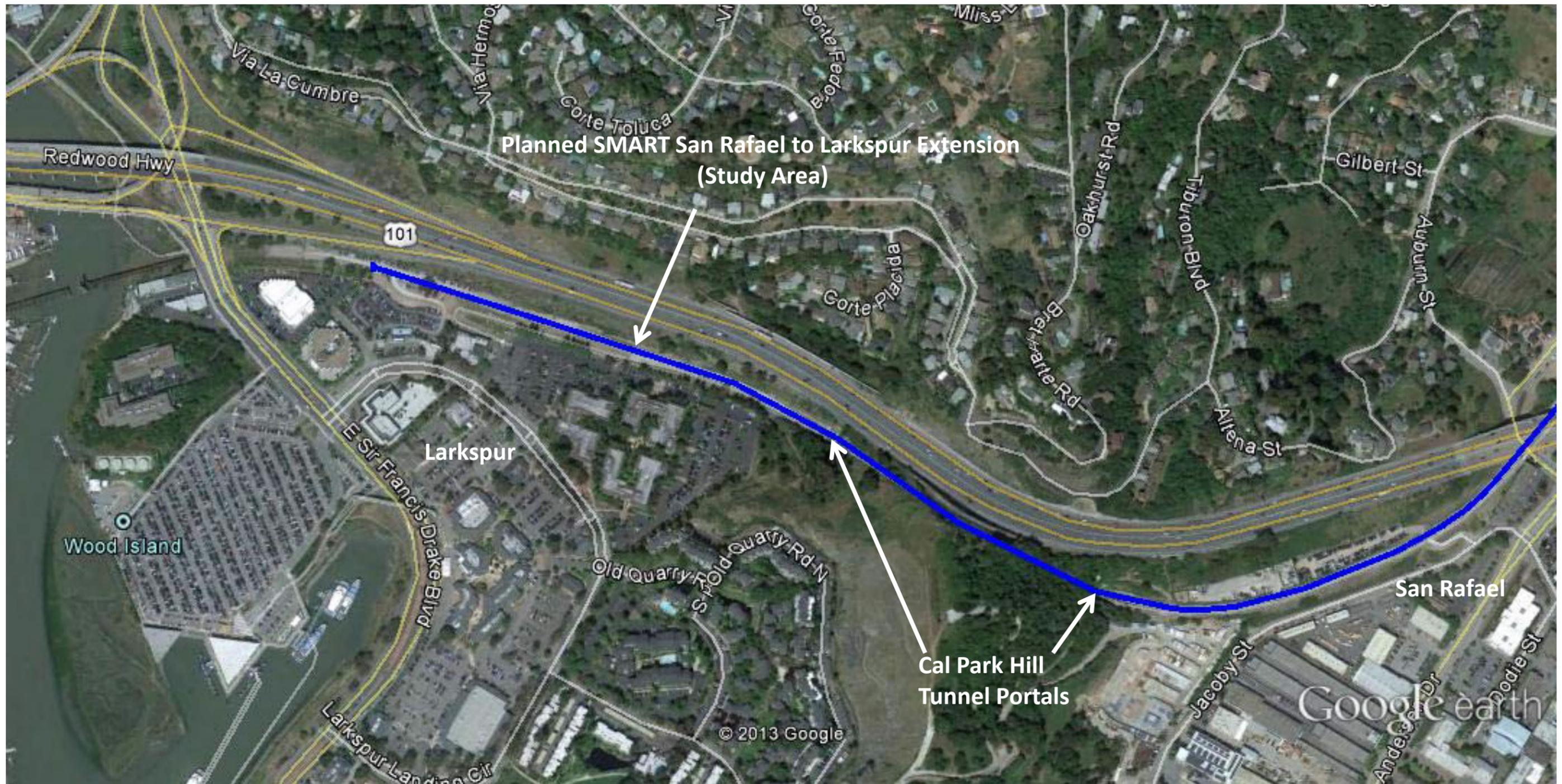
Legend:

- ★ Location of Planned SMART San Rafael to Larkspur Extension (Study Area)

Source:

Google Maps 2013.

	INITIAL SITE ASSESSMENT SMART SAN RAFAEL TO LARKSPUR EXTENSION		LOCATION MAP		Figure: <h1 style="text-align: center;">1</h1>
	Project Number: 60191144	Drawn by: DR	Checked by: LF	Approved by: LF	Date: 3/1/2013



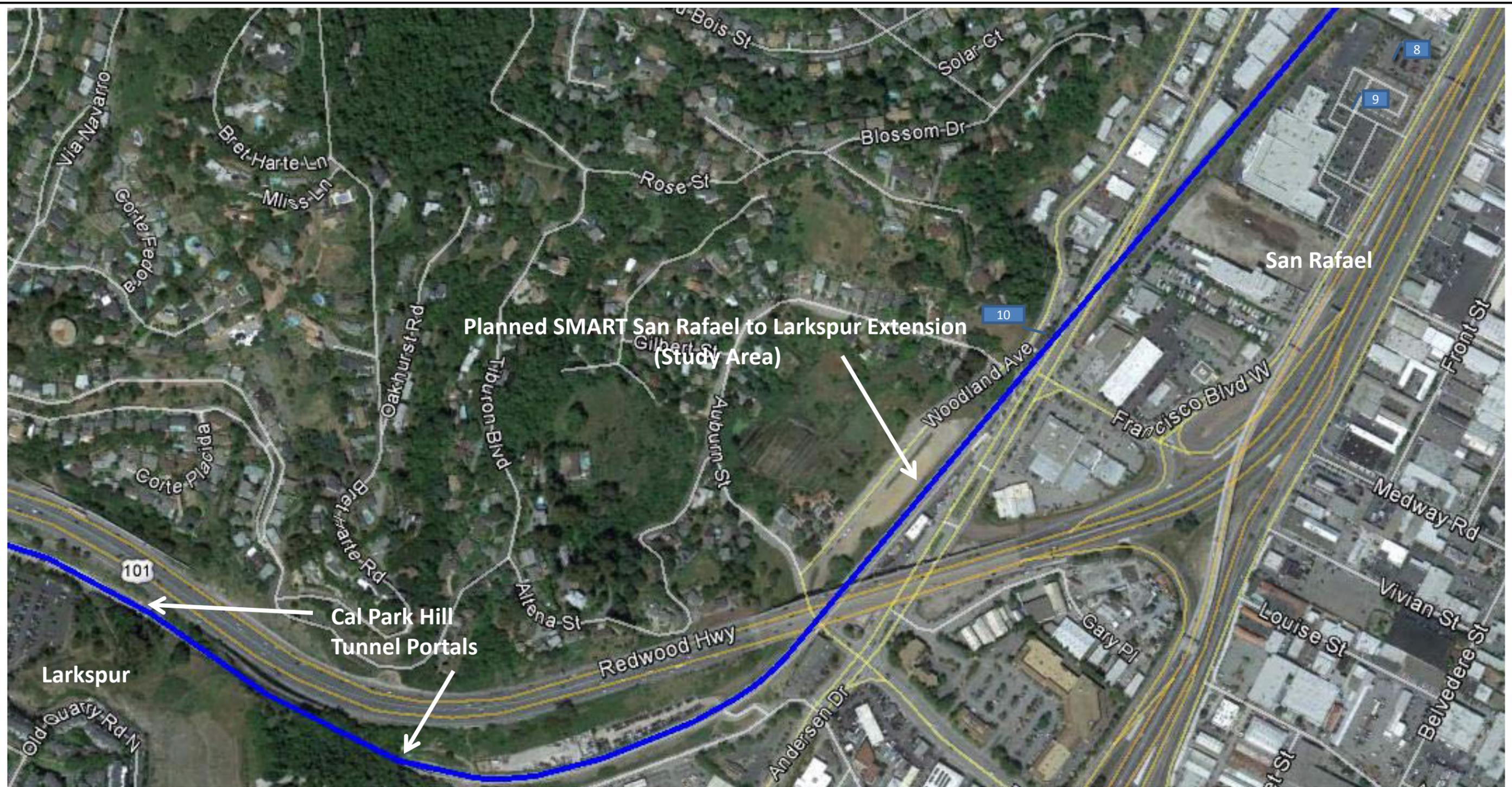
Legend:

— Study Area

Source:
Google Earth 2013.



	INITIAL SITE ASSESSMENT SMART SAN RAFAEL TO LARKSPUR EXTENSION		STUDY AREA – SOUTHERN END	Figure: 2a
	Project Number: 60191144	Drawn by: DR	Checked by: LF	Approved by: LF



Legend:

Study Area

1 Sites Discussed in Detail in this Study:

- 8. 440 Francisco Boulevard West, RAB Motors (HREC with Deed Restriction)
- 9. Baxters Court (non-REC – metals in soils)
- 10. 10 Woodland Avenue, Northern Stars Auto Repair (REC)

Source:
Google Earth 2013.

REC = Recognized Environmental Condition
HREC = Historical Recognized Environmental Condition



INITIAL SITE ASSESSMENT
SMART SAN RAFAEL TO LARKSPUR EXTENSION

STUDY AREA – CENTRAL AREA

Figure:
2b

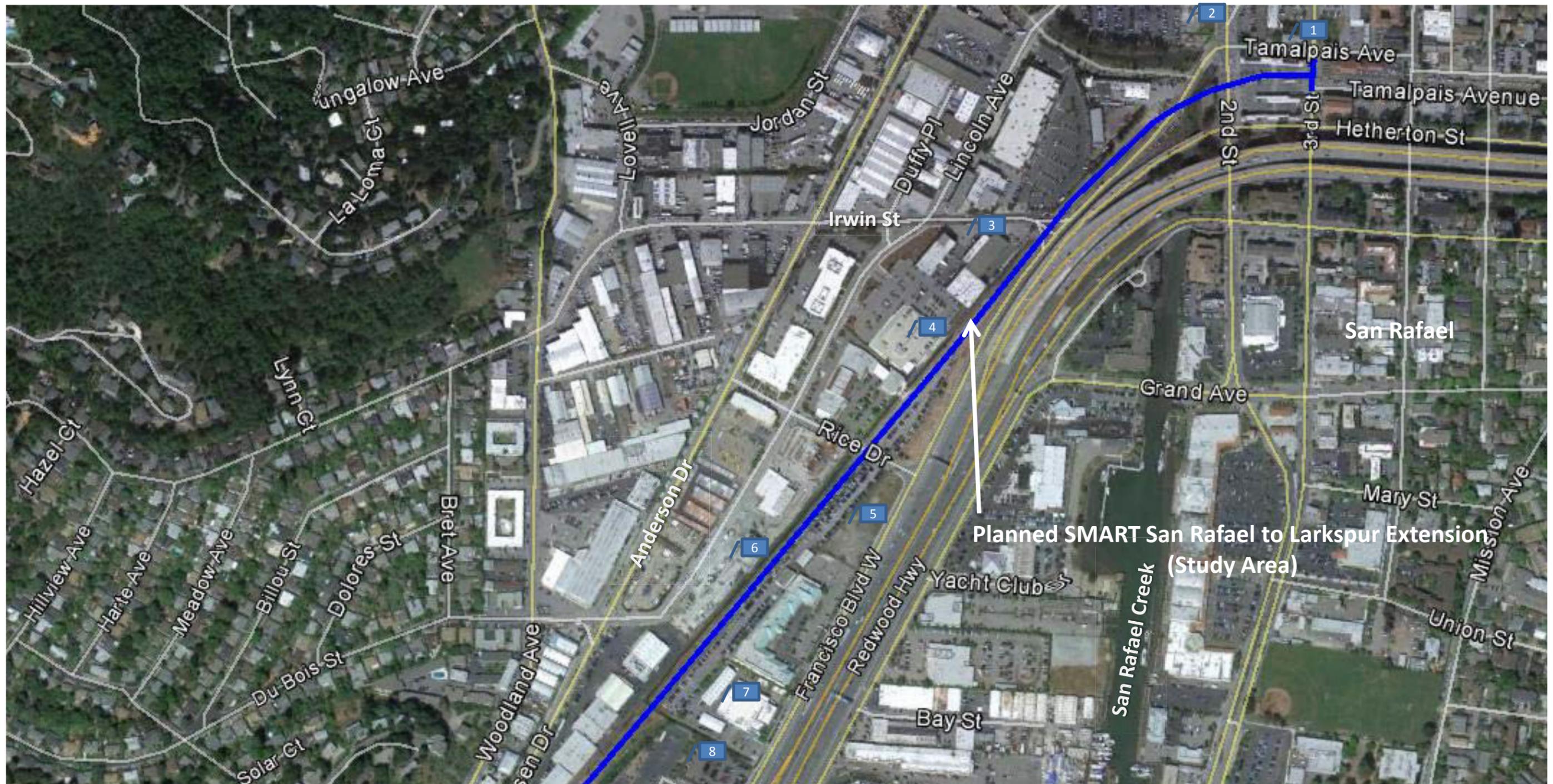
Project Number:
60191144

Drawn by:
DR

Checked by:
LF

Approved by:
LF

Date:
3/1/2013



Legend:

Study Area

1 Sites Discussed in Detail in this Study:

- | | |
|--|--|
| 1. 703 3 rd Street, Former Greyhound (HREC) | 7. 540 Francisco Boulevard West, RAB Motors (HREC) |
| 2. 755 2 nd Street, Former Shell (HREC) | 8. 550 Francisco Boulevard West, RAB Motors (HREC with Deed Restriction) |
| 3. 658 Irwin Street, Proshop Inc. (REC) | |
| 4. 632 Irwin Street, Best Buy (REC) | REC = Recognized Environmental Condition |
| 5. 440 Francisco Boulevard West, RAB Motors (HREC with Deed Restriction) | HREC = Historical Recognized Environmental Condition |
| 6. 548 Dubois Street, Shamrock Concrete Plant (HREC) | |

Source:
Google Earth 2013.



INITIAL SITE ASSESSMENT
SMART SAN RAFAEL TO LARKSPUR EXTENSION

STUDY AREA – NORTHERN END

Figure:
2c

Project Number:
60191144

Drawn by:
DR

Checked by:
LF

Approved by:
LF

Date:
3/1/2013

Appendix A

Environmental Database Report

San Rafael to Larkspur Extension
San Rafael, CA 94901

Inquiry Number: 3502575.1s
January 25, 2013

EDR DataMap™ Corridor Study

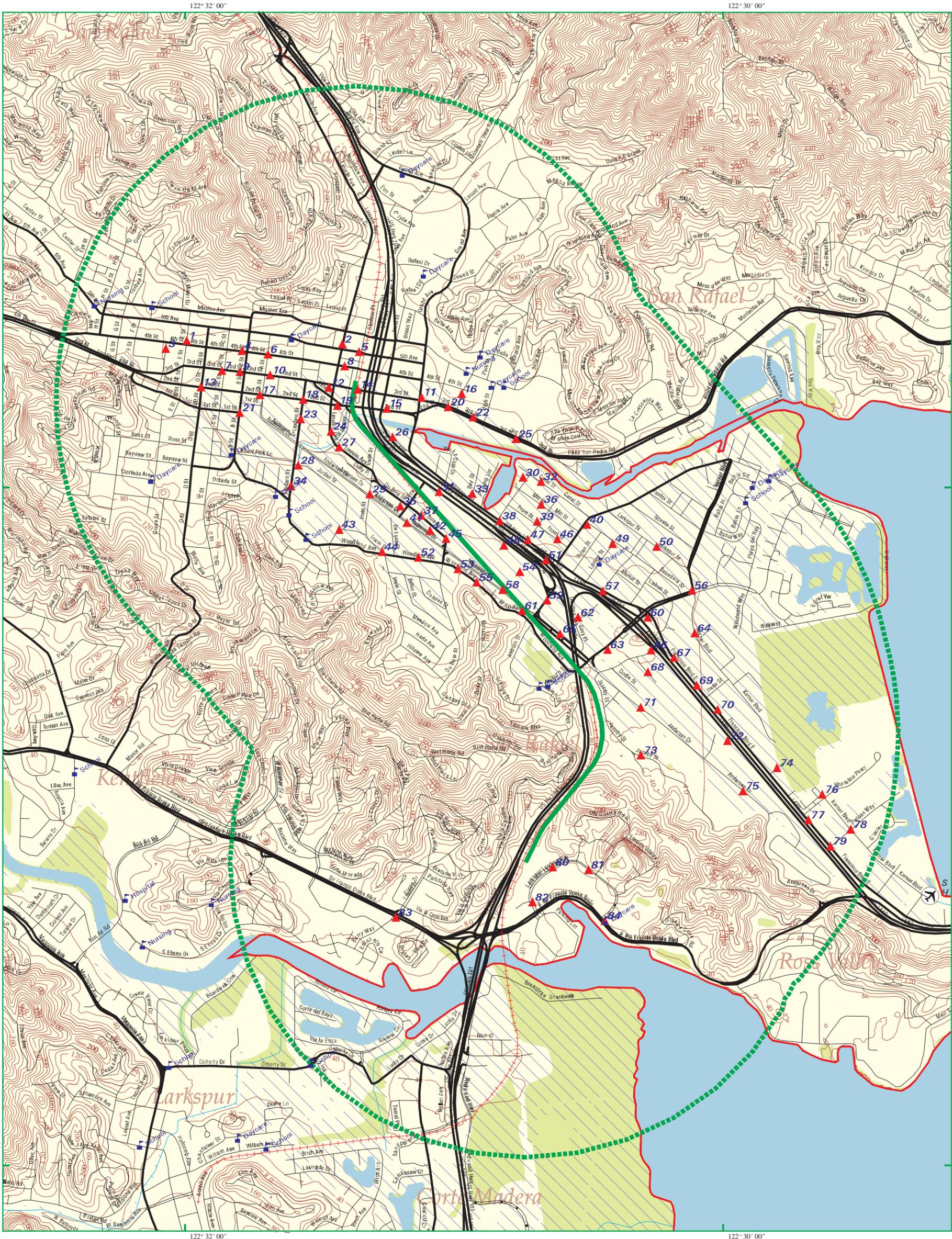
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR DataMap® - Corridor Study

San Rafael to Larkspur Extension



San Rafael, CA

- | | | | |
|--|---------------|-------------|-------------------------|
| Listed Sites | Major Roads | Pipelines | Superfund Sites |
| Earthquake Epicenters (Richter 5 or greater) | Waterways | Powerlines | Federal DOD Sites |
| Search Boundary | Railroads | Fault Lines | Indian Reservations BIA |
| Roads | Contour Lines | Water | 100-Yr Flood Zones |

National Wetland Inventory

N

0 1/4 1/2

Scale in Miles

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

SAN RAFAEL, CA 94901
SAN RAFAEL, CA 94901

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
LIENS 2	CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database

EXECUTIVE SUMMARY

RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
PRP.....	Potentially Responsible Parties
2020 COR ACTION.....	2020 Corrective Action Program List
FEDERAL FACILITY.....	Federal Facility Site Information listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
FEMA UST.....	Underground Storage Tank Listing
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
US HIST CDL.....	National Clandestine Laboratory Register
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Steam-Electric Plant Operation Data

STATE AND LOCAL RECORDS

SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
UIC.....	UIC Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
LIENS.....	Environmental Liens Listing
CUPA Listings.....	CUPA Resources List
MCS.....	Military Cleanup Sites Listing
WIP.....	Well Investigation Program Case List
CDL.....	Clandestine Drug Labs
HAULERS.....	Registered Waste Tire Haulers Listing
Financial Assurance.....	Financial Assurance Information Listing
HWT.....	Registered Hazardous Waste Transporter Database
MWMP.....	Medical Waste Management Program Listing
PROC.....	Certified Processors Database

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List

EXECUTIVE SUMMARY

(NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 11/02/2012 has revealed that there are 2 CERC-NFRAP sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PG&E GAS PLANT SAN RAFAEL 104	4TH & A STS	6	25
PG&E SERV CTR SAN RAFAEL	2ND ST & LINDARO	18	166

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/11/2012 has revealed that there are 2 RCRA-LQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SHELL OIL CO 204-6918-0408	834 IRWIN	15	135
BAXTER COURT	720 FRANCISCO BLVD WEST	51	470

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2012 has revealed that there are 72 RCRA-SQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>PACIFIC BELL</i>	<i>220 SHAVER STREET</i>	<i>3</i>	<i>10</i>
<i>TOM SCAHILL INC SYS AUTO REPAI</i>	<i>1012 LINCOLN AVE</i>	<i>8</i>	<i>72</i>
<i>SUPERFINE CLEANERS</i>	<i>510 3RD ST</i>	<i>11</i>	<i>82</i>
<i>DOHS-MARIN CO</i>	<i>920 GRAND AVE</i>	<i>11</i>	<i>85</i>
<i>MAGNIFICENT CLEANERS</i>	<i>977 GRAND AVE</i>	<i>11</i>	<i>87</i>
<i>GOOD YEAR SAN RAFAEL</i>	<i>898A LINCOLN AVE</i>	<i>12</i>	<i>114</i>
MARIN FILMWORKS	703 3RD ST	14	117
<i>HERITAGE CLEANERS</i>	<i>915 IRWIN STREET</i>	<i>15</i>	<i>138</i>
<i>PG&E SAN RAFAEL SERVICE CENTER</i>	<i>750 LINDARO ST</i>	<i>23</i>	<i>202</i>
<i>CLASSIC AUTO CRAFT</i>	<i>235 LINCOLN AVE</i>	<i>24</i>	<i>204</i>
<i>SAN RAFAEL CITY OF</i>	<i>790 LINCOLN AVE</i>	<i>27</i>	<i>244</i>
<i>ELLIOTTS AUTO RPR</i>	<i>516 IRWIN ST</i>	<i>29</i>	<i>272</i>
<i>AUTOBODY REBUILDERS</i>	<i>533 IRWIN</i>	<i>29</i>	<i>274</i>
<i>R W ALBERS CO</i>	<i>580 IRWIN ST STE 6</i>	<i>29</i>	<i>275</i>
<i>URBAN TERMITE CONTROL</i>	<i>580 IRWIN STREET</i>	<i>29</i>	<i>276</i>
<i>CARLOS TRANSMISSION SERVICE</i>	<i>585 IRWIN ST</i>	<i>29</i>	<i>278</i>

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<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
ISI INC	623 IRWIN ST	29	279
LABCON NORTH AMERICA	632 IRWIN ST	29	282
LAND ROVER MARIN	647 IRWIN	29	288
PORSHOP THE	658 IRWIN ST	29	291
MARIN TIRE & BRAKE INC	688 IRWIN ST	29	293
DEMINGS MARIN TIRE AND BRAKE	668 IRWIN STREET	29	296
KITCHENWORKS, INC.	615 IRWIN STREET	29	302
JOHN IRISH JEEP EAGLE	475 FRANCISCO BLVD	31	317
TOYOTA MARIN	445 E FRANCISCO BVLD	31	325
SATURN OF MARIN	535 FRANCISCO BLVD E	33	332
BOORMAN AUTO	9 BAY ST	33	334
BLAKES AUTO BODY INC	31 BAY ST	33	336
MARINE ENGINE & ELECTRIC	51 BAY ST	33	339
MCGUINNESS MECHANICS	771 ANDERSEN DR	35	343
INFINITI OF MARIN	620 DUBOIS ST	35	344
FLADEBOE CHEV GEO OLDS	550 FRANCISCO BLVD WEST	38	354
MICHAEL STEADS MARIN FORD	619 FRANCISCO BLVD EAST	38	357
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
MAZDA OF MARIN	595 E FRANCISCO BLVD	38	377
J P PLATING, INC	42 HOAG ST	39	381
MILL VALLEY REFUSED	112 FRONT ST	39	389
SONNEN MOTORS	137 FRONT ST	39	393
MARIN RADIATOR	800 ANDERSON DR	41	402
G AND C AUTOBODY INC	810 ANDERSEN DR	42	405
A R AUTO TRUCK SVC INC	401 IRWIN ST	44	414
MARIN VW REPAIR	400 IRWIN	44	416
LORENZOS AUTO CRAFT	410 IRWIN ST	44	418
DAVIS AUTO AND TRUCK REPAIR	34 DELUCA PL UNIT C	44	426
FERRARI AND MASERATI OF SAN FR	454 DU BOIS ST	45	430
VLADOS COLLISION WORKS	36 FRONT ST	46	434
SUPERB AUTO BODY	2 HOAG AVE	47	440
WESTERN PLATING & POLISHING CO	11 BAXTERS CT	48	445
GOLDEN STATE LUMBER	600 FRANCISCO BLVD	48	449
PACIFIC BELL	96 LOUISE ST	49	453
TEXACO EXPRESS LUBE	831 E FRANCISCO BLVD	51	463
MARIN ACURA	807 E FRANCISCO BLVD	51	471
DON COLLINS BUICK	502 FRANCISCO BLVD	51	474
QUALITY CUSTOM CHROME	714 W FRANCISCO BLVD	51	475
SPEC ELECTROPLATING	712 FRANCISCO BLVD.	51	482
JACKSON HARDWARE	68 WOODLAND AVE	52	495
J R AUTO BODY	70-U WOODLAND AVE	52	496
BECKSTROM AUTOMOTIVE INC	70 B WOODLAND AVE	52	504
A AND C AUTO AIR AND RADIATOR	40 WOODLAND AVE	55	515
LOCKE AUTOMOTIVE	911 FRANCISCO BOULEVARD	57	526
TRIPLE S TIRE	810 SAN FRANCISCO BLVD	59	534
S & S AUTO BODY	180 GARY PLACE	62	558
SONNEN AUTOBODY	10 BELLAM BLVD	63	580
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591
EUROPEAN CAR SERVICE	38 GARY PL	63	623
MARIN SQUARE CLEANERS	55 BELLAM BLVD UNIT C	63	626
JERRY THOMPSON AND SONS PAINTI	999 ANDERSEN DR STE 100	65	639
MARIN DODGE	1075 FRANCISCO BLVD E	67	643
GHILOTTI BROTHERS CONSTRUCTION	525 JACOBY STREET	73	666
RELIABLE PRINTING	517 JACOBY ST	73	675
SANITARY DISTRICT NO 1 OF MARI	2000 LARKSPUR LANDING C	81	702
LIFESOURCE INC	900 LARKSPUR LANDING CI	82	708

EXECUTIVE SUMMARY

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/11/2012 has revealed that there are 13 RCRA NonGen / NLR sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>D&S GARAGE INC</i>	<i>718 4TH ST</i>	<i>8</i>	<i>45</i>
<i>MARIN CLEANERS</i>	<i>520 4TH ST</i>	<i>11</i>	<i>102</i>
<i>SAN RAFAEL UNIFIED SCHOOL DIST</i>	<i>38 UNION ST</i>	<i>16</i>	<i>145</i>
<i>ARCO SERV STA NO 02135</i>	<i>440 THIRD</i>	<i>20</i>	<i>183</i>
<i>PACIFIC BELL C O ALLEN W3665</i>	<i>107 JORDAN ST</i>	<i>28</i>	<i>254</i>
<i>LEON C FELTON CO</i>	<i>60 HOAG ST</i>	<i>39</i>	<i>384</i>
<i>VLADOS COLLISION WORKS</i>	<i>54 HOAG AVE</i>	<i>39</i>	<i>391</i>
<i>REDHILL AUTO BODY</i>	<i>428 IRWIN ST</i>	<i>44</i>	<i>422</i>
<i>GRIESE RADIATOR REPAIR SERVICE</i>	<i>710 WEST FRANCISCO AVE</i>	<i>51</i>	<i>489</i>
<i>SONNEN MOTORS</i>	<i>740 W FRANCISCO BLVD</i>	<i>54</i>	<i>508</i>
<i>SONNEN LEXUS</i>	<i>601 FRANCISCO BLVD</i>	<i>54</i>	<i>511</i>
<i>MARIN SAN SERV INC</i>	<i>1050 ANDERSON ST</i>	<i>63</i>	<i>573</i>
<i>MAXWELL THE CLEANERS</i>	<i>1401 LARKSPUR LANDING C</i>	<i>80</i>	<i>694</i>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/23/2011 has revealed that there are 82 FINDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>PACIFIC BELL</i>	<i>220 SHAVER STREET</i>	<i>3</i>	<i>10</i>
<i>D&S GARAGE INC</i>	<i>718 4TH ST</i>	<i>8</i>	<i>45</i>
<i>TOM SCAHILL INC SYS AUTO REPAI</i>	<i>1012 LINCOLN AVE</i>	<i>8</i>	<i>72</i>
<i>SUPERFINE CLEANERS</i>	<i>510 3RD ST</i>	<i>11</i>	<i>82</i>
<i>DOHS-MARIN CO</i>	<i>920 GRAND AVE</i>	<i>11</i>	<i>85</i>
<i>MAGNIFICENT CLEANERS</i>	<i>977 GRAND AVE</i>	<i>11</i>	<i>87</i>
<i>MARIN CLEANERS</i>	<i>520 4TH ST</i>	<i>11</i>	<i>102</i>
<i>GOOD YEAR SAN RAFAEL</i>	<i>898A LINCOLN AVE</i>	<i>12</i>	<i>114</i>
<i>HERITAGE CLEANERS</i>	<i>915 IRWIN STREET</i>	<i>15</i>	<i>138</i>
<i>SAN RAFAEL UNIFIED SCHOOL DIST</i>	<i>38 UNION ST</i>	<i>16</i>	<i>145</i>
<i>ARCO SERV STA NO 02135</i>	<i>440 THIRD</i>	<i>20</i>	<i>183</i>
<i>PG&E SAN RAFAEL SERVICE CENTER</i>	<i>750 LINDARO ST</i>	<i>23</i>	<i>202</i>
<i>CLASSIC AUTO CRAFT</i>	<i>235 LINCOLN AVE</i>	<i>24</i>	<i>204</i>
<i>SAN RAFAEL CITY OF</i>	<i>790 LINCOLN AVE</i>	<i>27</i>	<i>244</i>
<i>PACIFIC BELL C O ALLEN W3665</i>	<i>107 JORDAN ST</i>	<i>28</i>	<i>254</i>
<i>ELLIOTTS AUTO RPR</i>	<i>516 IRWIN ST</i>	<i>29</i>	<i>272</i>
<i>AUTOBODY REBUILDERS</i>	<i>533 IRWIN</i>	<i>29</i>	<i>274</i>
<i>R W ALBERS CO</i>	<i>580 IRWIN ST STE 6</i>	<i>29</i>	<i>275</i>

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<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
URBAN TERMITE CONTROL	580 IRWIN STREET	29	276
CARLOS TRANSMISSION SERVICE	585 IRWIN ST	29	278
ISI INC	623 IRWIN ST	29	279
LABCON NORTH AMERICA	632 IRWIN ST	29	282
LAND ROVER MARIN	647 IRWIN	29	288
PORSHOP THE	658 IRWIN ST	29	291
MARIN TIRE & BRAKE INC	688 IRWIN ST	29	293
DEMINGS MARIN TIRE AND BRAKE	668 IRWIN STREET	29	296
JOHN IRISH JEEP EAGLE	475 FRANCISCO BLVD	31	317
TOYOTA MARIN	445 E FRANCISCO BVLD	31	325
SATURN OF MARIN	535 FRANCISCO BLVD E	33	332
BOORMAN AUTO	9 BAY ST	33	334
BLAKES AUTO BODY INC	31 BAY ST	33	336
MARINE ENGINE & ELECTRIC	51 BAY ST	33	339
MCGUINNESS MECHANICS	771 ANDERSEN DR	35	343
INFINITI OF MARIN	620 DUBOIS ST	35	344
FLADEBOE CHEV GEO OLDS	550 FRANCISCO BLVD WEST	38	354
MICHAEL STEADS MARIN FORD	619 FRANCISCO BLVD EAST	38	357
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
MAZDA OF MARIN	595 E FRANCISCO BLVD	38	377
J P PLATING, INC	42 HOAG ST	39	381
LEON C FELTON CO	60 HOAG ST	39	384
MILL VALLEY REFUSED	112 FRONT ST	39	389
VLADOS COLLISION WORKS	54 HOAG AVE	39	391
SONNEN MOTORS	137 FRONT ST	39	393
MARIN RADIATOR	800 ANDERSON DR	41	402
A R AUTO TRUCK SVC INC	401 IRWIN ST	44	414
MARIN VW REPAIR	400 IRWIN	44	416
LORENZOS AUTO CRAFT	410 IRWIN ST	44	418
REDHILL AUTO BODY	428 IRWIN ST	44	422
DAVIS AUTO AND TRUCK REPAIR	34 DELUCA PL UNIT C	44	426
FERRARI AND MASERATI OF SAN FR	454 DU BOIS ST	45	430
VLADOS COLLISION WORKS	36 FRONT ST	46	434
SUPERB AUTO BODY	2 HOAG AVE	47	440
WESTERN PLATING & POLISHING CO	11 BAXTERS CT	48	445
GOLDEN STATE LUMBER	600 FRANCISCO BLVD	48	449
PACIFIC BELL	96 LOUISE ST	49	453
TEXACO EXPRESS LUBE	831 E FRANCISCO BLVD	51	463
MARIN ACURA	807 E FRANCISCO BLVD	51	471
DON COLLINS BUICK	502 FRANCISCO BLVD	51	474
QUALITY CUSTOM CHROME	714 W FRANCISCO BLVD	51	475
WESTERN PLATING & POLISHING	714A FRANCISCO BLVD W	51	478
SPEC ELECTROPLATING	712 FRANCISCO BLVD.	51	482
GRIESE RADIATOR REPAIR SERVICE	710 WEST FRANCISCO AVE	51	489
JACKSON HARDWARE	68 WOODLAND AVE	52	495
J R AUTO BODY	70-U WOODLAND AVE	52	496
BECKSTROM AUTOMOTIVE INC	70 B WOODLAND AVE	52	504
SONNEN MOTORS	740 W FRANCISCO BLVD	54	508
SONNEN LEXUS	601 FRANCISCO BLVD	54	511
A AND C AUTO AIR AND RADIATOR	40 WOODLAND AVE	55	515
LOCKE AUTOMOTIVE	911 FRANCISCO BOULEVARD	57	526
TRIPLE S TIRE	810 SAN FRANCISCO BLVD	59	534
S & S AUTO BODY	180 GARY PLACE	62	558
MARIN SAN SERV INC	1050 ANDERSON ST	63	573
SONNEN AUTOBODY	10 BELLAM BLVD	63	580
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591

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<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>EUROPEAN CAR SERVICE</i>	<i>38 GARY PL</i>	<i>63</i>	<i>623</i>
<i>MARIN SQUARE CLEANERS</i>	<i>55 BELLAM BLVD UNIT C</i>	<i>63</i>	<i>626</i>
<i>JERRY THOMPSON AND SONS PAINTI</i>	<i>999 ANDERSEN DR STE 100</i>	<i>65</i>	<i>639</i>
<i>MARIN DODGE</i>	<i>1075 FRANCISCO BLVD E</i>	<i>67</i>	<i>643</i>
<i>RELIABLE PRINTING</i>	<i>517 JACOBY ST</i>	<i>73</i>	<i>675</i>
<i>MAXWELL THE CLEANERS</i>	<i>1401 LARKSPUR LANDING C</i>	<i>80</i>	<i>694</i>
<i>SANITARY DISTRICT NO 1 OF MARI</i>	<i>2000 LARKSPUR LANDING C</i>	<i>81</i>	<i>702</i>
<i>LIFESOURCE INC</i>	<i>900 LARKSPUR LANDING CI</i>	<i>82</i>	<i>708</i>

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, and dated 01/18/2012 has revealed that there is 1 US AIRS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>GOLDEN GATE TRANSIT</i>	<i>1011 ANDERSON ST</i>	<i>63</i>	<i>591</i>

STATE AND LOCAL RECORDS

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER MAXIM GAS PLANT OFFICE</i>	<i>4TH STREET BETWEEN A &</i>	<i>4</i>	<i>19</i>
<i>MARIN-SONOMA MOSQUITO ABATEMEN</i>	<i>201 3RD STREET</i>	<i>25</i>	<i>212</i>

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>PACIFIC GAS AND ELECTRIC - SAN</i>	<i>750 LINDARO AVENUE</i>	<i>23</i>	<i>201</i>

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SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 11/19/2012 has revealed that there are 3 SWF/LF sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
HORST HANF LANDFILL/BAYVIEW PA	FRANCISCO BLVD	31	309
MARIN SANITARY SERVICE TRANSFE	1060 ANDERSEN DRIVE	63	565
SAN QUENTIN SOLID WASTE DISPOS	1615 FRANCISCO BLVD	77	681

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
HORST HANF LANDFILL	FRANCISCO BLVD	31	312

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 7 WDS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
QUALITY CUSTOM CHROME	714 W FRANCISCO BLVD	51	475
WESTERN PLATING & POLISHING	714A FRANCISCO BLVD W	51	478
SPEC ELECTROPLATING	712 FRANCISCO BLVD.	51	482
MARIN SAN SERV INC	1050 ANDERSON ST	63	573
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591
VEHICLE MAINTENANCE FACILITY/U	40 BELLAM BLVD	63	617
LARKSPUR FERRY TERMINAL	101 E SIR FRANCIS DRAKE	84	730

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 11/19/2012 has revealed that there are 7 NPDES sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SAN RAFAEL SERVICE CENTER	750 LINDARO STREET	23	200
PACIFIC PLUMBING & HEATING	8 LOVELL AVE	29	266
MARIN SANITARY SERVICE	1050 ANDERSEN DR	63	569
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591
VEHICLE MAINTENANCE FACILITY/U	40 BELLAM BLVD	63	617
SANITARY DISTRICT #1 OF MARIN	2000 LARKSPUR LANDING C	81	704
LARKSPUR FERRY TERMINAL	101 E SIR FRANCIS DRAKE	84	730

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 81 HIST CORTESE sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
TOSCO - FACILITY #7384	1125 LINCOLN AVE	2	7
PACIFIC BELL	220 SHAVER STREET	3	10
FOODMART	709 5TH AVE	5	23
REDWOOD OIL COMPANY	1320 2ND ST	7	26
BRIDGE HOUSING CORP	UNKNOWN 3RD ST & C ST	7	35
DUFFY BROTHERS GARAGE	855 C ST	7	36
MCPHAIL'S INC	917 C	7	38
ALLIANCE	UNKNOWN 4TH & LINCOLN	8	39
FORMER CHEVRON STATION	729 4TH ST	8	41
D&S GARAGE INC	718 4TH ST	8	45
REDWOOD OIL COMPANY	1011 LINCOLN AVE	8	55
EXXON MURRAY TRUST	1221 3RD	9	74
MISSION SQUARE OFFICE BUILDING	1007 3RD ST	10	75
MOBIL	1101 3RD ST	10	77
COMMERCIAL BUILDING	1115 3RD ST	10	79
FORMER COUNTY GARAGE	519 4TH ST	11	95
TOSCO - FACILITY #2441	34 RITTER ST	12	108
JOHN IRISH JEEP DEALERSHIP	898 LINCOLN AVE	12	112
GREYHOUND LINE INC	701 3RD ST	14	115
MOBIL	575 2ND	15	119
SAVOY RAIN TUNNEL	620 2ND ST	15	120
SHELL	834 IRWIN	15	124
EXXON	902 IRWIN ST	15	136
SHELL SS #80309	755 2ND	19	169
MARIN COLOR SERVICE	770 2ND ST	19	182
ARGO SERV STA NO 02135	440 THIRD	20	183
CHEVRON #-6621	475 3RD ST	20	187
SAFEWAY	700 B ST	21	193
JAKE MATTHEWS	360 3RD ST	22	195
HARRIS PROPERTY	171 3RD ST	25	210
MARIN-SONOMA MOSQUITO ABATEMEN	201 3RD STREET	25	212
SAN RAFAEL CORPORATION YARD	790 LINCOLN	27	231
PACIFIC SUPPLY	61 JORDAN ST	28	248
MCKESSON WATER PRODUCTS COMPAN	648 LINDARO ST	28	259
PACIFIC PLUMBING & HEATING	8 LOVELL AVE	29	266
FORMER MOBIL STATION	700 IRWIN ST	29	297
MARIN MANUFACTURING INC	191 MILL ST	30	305
CARRICO PROPERTY	619 CANAL ST	30	307
BRUNSING ASSOCIATES	513519 FRANCISCO	31	316
ANNEX MOTORS INC., NISSAN-VOLV	475 FRANCISCO BLVD E	31	320
R & G TOYOTA-VOLVO	445 FRANCISCO BLVD	31	323
UNKNOWN	114 MILL ST	36	348
MARIN MAZDA SUBARU	595 FRANCISCO BLVD E	38	378
RHODES' WHEEL & BRAKE	49 MEDWAY RD	40	395
7 ELEVEN	80 MEDWAY RD	40	396
FERRER PLUMBING INC	58 LOVELL AVE	43	411
FORMER OAKS RENTS	424 IRWIN ST	44	419
WEBER PLASTERING INC	47 DE LUCA	44	428
WESTERN CHROME PLATING AN	11 BAXTERS	48	443
SPECIFICATION CHROMIUM CO	14 BAXTERS	48	448

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<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>GOLDEN STATE LUMBER</i>	<i>600 FRANCISCO BLVD</i>	<i>48</i>	<i>449</i>
<i>NORTH BAY PRODUCE</i>	<i>95 LOUISE ST</i>	<i>49</i>	<i>452</i>
<i>PACIFIC BELL</i>	<i>96 LOUISE ST</i>	<i>49</i>	<i>453</i>
<i>WATKIN & BORTOLUSSI INC</i>	<i>77 LARKSPUR ST</i>	<i>50</i>	<i>461</i>
<i>PETER'S ALLIANCE</i>	<i>831 FRANCISCO BLVD E</i>	<i>51</i>	<i>465</i>
<i>MARIN MAZDA</i>	<i>807 FRANCISCO BLVD</i>	<i>51</i>	<i>492</i>
<i>SONNEN LEXUS</i>	<i>740 FRANCISCO BLVD</i>	<i>54</i>	<i>510</i>
<i>CRO IMPORT AUTO SERVICE</i>	<i>3241 KERNER</i>	<i>56</i>	<i>522</i>
<i>WAGNER PROPERTY</i>	<i>933 FRANCISCO BLVD E</i>	<i>57</i>	<i>524</i>
<i>HOWARD RICE PROPERTY</i>	<i>836 FRANCISCO BLVD W</i>	<i>59</i>	<i>532</i>
<i>NEW SAN RAFAEL CAR WASH</i>	<i>990 FRANCISCO BLVD E</i>	<i>60</i>	<i>537</i>
<i>PETER'S BEACON</i>	<i>108 BELLAM BLVD</i>	<i>60</i>	<i>541</i>
<i>FORMER MOBIL</i>	<i>981 FRANCISCO BLVD</i>	<i>60</i>	<i>550</i>
<i>MARIN SURPLUS MARIN OUTDOORS</i>	<i>49 SIMMS ST</i>	<i>63</i>	<i>568</i>
<i>MARIN SANITARY SERVICE</i>	<i>1050 ANDERSEN DR</i>	<i>63</i>	<i>569</i>
<i>BELLAM MINI STORAGE</i>	<i>24 BELLAM BLVD</i>	<i>63</i>	<i>583</i>
<i>RLJ INCORPORATION</i>	<i>20 BELLAM BLVD</i>	<i>63</i>	<i>587</i>
<i>GOLDEN GATE TRANSIT</i>	<i>1011 ANDERSON ST</i>	<i>63</i>	<i>591</i>
<i>VEHICLE MAINTENANCE FACILITY/U</i>	<i>40 BELLAM BLVD</i>	<i>63</i>	<i>617</i>
<i>68 GARY PLACE</i>	<i>68 GARY PL</i>	<i>63</i>	<i>633</i>
<i>CALTRANS</i>	<i>100 GARY PL</i>	<i>63</i>	<i>635</i>
<i>MARTINEZ ELECTRIC</i>	<i>3155 KERNER BLVD</i>	<i>64</i>	<i>638</i>
<i>MARIN DODGE</i>	<i>1075 FRANCISCO BLVD E</i>	<i>67</i>	<i>643</i>
<i>TREADWELL PROPERTIES</i>	<i>60 GOLDEN GATE DR</i>	<i>68</i>	<i>649</i>
<i>ALBERTS TRANSMISSION</i>	<i>1249 FRANCISCO BLVD</i>	<i>70</i>	<i>656</i>
<i>U HAUL</i>	<i>1205 FRANCISCO</i>	<i>70</i>	<i>660</i>
<i>VIACOM CABLEVISION</i>	<i>1111 ANDERSEN DR</i>	<i>71</i>	<i>663</i>
<i>GHILOTTI BROTHERS INC</i>	<i>525 JACOBY ST</i>	<i>73</i>	<i>668</i>
<i>PG & E SERVICE CENTER</i>	<i>1220 ANDERSEN DR</i>	<i>75</i>	<i>677</i>
<i>SHELL SERVICE STATION</i>	<i>295 SIR FRANCIS DRAKE B</i>	<i>83</i>	<i>711</i>
<i>CHEVRON SS #9-8933</i>	<i>301 SIR FRANCIS DRAKE</i>	<i>83</i>	<i>715</i>

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 09/17/2012 has revealed that there is 1 SWRCY site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MARIN RECYCLING AND RESOURCE R	535 JACOBY ST	73	666

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 10/17/2012 has revealed that there are 111 LUST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
TOSCO - FACILITY #7384 Status: Completed - Case Closed	1125 LINCOLN AVE	2	7

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL Status: Completed - Case Closed	220 SHAVER STREET	3	10
FOODMART Status: Completed - Case Closed	709 5TH AVE	5	23
REDWOOD OIL COMPANY Status: Completed - Case Closed	1320 2ND ST	7	26
REDWOOD OIL COMPANY BRIDGE HOUSING CORP Status: Open - Inactive	1320 2ND ST UNKNOWN 3RD ST & C ST	7 7	32 35
DUFFY BROTHERS GARAGE Status: Completed - Case Closed	855 C ST	7	36
MCPHAIL'S INC Status: Completed - Case Closed	917 C	7	38
ALLIANCE Status: Open - Inactive	UNKNOWN 4TH & LINCOLN	8	39
FORMER CHEVRON STATION	729 4TH ST	8	41
FORMER CHEVRON STATION Status: Completed - Case Closed	729 4TH ST	8	41
D&S GARAGE INC Status: Completed - Case Closed	718 4TH ST	8	45
REDWOOD OIL COMPANY Status: Completed - Case Closed	1011 LINCOLN AVE	8	55
EXXON MURRAY TRUST Status: Completed - Case Closed	1221 3RD	9	74
MISSION SQUARE OFFICE BUILDING	1007 3RD ST	10	75
MOBIL Status: Completed - Case Closed	1101 3RD ST	10	77
COMMERCIAL BUILDING Status: Completed - Case Closed	1115 3RD ST	10	79
FORMER COUNTY GARAGE	519 4TH ST	11	94
FORMER COUNTY GARAGE Status: Completed - Case Closed	519 4TH ST	11	95
TOSCO - FACILITY #2441 Status: Completed - Case Closed	34 RITTER ST	12	108
JOHN IRISH JEEP DEALERSHIP Status: Completed - Case Closed	898 LINCOLN AVE	12	112
GREYHOUND LINE INC Status: Completed - Case Closed	701 3RD ST	14	115
MOBIL	575 2ND	15	119
SAVOY RAIN TUNNEL Status: Completed - Case Closed	620 2ND ST	15	120
SHELL Status: Open - Site Assessment	834 IRWIN	15	124
EXXON Status: Completed - Case Closed	902 IRWIN ST	15	136
SAN RAFAEL UNIFIED SCHOOL DIST Status: Open - Site Assessment	38 UNION ST	16	145

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
STEVE ZAPPETINI & SON INC. Status: Completed - Case Closed	1112 2ND ST	17	148
SHELL SS #80309 Status: Completed - Case Closed	755 2ND	19	169
MARIN COLOR SERVICE Status: Completed - Case Closed	770 2ND ST	19	182
ARCO SERV STA NO 02135 Status: Completed - Case Closed	440 THIRD	20	183
CHEVRON #-6621 Status: Completed - Case Closed	475 3RD ST	20	187
RINEHART OIL SAFEWAY Status: Open - Inactive	475 3RD ST 700 B ST	20 21	192 193
JAKE MATTHEWS Status: Completed - Case Closed	360 3RD ST	22	195
WESTERN BOAT Status: Completed - Case Closed	101 THIRD STREET	25	207
HARRIS PROPERTY Status: Completed - Case Closed	171 3RD ST	25	210
SAN RAFAEL CORPORATION YARD Status: Open - Verification Monitoring	790 LINCOLN	27	231
CITY CORPORATION YRAD UPS FORMER Status: Completed - Case Closed	790 LINCOLN AVE 635 LINDARO ST	27 28	241 246
PACIFIC SUPPLY Status: Completed - Case Closed	61 JORDAN ST	28	248
ALHAMBRA NATIONAL WATER CO MCKESSON WATER PRODUCTS COMPAN Status: Completed - Case Closed	648 LINDARO ST 648 LINDARO ST	28 28	258 259
PACIFIC PLUMBING & HEATING SUP PACIFIC PLUMBING & HEATING Status: Completed - Case Closed	8 LOVELL AVE 8 LOVELL AVE	29 29	265 266
ELLIOTTS AUTO Status: Completed - Case Closed	516 IRWIN	29	268
VARNER PROPERTY FORMER MOBIL STATION Status: Completed - Case Closed	516 IRWIN ST 700 IRWIN ST	29 29	273 297
MARIN MANUFACTURING INC Status: Completed - Case Closed	191 MILL ST	30	305
CARRICO PROPERTY Status: Completed - Case Closed	619 CANAL ST	30	307
BRUNSING ASSOCIATES Status: Completed - Case Closed	513 19 FRANCISCO BLVD E	31	315
JOHN IRISH AUTO PLAZA ANNEX MOTORS INC., NISSAN-VOLV Status: Open - Inactive	475 FRANCISCO BLVD 475 FRANCISCO BLVD E	31 31	318 320
R & G TOYOTA-VOLVO UNKNOWN Status: Completed - Case Closed	445 FRANCISCO BLVD 114 MILL ST	31 36	323 348

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
R A B MOTORS INC Status: Completed - Case Closed	540 W FRANCISCO BLVD	38	362
HATTAR MOTO SPORTS Status: Completed - Case Closed	601 E FRANCISCO BLVD	38	372
ROSSI MOTORS DBA MARIN MAZDA S Status: Completed - Case Closed	595 FRANCISCO BLVD E	38	374
MARIN MAZDA SUBARU LEON C FELTON CO Status: Completed - Case Closed	595 FRANCISCO BLVD E 60 HOAG ST	38 39	378 384
RHODES' WHEEL & BRAKE Status: Completed - Case Closed	49 MEDWAY RD	40	395
7 ELEVEN Status: Completed - Case Closed	80 MEDWAY RD	40	396
FOMER UNOCAL #4853 Status: Open - Eligible for Closure	86 MEDWAY	40	399
FERRER PLUMBING INC Status: Completed - Case Closed	58 LOVELL AVE	43	411
FERRER PLUMBING	58 LOVELL AVE	43	414
FORMER OAKS RENTS Status: Completed - Case Closed	424 IRWIN ST	44	419
WEBER PLASTERING INC Status: Completed - Case Closed	47 DE LUCA	44	428
GOLDEN STATE LUMBER Status: Completed - Case Closed	600 FRANCISCO BLVD	48	449
NORTH BAY PRODUCE Status: Completed - Case Closed	95 LOUISE ST	49	452
PACIFIC BELL Status: Completed - Case Closed	96 LOUISE ST	49	453
WATKIN & BORTOLUSSI INC Status: Completed - Case Closed	77 LARKSPUR ST	50	461
PETER'S ALLIANCE Status: Open - Site Assessment	831 FRANCISCO BLVD E	51	465
MARIN MAZDA Status: Completed - Case Closed	807 FRANCISCO BLVD	51	492
SONNEN LEXUS Status: Completed - Case Closed	740 FRANCISCO BLVD	54	510
DEMAESTRI DISTRIBUTING DE MAESTRI DISTRIBUTING COMPAN Status: Completed - Case Closed	3195 KERNER BLVD 3195 KERNER BLVD	56 56	519 521
CRO IMPORT AUTO SERVICE Status: Completed - Case Closed	3241 KERNER	56	522
WAGNER PROPERTY Status: Completed - Case Closed	933 FRANCISCO BLVD E	57	524
HOWARD RICE PROPERTY Status: Completed - Case Closed	836 FRANCISCO BLVD W	59	532
NEW SAN RAFAEL CAR WASH Status: Completed - Case Closed	990 FRANCISCO BLVD E	60	537

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FORMER CAR WASH & SERVICE STAT PETER'S BEACON Status: Open - Remediation	990 FRANCISCO BLVD 108 BELLAM BLVD	60 60	541 541
FORMER MOBIL Status: Completed - Case Closed	981 FRANCISCO BLVD	60	550
FORMER MOBIL	981 FRANCISCO BLVD	60	556
MARIN SURPLUS MARIN OUTDOORS MARIN SURPLUS MARIN OUTDOORS Status: Completed - Case Closed	49 SIMMS ST 49 SIMMS ST	63 63	567 568
MARIN SANITARY SERVICE Status: Completed - Case Closed	1050 ANDERSEN DR	63	569
MARIN SAN SERV INC BELLAM MINI STORAGE Status: Completed - Case Closed	1050 ANDERSON ST 24 BELLAM BLVD	63 63	573 583
RICHARD JENNINGS RLJ INCORPORATION Status: Completed - Case Closed	20 BELLAM BLVD 20 BELLAM BLVD	63 63	586 587
GOLDEN GATE TRANSIT Status: Completed - Case Closed	1011 ANDERSON ST	63	591
VEHICLE MAINTENANCE FACILITY/U Status: Completed - Case Closed	40 BELLAM BLVD	63	617
68 GARY PLACE Status: Completed - Case Closed	68 GARY PL	63	633
CALTRANS Status: Completed - Case Closed	100 GARY PL	63	635
MARTINEZ ELECTRIC MARTINEZ ELECTRIC Status: Completed - Case Closed	3155 KERNER BLVD 3155 KERNER BLVD	64 64	637 638
MARIN DODGE Status: Completed - Case Closed	1075 FRANCISCO BLVD E	67	643
TREADWELL PROPERTIES Status: Completed - Case Closed	60 GOLDEN GATE DR	68	649
EUROPEAN AUTO SERVICES, INC. EUROPEAN AUTO SERVICE INC Status: Completed - Case Closed	1163 FRANCISCO BLVD. EA 1163 FRANCISCO BLVD	69 69	651 651
SUN IRON WORKS, INC. Status: Completed - Case Closed	1261 E. FRANCISCO BLVD.	70	653
ALBERTS TRANSMISSION Status: Completed - Case Closed	1249 FRANCISCO BLVD	70	656
U HAUL SAN RAFAEL U-HAUL CENTER Status: Completed - Case Closed	1205 FRANCISCO 1205 FRANCISCO BLVD E	70 70	660 660
VIACOM CABLEVISION Status: Completed - Case Closed	1111 ANDERSEN DR	71	663
GHILOTTI BROTHERS INC PG & E SERVICE CENTER Status: Completed - Case Closed	525 JACOBY ST 1220 ANDERSEN DR	73 75	668 677
SHELL	295 SIR FRANCIS DRAKE B	83	712

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
BENJIE PICARD/KATHY KOTULAK Status: Completed - Case Closed	295 SIR FRANCIS DRAKE	83	713
CHEVRON SS #9-8933 Status: Completed - Case Closed	301 SIR FRANCIS DRAKE	83	715

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 26 CA FID UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
UNOCAL SS#7384	1125 LINCOLN AVE	2	5
PACIFIC BELL	220 SHAVER STREET	3	10
5TH & LINCOLN REDWOOD OIL	1011 LINCOLN ST	8	54
CHEVRON GAS STATION	475 003RD ST	11	80
WLTERS UNION 76	34 RITTER ST	12	106
IRWIN SHELL	834 IRWIN ST	15	123
LINCOLN SHELL	755 002ND ST	19	167
CITY CORPORATION YRAD	790 LINCOLN AVE	27	241
PACIFIC SUPPLY-SAN RAFAEL	61 JORDAN ST	28	251
ALHAMBRA NATIONAL WATER CO	648 LINDARO ST	28	258
PACIFIC PLUMBING & HEATING SUP	8 LOVELL AVE	29	265
BERTOLLI'S AUTO & TRUCK SRVC	633 IRWIN ST	29	285
MARIN TIRE & BRAKE INC	688 IRWIN ST	29	293
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
SUNNEN NHRS	595 E FRANCISCO BLVD	38	373
PACIFIC BELL	96 LOUISE ST	49	453
PETERS ALLIANCE	831 FRANCISCO BLVD	51	491
OLDSMOBILE INC MARX	740 FRANCISCO BLVD	54	507
DEMAESTRI DISTRIBUTING	3195 KERNER BLVD	56	519
BUDGET RENT A CAR	20 BELLMAN BLVD	63	566
MARIN SAN SERV INC	1050 ANDERSON ST	63	573
VIACOM CABLEVISION	1111 ANDERSON DR	63	579
SAN RAFAEL BUS FACILITY	1011 ANDERSEN DR	63	588
VEHICLE MAINTENANCE FACILITY	40 BELLAM BLVD	63	615
EUROPEAN AUTO SERVICE INC	1163 FRANCISCO BLVD	69	651
ALBERTS TRANSMISSION	1249 FRANCISCO BLVD	70	656

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 10/17/2012 has revealed that there are 13 SLIC sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MISSION SQUARE OFFICE BUILDING Facility Status: Completed - Case Closed	1007 3RD ST	10	75
PG&E - MGP - SAN RAFAEL Facility Status: Open - Remediation	THIRD ST AND BROOKS AVE	10	76

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MARIN CLEANERS Facility Status: Open - Site Assessment	520 4TH STREET	11	97
MARIN BOAT HOUSE Facility Status: Completed - Case Closed	115 THIRD STREET	25	209
MARIN/SONOMA MOSQUITO (FORMER) Facility Status: Open - Verification Monitoring	201 THIRD ST	25	230
LABCON NORTH AMERICA Facility Status: Open - Verification Monitoring	632 IRWIN ST	29	282
PORSHOP THE Facility Status: Open - Site Assessment	658 IRWIN ST	29	291
PETRA WOLTERING Facility Status: Completed - Case Closed	725 LINCOLN AVE	29	304
RAB MOTORS/CALTRANS Facility Status: Completed - Case Closed	440 FRANCISCO BLVD. WES	31	314
MCPHAIL-SHAMROCK CONCRETE PLAN Facility Status: Completed - Case Closed	548 DUBOIS ST.	37	351
RAB MOTORS/CALTRANS Facility Status: Completed - Case Closed	550 FRANCISCO BLVD. WES	38	353
WARREN SECURITY SYSTEMS Facility Status: Completed - Case Closed	1305 EAST FRANCISCO BLV	70	653
PG&E FORMER SUBSTATION - KENTF Facility Status: Completed - Case Closed	925 - 929 SIR FRANCIS D	83	710

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/17/2012 has revealed that there are 19 UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SILADA UNION 76 #257384	1125 LINCOLN AVENUE	2	4
SAN RAFAEL GARAGE	519 FOURTH ST.	11	97
DOWNTOWN 76 #252441	34 RITTER STREET	12	104
IRWIN SHELL FOODMART	834 IRWIN STREET	15	122
LINCOLN SHELL	755 SECOND STREET	19	181
WESTERN BOAT	101 THIRD STREET	25	207
Not reported	201 FRANCISCO BLVD EAST	26	231
SAN RAFAEL CORPORATION YARD	790 LINCOLN	27	244
BERTOLLI'S AUTO & TRUCK SERVIC	633 IRWIN STREET	29	286
R.A.B. MOTORS, INC.	540 FRANCISCO BOULEVARD	38	360
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
FRANCISCO GAS	831 FRANCISCO BOULEVARD	51	468
FRANCISCO BEACON	831 E. FRANCISCO BLVD.	51	469
VERDI STREET PROPERTIES	933 FRANCISCO BLVD.	57	530
MARIN SANITARY SERVICE	1050 ANDERSEN DRIVE	63	572
R. JENNINGS, GROUSE CK RANCH	20 BELLAM BLVD.	63	584
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SUN IRON WORKS, INC.	1261 E. FRANCISCO BLVD.	70	653
TCI CABLE	1111 ANDERSEN DRIVE	71	665

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 58 HIST UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MOBIL SERVICE STATION	1125 LINCOLN AVE	2	9
PACIFIC BELL	220 SHAVER STREET	3	10
REDWOOD OIL COMPANY	1320 2ND ST	7	32
90085	729 4TH ST	8	42
D&S GARAGE INC	718 4TH ST	8	43
D&S GARAGE INC	718 4TH ST	8	45
5TH & LINCOLN	1011 LINCOLN AVE	8	71
UNION OIL SS#2441	34 RITTER ST	12	105
JOHN IRISH AMC/JEEP, INC.	898 LINCOLN AVE	12	113
MOBIL SERVICE STATION	575 2ND ST	15	118
THE RAIN TUNNEL #2	620 SECOND STREET	15	121
SHELL	834 IRWIN	15	124
STEVE ZAPPETINI & SON INC.	1112 2ND ST	17	148
S.P. OPER.	755 2ND ST	19	181
SAN RAFAEL SERVICE CENTER	750 LINDARO STREET	23	200
WESTERN BOAT	101 THIRD STREET	25	207
CITY CORPORATIN YARD	790 LINCOLN AVE	27	243
CITY CORPORATION YARD	790 LINCOLN AVE	27	245
CITY CORPORATION YRAD	790 LINCOLN AVE	27	246
PACIFIC SUPPLY-SAN RAFAEL	61 JORDAN ST	28	250
PACIFIC PLUMBING & HEATING SUP	8 LOVELL AVE	29	266
ISI INC	623 IRWIN ST	29	279
BERTOLLI'S AUTO & TRUCK SERVIC	633 IRWIN ST	29	287
MARIN TIRE & BRAKE INC	688 IRWIN ST	29	293
ANNEX MOTORS INC., NISSAN-VOLV	475 FRANCISCO BLVD E	31	320
DON COLLINS BUICK	502 FRANCISCO BLVD W	33	331
MCPHAIL'S, INC.	548 DEBOIS ST.	37	350
MAGGIORA & GHILOTTI INC.	555 DU BOIS ST	37	353
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
ROSSI MOTORS DBA MARIN MAZDA S	595 FRANCISCO BLVD E	38	374
NORTH BAY PORSCHE	595 FRANCISCO BLVD E	38	380
LEON C FELTON CO	60 HOAG ST	39	384
FERRER PLUMBING INC	58 LOVELL AVE	43	411
PACIFIC BELL	96 LOUISE ST	49	453
98627	871 FRANCISCO BLVD	51	469
DOBBINS & FLOYDS CRANE SER.	712A FRANCISCO BLVD W	51	488
FLYING J GASOLINE	831 FRANCISCO BLVD.	51	490
MARIN MAZDA	807 FRANCISCO BLVD	51	492
WALTER LOUIS PLUMBING	52 WOODLAND AVE	53	507
SCRIPTURE OLDSMOBILE INC	740 FRANCISCO BLVD W	54	514
NEW SAN RAFAEL CAR WASH	990 FRANCISCO BLVD E	60	537
LEASED PROPERTY	10 WOODLAND AVE	61	556
MARIN SURPLUS STORE	49 SIMMS ST	63	567
MARIN SURPLUS STORE	49 SIMMS ST	63	568

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MARIN SAN SERV INC	1050 ANDERSON ST	63	573
SONNEN AUTOBODY	10 BELLAM BLVD	63	580
R,L,J, INC.	20-A BELLAM BLVD	63	584
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591
VEHICLE MAINTENANCE FACILITY	40 BELLAM BLVD	63	615
MARTINEZ ELECTRIC	3155 KERNER BLVD	64	637
MERZ BROS CONST.	#1 SIMMS ST	66	642
VIACOM CABLEVISION	60 GOLDEN GATE DR	68	649
SUN IRON WORKS, INC.	1261 E. FRANCISCO BLVD.	70	653
ALBERTS TRANSMISSION	1249 FRANCISCO BLVD	70	656
SAN RAFAEL U-HAUL CENTER	1205 FRANCISCO BLVD E	70	660
GHILOTTI BROTHERS CONSTRUCTION	525 JACOBY STREET	73	666
CORPORATION YARD (TREATMENT PL	2000 LARKSPUR LANDING C	81	704
BENJIE PICARD/KATHY KOTULAK	295 SIR FRANCIS DRAKE	83	713

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 34 SWEEPS UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
UNOCAL SS#7384	1125 LINCOLN AVE	2	5
PACIFIC BELL	220 SHAVER STREET	3	10
REDWOOD OIL COMPANY	1320 2ND ST	7	32
5TH & LINCOLN REDWOOD OIL	1011 LINCOLN ST	8	54
CHEVRON GAS STATION	475 003RD ST	11	80
WLTERS UNION 76	34 RITTER ST	12	106
IRWIN SHELL	834 IRWIN ST	15	123
LINCOLN SHELL	755 002ND ST	19	167
CITY CORPORATION YRAD	790 LINCOLN AVE	27	241
PACIFIC SUPPLY-SAN RAFAEL	61 JORDAN ST	28	251
ALHAMBRA NATIONAL WATER CO	648 LINDARO ST	28	258
PACIFIC PLUMBING & HEATING SUP	8 LOVELL AVE	29	265
BERTOLLI'S AUTO & TRUCK SRVC	633 IRWIN ST	29	285
MARIN TIRE & BRAKE INC	688 IRWIN ST	29	293
UNKNOWN	114 MILL ST	36	348
R.A.B. MOTORS INC	540 W FRANCISCO BLVD	38	361
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
SUNNEN NHRS	595 E FRANCISCO BLVD	38	373
WEBER PLASTERING	52 DE LUCA PLACE	44	430
PACIFIC BELL	96 LOUISE ST	49	453
PETERS ALLIANCE	831 FRANCISCO BLVD	51	491
OLDSMOBILE INC MARX	740 FRANCISCO BLVD	54	507
DEMAESTRI DISTRIBUTING	3195 KERNER BLVD	56	519
TRIPLE S TIRE	836 W FRANCISCO BLVD	59	531
BUDGET RENT A CAR	20 BELLMAN BLVD	63	566
MARIN SAN SERV INC	1050 ANDERSON ST	63	573
SAN RAFAEL BUS FACILITY	1011 ANDERSEN DR	63	588
VEHICLE MAINTENANCE FACILITY/U	40 BELLAM BLVD	63	617
EUROPEAN AUTO SERVICE INC	1163 FRANCISCO BLVD	69	651

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SUN IRON WORKS, INC.	1261 E. FRANCISCO BLVD.	70	653
ALBERTS TRANSMISSION	1249 FRANCISCO BLVD	70	656
VIACOM CABLEVISION	1111 ANDERSEN DR	71	663
SHELL SERVICE STATION	295 SIR FRANCIS DRAKE B	83	711
CHEVRON SS #9-8933	301 SIR FRANCIS DRAKE	83	715

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 03/28/2012 has revealed that there are 5 CHMIRS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL	220 SHAVER STREET	3	10
Not reported	97 JORDAN ST.	28	251
HI-TIDE BOAT SALES-SERVICE	620 CANAL ST	32	328
FERRER PLUMBING INC	58 LOVELL AVE	43	411
PACIFIC BELL	96 LOUISE ST	49	453

LDS: The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

A review of the LDS list, as provided by EDR, and dated 12/17/2012 has revealed that there is 1 LDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SAN QUENTIN SOLID WASTE DISPOS	1615 FRANCISCO BLVD	77	681

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 10 AST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
Not reported	8 LOVELL AVE	29	265
LEXUS OF MARIN	513 E. FRANCISCO BLVD	31	316
SHAMROCK MATERIALS, INC.	548 DUBOIS ST.	37	352
RAB MOTORS	540 WEST FRANCISCO BLVD	38	372
MILL VALLEY REFUSE	112 FRONT STREET	39	391
GOTELLI'S RENTAL SERVICES	501 DUBOIS ST.	42	410
Not reported	1050 ANDERSEN DRIVE	63	573
GOLDEN GATETRANSIT.	1011 ANDERSEN DRIVE	63	588
GHILOTTI BROTHERS CONSTRUCTION	525 JACOBY STREET	73	666
Not reported	2000 LARKSPUR LANDING C	81	704

EXECUTIVE SUMMARY

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 13 Notify 65 sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
KEATON'S MORTUARY PARKING LOT	1011 E STREET	1	4
KEETON MORTUARY	1022 E ST	1	4
PACIFIC BELL	220 SHAVER STREET	3	10
ASIAN MARKET	1011 LINCOLN AVENUE	8	55
Not reported	1221 3RD STREET	9	73
ARCO SERVICE STATION #6157	1401 SECOND STREET	13	115
ARCO SERVICE STATION #2135	440 THIRD STREET	20	187
PACIFIC SUPPLY	61 JORDAN ST	28	248
MARIN SANITARY SERVICE	1050 ANDERSEN DR	63	569
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591
ALBERTS TRANSMISSION	1249 FRANCISCO BLVD	70	656
SAN RAFAEL U-HAUL CENTER	1205 EAST FRANCISCO BLV	72	665
LARKSPUR FERRY TERMINAL	101 E SIR FRANCIS DRAKE	84	730

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 12/10/2012 has revealed that there are 3 DEED sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PG&E, SAN RAFAEL MGP	SECOND STREET AND LINDA	18	150
MARIN-SONOMA MOSQUITO ABATEMEN	201 3RD STREET	25	212
WESTERN PLATING & POLISHING	714A FRANCISCO BLVD W	51	478

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 12/05/2012 has revealed that there are 2 VCP sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PG&E, SAN RAFAEL MGP	SECOND STREET AND LINDA	18	150
MARIN-SONOMA MOSQUITO ABATEMEN	201 3RD STREET	25	212

EXECUTIVE SUMMARY

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/11/2012 has revealed that there are 6 DRYCLEANERS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MOBIL	1101 3RD ST	10	77
MAGNIFICENT CLEANERS	977 GRAND AVE	11	87
MARIN CLEANERS	520 4TH STREET	11	97
HERITAGE CLEANERS	915 IRWIN STREET	15	138
MARIN SQUARE CLEANERS	55 BELLAM BLVD STE C	63	626
MAXWELL THE CLEANERS	1401 LARKSPUR LANDING C	80	694

ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the ENF list, as provided by EDR, and dated 11/16/2012 has revealed that there are 7 ENF sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
TOSCO - FACILITY #2441	34 RITTER ST	12	108
SHELL SS #80309	755 2ND	19	169
SAN RAFAEL CORPORATION YARD	790 LINCOLN	27	231
PETER'S BEACON	108 BELLAM BLVD	60	541
GHILOTTI BROTHERS INC	525 JACOBY ST	73	668
SAN QUENTIN SOLID WASTE DISPOS	1615 FRANCISCO BLVD	77	681
CHEVRON SS #9-8933	301 SIR FRANCIS DRAKE	83	715

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 12/05/2012 has revealed that there is 1 RESPONSE site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FORMER MAXIM GAS PLANT OFFICE	4TH STREET BETWEEN A &	4	19

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2011 has revealed that there are 104

EXECUTIVE SUMMARY

HAZNET sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
KEETON MORTUARY	1022 E ST	1	4
PACIFIC BELL	220 SHAVER STREET	3	10
FOODMART	709 5TH AVE	5	23
REDWOOD OIL COMPANY	1320 2ND ST	7	26
REDWOOD OIL COMPANY	1320 2ND ST	7	32
D&S GARAGE INC	718 4TH ST	8	43
D&S GARAGE INC	718 4TH ST	8	45
SUPERFINE CLEANERS	510 3RD ST	11	82
MAGNIFICENT CLEANERS	977 GRAND AVE	11	87
MARIN CLEANERS	520 4TH STREET	11	97
TOSCO - FACILITY #2441	34 RITTER ST	12	108
SHELL	834 IRWIN	15	124
HERITAGE CLEANERS	915 IRWIN STREET	15	138
SAN RAFAEL UNIFIED SCHOOL DIST	38 UNION ST	16	145
RINEHART OIL	475 3RD ST	20	192
SAFeway	700 B ST	21	193
JAKE MATTHEWS	360 3RD ST	22	195
PG&E SAN RAFAEL SERVICE CENTER	750 LINDARO ST	23	202
CLASSIC AUTO CRAFT	235 LINCOLN AVE	24	204
HARRIS PROPERTY	171 3RD ST	25	210
MARIN-SONOMA MOSQUITO ABATEMEN	201 3RD STREET	25	212
SAN RAFAEL CORPORATION YARD	790 LINCOLN	27	231
CITY CORPORATION YRAD	790 LINCOLN AVE	27	241
PACIFIC SUPPLY	61 JORDAN ST	28	248
PACIFIC BELL C O ALLEN W3665	107 JORDAN ST	28	254
PACIFIC PLUMBING & HEATING	8 LOVELL AVE	29	266
ELLIOTTS AUTO	516 IRWIN	29	268
ISI INC	623 IRWIN ST	29	279
LABCON NORTH AMERICA	632 IRWIN ST	29	282
BERTOLLI'S AUTO & TRUCK SRVC	633 IRWIN ST	29	285
BERTOLLI'S AUTO & TRUCK SERVIC	633 IRWIN ST	29	287
LAND ROVER MARIN	647 IRWIN	29	288
PORSHOP THE	658 IRWIN ST	29	291
PETRA WOLTERING	725 LINCOLN AVE	29	304
MARIN MANUFACTURING INC	191 MILL ST	30	305
JOHN IRISH AUTO PLAZA	475 FRANCISCO BLVD	31	318
ANNEX MOTORS INC., NISSAN-VOLV	475 FRANCISCO BLVD E	31	320
R & G TOYOTA-VOLVO	445 FRANCISCO BLVD	31	323
AA CARRICO	616 CANAL ST	32	327
HI-TIDE BOAT SALES-SERVICE	620 CANAL ST	32	328
SATURN OF MARIN	535 FRANCISCO BLVD E	33	332
BOORMAN AUTO	9 BAY ST	33	334
BLAKES AUTO BODY INC	31 BAY ST	33	336
CAR SHOP	616 LINDARO	34	340
MCGUINNESS MECHANICS	771 ANDERSEN DR	35	343
INFINITI OF MARIN	620 DUBOIS ST	35	344
UNKNOWN	114 MILL ST	36	348
MCPHAIL-SHAMROCK CONCRETE PLAN	548 DUBOIS ST.	37	351
FLADEBOE CHEV GEO OLDS	550 FRANCISCO BLVD WEST	38	354
MICHAEL STEADS MARIN FORD	619 FRANCISCO BLVD EAST	38	357
R A B MOTORS INC	540 W FRANCISCO BLVD	38	362
ROSSI MOTORS DBA MARIN MAZDA S	595 FRANCISCO BLVD E	38	374
MARIN MAZDA SUBARU	595 FRANCISCO BLVD E	38	378
J P PLATING, INC	42 HOAG ST	39	381
LEON C FELTON CO	60 HOAG ST	39	384

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>VLADOS COLLISION WORKS</i>	<i>54 HOAG AVE</i>	<i>39</i>	<i>391</i>
<i>G AND C AUTOBODY INC</i>	<i>810 ANDERSEN DR</i>	<i>42</i>	<i>405</i>
<i>A R AUTO TRUCK SVC INC</i>	<i>401 IRWIN ST</i>	<i>44</i>	<i>414</i>
<i>FORMER OAKS RENTS</i>	<i>424 IRWIN ST</i>	<i>44</i>	<i>419</i>
<i>REDHILL AUTO BODY</i>	<i>428 IRWIN ST</i>	<i>44</i>	<i>422</i>
<i>DAVIS AUTO AND TRUCK REPAIR</i>	<i>34 DELUCA PL UNIT C</i>	<i>44</i>	<i>426</i>
<i>FERRARI AND MASERATI OF SAN FR</i>	<i>454 DU BOIS ST</i>	<i>45</i>	<i>430</i>
<i>VLADOS COLLISION WORKS</i>	<i>36 FRONT ST</i>	<i>46</i>	<i>434</i>
<i>WESTERN PLATING & POLISHING CO</i>	<i>11 BAXTERS CT</i>	<i>48</i>	<i>445</i>
<i>PACIFIC BELL</i>	<i>96 LOUISE ST</i>	<i>49</i>	<i>453</i>
<i>TEXACO EXPRESS LUBE</i>	<i>831 E FRANCISCO BLVD</i>	<i>51</i>	<i>463</i>
<i>MARIN ACURA</i>	<i>807 E FRANCISCO BLVD</i>	<i>51</i>	<i>471</i>
<i>SPEC ELECTROPLATING</i>	<i>712 FRANCISCO BLVD.</i>	<i>51</i>	<i>482</i>
<i>MARIN MAZDA</i>	<i>807 FRANCISCO BLVD</i>	<i>51</i>	<i>492</i>
<i>J R AUTO BODY</i>	<i>70-U WOODLAND AVE</i>	<i>52</i>	<i>496</i>
<i>BECKSTROM AUTOMOTIVE INC</i>	<i>70 B WOODLAND AVE</i>	<i>52</i>	<i>504</i>
<i>SONNEN LEXUS</i>	<i>601 FRANCISCO BLVD</i>	<i>54</i>	<i>511</i>
<i>A AND C AUTO AIR AND RADIATOR</i>	<i>40 WOODLAND AVE</i>	<i>55</i>	<i>515</i>
<i>DEMAESTRI DISTRIBUTING</i>	<i>3195 KERNER BLVD</i>	<i>56</i>	<i>519</i>
<i>CRO IMPORT AUTO SERVICE</i>	<i>3241 KERNER</i>	<i>56</i>	<i>522</i>
<i>WAGNER PROPERTY</i>	<i>933 FRANCISCO BLVD E</i>	<i>57</i>	<i>524</i>
<i>LOCKE AUTOMOTIVE</i>	<i>911 FRANCISCO BOULEVARD</i>	<i>57</i>	<i>526</i>
<i>S&P AUTO REPAIR</i>	<i>905 ANDERSEN DR</i>	<i>58</i>	<i>530</i>
<i>S&P AUTO REPAIR</i>	<i>905 ANDERSON DR</i>	<i>58</i>	<i>530</i>
<i>TRIPLE S TIRE</i>	<i>810 SAN FRANCISCO BLVD</i>	<i>59</i>	<i>534</i>
<i>PETER'S BEACON</i>	<i>108 BELLAM BLVD</i>	<i>60</i>	<i>541</i>
<i>FORMER MOBIL</i>	<i>981 FRANCISCO BLVD</i>	<i>60</i>	<i>550</i>
<i>RAFAEL LUMBER</i>	<i>930 ANDERSEN DR</i>	<i>61</i>	<i>557</i>
<i>S & S AUTO BODY</i>	<i>180 GARY PLACE</i>	<i>62</i>	<i>558</i>
<i>MARIN SAN SERV INC</i>	<i>1050 ANDERSON ST</i>	<i>63</i>	<i>573</i>
<i>SONNEN AUTOBODY</i>	<i>10 BELLAM BLVD</i>	<i>63</i>	<i>580</i>
<i>RICHARD JENNINGS</i>	<i>20 BELLAM BLVD</i>	<i>63</i>	<i>586</i>
<i>GOLDEN GATE TRANSIT</i>	<i>1011 ANDERSON ST</i>	<i>63</i>	<i>591</i>
<i>VEHICLE MAINTENANCE FACILITY/U</i>	<i>40 BELLAM BLVD</i>	<i>63</i>	<i>617</i>
<i>EUROPEAN CAR SERVICE</i>	<i>38 GARY PL</i>	<i>63</i>	<i>623</i>
<i>MARIN SQUARE CLEANERS</i>	<i>55 BELLAM BLVD UNIT C</i>	<i>63</i>	<i>626</i>
<i>CALTRANS</i>	<i>100 GARY PL</i>	<i>63</i>	<i>635</i>
<i>JERRY THOMPSON AND SONS PAINTI</i>	<i>999 ANDERSEN DR STE 100</i>	<i>65</i>	<i>639</i>
<i>MARIN DODGE</i>	<i>1075 FRANCISCO BLVD E</i>	<i>67</i>	<i>643</i>
<i>SUN IRON WORKS, INC.</i>	<i>1261 E. FRANCISCO BLVD.</i>	<i>70</i>	<i>653</i>
<i>ALBERTS TRANSMISSION</i>	<i>1249 FRANCISCO BLVD</i>	<i>70</i>	<i>656</i>
<i>VIACOM CABLEVISION</i>	<i>1111 ANDERSEN DR</i>	<i>71</i>	<i>663</i>
<i>GHILOTTI BROTHERS INC</i>	<i>525 JACOBY ST</i>	<i>73</i>	<i>668</i>
<i>PHOTO WASTE RECYCLING CO. INC.</i>	<i>2980 KERNER BLVD</i>	<i>76</i>	<i>679</i>
<i>SAN QUENTIN SOLID WASTE DISPOS</i>	<i>1615 FRANCISCO BLVD</i>	<i>77</i>	<i>681</i>
<i>MAXWELL THE CLEANERS</i>	<i>1401 LARKSPUR LANDING C</i>	<i>80</i>	<i>694</i>
<i>SANITARY DISTRICT #1 OF MARIN</i>	<i>2000 LARKSPUR LANDING C</i>	<i>81</i>	<i>704</i>
<i>CHEVRON SS #9-8933</i>	<i>301 SIR FRANCIS DRAKE</i>	<i>83</i>	<i>715</i>
<i>LARKSPUR FERRY TERMINAL</i>	<i>101 E SIR FRANCIS DRAKE</i>	<i>84</i>	<i>730</i>

EXECUTIVE SUMMARY

EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2008 has revealed that there are 15 EMI sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL	220 SHAVER STREET	3	10
D&S GARAGE INC	718 4TH ST	8	45
MAGNIFICENT CLEANERS	977 GRAND AVE	11	87
MARIN CLEANERS	520 4TH STREET	11	97
HERITAGE CLEANERS	915 IRWIN STREET	15	138
MICHAEL STEADS MARIN FORD	619 FRANCISCO BLVD EAST	38	357
G AND C AUTOBODY INC	810 ANDERSEN DR	42	405
REDHILL AUTO BODY	428 IRWIN ST	44	422
VLADOS COLLISION WORKS	36 FRONT ST	46	434
J R AUTO BODY	70-U WOODLAND AVE	52	496
LOCKE AUTOMOTIVE	911 FRANCISCO BOULEVARD	57	526
S & S AUTO BODY	180 GARY PLACE	62	558
GOLDEN GATE TRANSIT	1011 ANDERSON ST	63	591
MARIN SQUARE CLEANERS	55 BELLAM BLVD UNIT C	63	626
MAXWELL THE CLEANERS	1401 LARKSPUR LANDING C	80	694

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 12/05/2012 has revealed that there are 24 ENVIROSTOR sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FORMER MAXIM GAS PLANT OFFICE Status: No Further Action	4TH STREET BETWEEN A &	4	19
PG&E, SAN RAFAEL MGP Status: Active	SECOND STREET AND LINDA	18	150
MARIN-SONOMA MOSQUITO ABATEMEN Status: Certified / Operation & Maintenance	201 3RD STREET	25	212
Not reported Status: Refer: RWQCB	97 JORDAN ST.	28	251
UNIVERSAL PROTECTIVE COATINGS Status: Refer: RWQCB	121-123 JORDAN STREET	28	257
HORST HANF LANDFILL Status: Refer: RWQCB	834 FRANCISCO BOULEVARD	31	313
AA CARRICO Status: Refer: Other Agency	616 CANAL ST	32	327

EXECUTIVE SUMMARY

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
HI-TIDE BOAT SALES-SERVICE Status: Refer: RWQCB	620 CANAL ST	32	328
CAR SHOP Status: No Further Action	616 LINDARO	34	340
MCPHAIL-SHAMROCK CONCRETE PLAN Status: Refer: Other Agency	548 DUBOIS ST.	37	351
MARIN RADIATOR Status: Inactive - Needs Evaluation	800 ANDERSON DR	41	402
GRIESE RADIATOR REPAIR Status: Refer: Other Agency	10 BAXTERS COURT	48	442
WESTERN CHROME PLATING AN Status: Refer: Other Agency	11 BAXTERS	48	443
SPECIFICATION CHROMIUM CO Status: Inactive - Needs Evaluation	14 BAXTERS	48	448
WESTERN PLATING & POLISHING Status: Certified O&M - Land Use Restrictions Only	714A FRANCISCO BLVD W	51	478
SPEC ELECTROPLATING Status: No Further Action	712 FRANCISCO BLVD.	51	482
A AND C AUTO AIR AND RADIATOR Status: Refer: Other Agency	40 WOODLAND AVE	55	515
MARIN DODGE Status: Refer: RWQCB	1075 FRANCISCO BLVD E	67	643
SHORELINE CENTER Status: Refer: Other Agency	111 SHORELINE BLVD.	74	676
PG & E SERVICE CENTER Status: Inactive - Needs Evaluation	1220 ANDERSEN DR	75	677
SAN QUENTIN SOLID WASTE DISPOS Status: Refer: RWQCB	1615 FRANCISCO BLVD	77	681
BAYVIEW BUSINESS PARK Status: Refer: RWQCB	PELICAN WAY & KERNER AV	78	692
GHILOTTI BROTHERS DISPOSAL SIT Status: Refer: RWQCB	FRANCISCO BOULEVARD AND	79	693
SANITARY DISTRICT #1 OF MARIN Status: No Further Action	2000 LARKSPUR LANDING C	81	704

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/26/2012 has revealed that there is 1 HWP site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PHOTO WASTE RECYCLING CO. INC.	2980 KERNER BLVD	76	679

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
PG AND E GAS PLANT SAN RAFAEL	SW COR 3RD AND LINDERO	23	200

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	0
CERC-NFRAP	2
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	2
RCRA-SQG	72
RCRA-CESQG	0
RCRA NonGen / NLR	13
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	0
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
DEBRIS REGION 9	0
ODI	0
MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	82
RAATS	0
RMP	0
PRP	0
2020 COR ACTION	0
US AIRS	1
FEDERAL FACILITY	0
COAL ASH EPA	0
FEMA UST	0
SCRD DRYCLEANERS	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
EPA WATCH LIST	0
US FIN ASSUR	0
US HIST CDL	0
PCB TRANSFORMER	0
COAL ASH DOE	0
<u>STATE AND LOCAL RECORDS</u>	
HIST Cal-Sites	2
CA BOND EXP. PLAN	1
SCH	0
Toxic Pits	0
SWF/LF	3
WMUDS/SWAT	1
WDS	7
NPDES	7
UIC	0
Cortese	0
HIST CORTESE	81
SWRCY	1
LUST	111
CA FID UST	26
SLIC	13
UST	19
HIST UST	58
LIENS	0
CUPA Listings	0
SWEEPS UST	34
CHMIRS	5
LDS	1
MCS	0
AST	10
Notify 65	13
DEED	3
VCP	2
DRYCLEANERS	6
WIP	0
ENF	7
CDL	0
RESPONSE	1
HAZNET	104
EMI	15
HAULERS	0
ENVIROSTOR	24
Financial Assurance	0
HWP	1
HWT	0
MWMP	0
PROC	0
<u>TRIBAL RECORDS</u>	
INDIAN RESERV	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0
<u>EDR PROPRIETARY RECORDS</u>	
EDR MGP	1

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

**1 KEATON'S MORTUARY PARKING LOT
 1011 E STREET
 SAN RAFAEL, CA 94901**

**Notify 65 S100179782
 N/A**

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 94901

**1 KEETON MORTUARY
 1022 E ST
 SAN RAFAEL, CA 94901**

**Notify 65 S100179783
 HAZNET N/A**

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 94901

HAZNET:
 Year: 2003
 Gepaid: CAC002566458
 Contact: RON HENDERSON
 Telephone: 4154530571
 Mailing Name: Not reported
 Mailing Address: 1022 E ST
 Mailing City,St,Zip: SAN RAFAEL, CA 94901
 Gen County: Marin
 TSD EPA ID: CAL000190080
 TSD County: Marin
 Waste Category: Asbestos containing waste
 Disposal Method: Disposal, Land Fill
 Tons: 1.68
 Facility County: Marin

**2 SILADA UNION 76 #257384
 1125 LINCOLN AVENUE
 SAN RAFAEL, CA 94901**

**UST U003782165
 N/A**

UST:
 Facility ID: 300179
 Latitude: 37.97373
 Longitude: -122.52358

MARIN CO. UST:
 Facility Id: 60-0974
 Tank Number: 000001
 Tank Status: Change of Information
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SILADA UNION 76 #257384 (Continued)

U003782165

Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000002
 Tank Status: Change of Information
 Tank Contents: Premium unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: UST Removal
 Tank Contents: Not reported
 Tank Use: Hazardous waste (includes used oil)
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

2

**UNOCAL SS#7384
 1125 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**CA FID UST S101588478
 SWEEPS UST N/A**

CA FID UST:
 Facility ID: 21000165
 Regulated By: UTNKA
 Regulated ID: 00039483
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154565452
 Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:
 Status: Active
 Comp Number: 39483
 Number: 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

UNOCAL SS#7384 (Continued)

S101588478

Board Of Equalization: Not reported
 Referral Date: 09-26-91
 Action Date: 09-26-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 7384-SU-1
 Swrcb Tank Id: 21-028-039483-000001
 Actv Date: 06-21-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 3

Status: Active
 Comp Number: 39483
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 09-26-91
 Action Date: 09-26-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 7384-RU-1
 Swrcb Tank Id: 21-028-039483-000002
 Actv Date: 06-21-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 39483
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 09-26-91
 Action Date: 09-26-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 7384WO-1
 Swrcb Tank Id: 21-028-039483-000003
 Actv Date: 06-21-91
 Capacity: 1000
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

2	TOSCO - FACILITY #7384 1125 LINCOLN AVE SAN RAFAEL, CA 94901	HIST CORTESE LUST	S101298660 N/A
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CORTESE:

Region:	CORTESE
Facility County Code:	21
Reg By:	LTNKA
Reg Id:	21-0149

LUST:

Region:	STATE
Global Id:	T0604100140
Latitude:	37.973709
Longitude:	-122.522533
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/15/2007
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	REL
Local Agency:	Not reported
RB Case Number:	21-0149
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id:	T0604100140
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported

Global Id:	T0604100140
Contact Type:	Regional Board Caseworker
Contact Name:	RALPH LAMBERT
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST. SUITE 1500
City:	OAKLAND
Email:	ralambert@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100140
Action Type:	RESPONSE
Date:	05/11/2007
Action:	Request for Closure

Global Id:	T0604100140
Action Type:	ENFORCEMENT
Date:	06/15/2007
Action:	Closure/No Further Action Letter

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO - FACILITY #7384 (Continued)

S101298660

Global Id:	T0604100140
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100140
Action Type:	RESPONSE
Date:	07/31/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100140
Action Type:	RESPONSE
Date:	04/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100140
Action Type:	ENFORCEMENT
Date:	06/23/2010
Action:	Referral to Other State Agency
Global Id:	T0604100140
Action Type:	ENFORCEMENT
Date:	05/25/2006
Action:	13267 Monitoring Program
Global Id:	T0604100140
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100140
Action Type:	RESPONSE
Date:	05/03/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100140
Action Type:	RESPONSE
Date:	05/07/2007
Action:	Sensitive Receptor Survey Report
Global Id:	T0604100140
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0149
Facility Status:	Remedial action (cleanup) Underway
Case Number:	30
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assessment Wokplan Submitted:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOSCO - FACILITY #7384 (Continued)

S101298660

Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 8/1/1987
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: 7/25/1994
 Date Post Remedial Action Monitoring Began: Not reported

2

**MOBIL SERVICE STATION
 1125 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599960
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000065683
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154565452
 Owner Name: MOBIL OIL CORP
 Owner Address: 612 FLOWER ST
 Owner City,St,Zip: LOS ANGELES, CA 90017

Tank Num: 001
 Container Num: 4
 Year Installed: 1972
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Visual

Tank Num: 001
 Container Num: 1
 Year Installed: 1972
 Tank Capacity: 00008000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 002
 Container Num: 2
 Year Installed: 1972
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 003
 Container Num: 3
 Year Installed: 1972
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site
 Database(s)
 EDR ID Number
 EPA ID Number

3 **PACIFIC BELL**
220 SHAVER STREET
SAN RAFAEL, CA 94901

RCRA-SQG
FINDS
HIST CORTESE
LUST
CA FID UST
HIST UST
SWEEPS UST
CHMIRS
Notify 65
HAZNET
EMI

1000250850
CAT080015753

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: PACIFIC BELL
 Facility address: 220 SHAVER STREET
 SAN RAFAEL, CA 94901
 EPA ID: CAT080015753
 Mailing address: 220 MONTGOMERY STREET RM 1051
 SAN FRANCISCO, CA 94104
 Contact: Not reported
 Contact address: Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: THE PACIFIC TEL & TEL COMPANY
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000250850

Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 01/09/1981
 Facility name: PACIFIC BELL
 Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002947429

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0104

LUST:

Region: STATE
 Global Id: T0604100100
 Latitude: 37.972809
 Longitude: -122.534284
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/20/2007
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000250850

RB Case Number: 21-0104
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100100
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100100
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100100
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100100
 Action Type: RESPONSE
 Date: 08/24/2006
 Action: Tank Removal Report / UST Sampling Report

Global Id: T0604100100
 Action Type: ENFORCEMENT
 Date: 02/20/2007
 Action: Closure/No Further Action Letter

Global Id: T0604100100
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100100
 Action Type: ENFORCEMENT
 Date: 10/24/2006
 Action: 13267 Requirement

Global Id: T0604100100
 Action Type: Other
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000250850

Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0104
 Facility Status: Leak being confirmed
 Case Number: 7
 How Discovered: Tank Closure
 Leak Cause: Corrosion
 Leak Source: Piping
 Date Leak Confirmed: 12/19/1994
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 21000116
 Regulated By: UTNKA
 Regulated ID: 00057734
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4155426758
 Mail To: Not reported
 Mailing Address: 370 003RD ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

HIST UST:

Region: STATE
 Facility ID: 00000057734
 Facility Type: Other
 Other Type: SIC 4800
 Total Tanks: 0001
 Contact Name: E.J. KOEHLER
 Telephone: 4155426758
 Owner Name: PACIFIC BELL
 Owner Address: 370 THIRD STREET
 Owner City,St,Zip: SAN FRANCISCO, CA 94107

Tank Num: 001
 Container Num: 1
 Year Installed: 1962
 Tank Capacity: 00012000
 Tank Used for: PRODUCT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000250850

Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: None

SWEEPS UST:

Status: Active
 Comp Number: 57734
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-057734-000001
 Actv Date: 09-27-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: 1

CHMIRS:

OES Incident Number: '10-2968
 OES notification: 5/12/2010 5:02:00 PM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000250850

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2010
Agency:	ATT
Incident Date:	5/12/2010
Admin Agency:	Marin County Waste Management Office
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfuric Acid
Quantity Released:	1
BBLs:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Due to a battery manufacture default, a battery for power was leaking. The substance was released to the ground. Cleanup is complete.
OES Incident Number:	'10-2335
OES notification:	4/13/2010 10:31:00 AM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000250850

Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	900
Year:	2010
Agency:	AT&T
Incident Date:	4/13/2010
Admin Agency:	Marin County Waste Management Office
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Lead Acid (Battery)
Quantity Released:	3
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000250850

Evacuations: Not reported
 Number of Injuries: Not reported
 Number of Fatalities: Not reported
 Description: A batter cracked, causing this release.

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

HAZNET:

Year: 2004
 Gepaid: CAT080015753
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: Not reported
 Mailing Address: PO BOX 5095 RM 3E000
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 0.2
 Facility County: Not reported

Year: 2003
 Gepaid: CAT080015753
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: RM1N200
 Mailing Address: PO BOX 5095 RM 3E000
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CAD982042475
 TSD County: Marin
 Waste Category: Asbestos containing waste
 Disposal Method: Not reported
 Tons: 2.52
 Facility County: Marin

Year: 2002
 Gepaid: CAT080015753
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: Not reported
 Mailing Address: PO BOX 5095 RM 3E000
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000250850

Tons: 0.75
 Facility County: Not reported

 Year: 2002
 Gepaid: CAT080015753
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: Not reported
 Mailing Address: PO BOX 5095 RM 3E000
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 0.66
 Facility County: Not reported

Year: 2002
 Gepaid: CAT080015753
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: Not reported
 Mailing Address: PO BOX 5095 RM 3E000
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 0.87
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 12 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 13540
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .007
 Reactive Organic Gases Tons/Yr: .0058569
 Carbon Monoxide Emissions Tons/Yr: .018
 NOX - Oxides of Nitrogen Tons/Yr: .084
 SOX - Oxides of Sulphur Tons/Yr: .001
 Particulate Matter Tons/Yr: .006
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .005856

 Year: 2007
 County Code: 21
 Air Basin: SF

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000250850

Facility ID: 13540
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .007
 Reactive Organic Gases Tons/Yr: .0058569
 Carbon Monoxide Emissions Tons/Yr: .018
 NOX - Oxides of Nitrogen Tons/Yr: .084
 SOX - Oxides of Sulphur Tons/Yr: .001
 Particulate Matter Tons/Yr: .006
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .005856

4

**FORMER MAXIM GAS PLANT OFFICE
 4TH STREET BETWEEN A & B STREETS
 SAN RAFAEL, CA 94901**

**HIST Cal-Sites
 RESPONSE
 ENVIROSTOR**

**S102008370
 N/A**

Calsite:

Facility ID: 21490013
 Region: 2
 Region Name: BERKELEY
 Branch: NC
 Branch Name: NORTH COAST
 File Name: Not reported
 State Senate District: 12151989
 Status: BACKLOG, POTENTIAL ANNUAL WORKPLAN (AWP) SITE
 Status Name: BACKLOG - POTENTIAL AWP SITE
 Lead Agency: DTSC
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
 Facility Type: RP
 Type Name: RESPONSIBLE PARTY
 NPL: Not Listed
 SIC Code: 49
 SIC Name: ELECTRIC, GAS & SANITARY SERVICES
 Access: Not reported
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 Staff Member Responsible for Site: Not reported
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF
 Region Water Control Board Name: SAN FRANCISCO BAY
 Lat/Long Direction: Not reported
 Lat/Long (dms): 0 0 0 / 0 0 0
 Lat/long Method: Not reported
 Lat/Long Description: Not reported
 State Assembly District Code: 06
 State Senate District Code: 03
 Facility ID: 21490013
 Activity: DISC
 Activity Name: DISCOVERY
 AWP Code: Not reported
 Proposed Budget: 0
 AWP Completion Date: Not reported
 Revised Due Date: Not reported
 Comments Date: 11091989

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER MAXIM GAS PLANT OFFICE (Continued)

S102008370

Est Person-Yrs to complete: 0
 Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: BKLG
 Definition of Status: BACKLOG - POTENTIAL AWP SITE
 Liquids Removed (Gals): 0
 Liquids Treated (Gals): 0
 Action Included Capping: Not reported
 Well Decommissioned: Not reported
 Action Included Fencing: Not reported
 Removal Action Certification: Not reported
 Activity Comments: Not reported
 For Commercial Reuse: 0
 For Industrial Reuse: 0
 For Residential Reuse: 0
 Unknown Type: 0
 Facility ID: 21490013
 Activity: SS
 Activity Name: SITE SCREENING
 AWP Code: Not reported
 Proposed Budget: 0
 AWP Completion Date: Not reported
 Revised Due Date: Not reported
 Comments Date: 12151989
 Est Person-Yrs to complete: 0
 Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: BKLG
 Definition of Status: BACKLOG - POTENTIAL AWP SITE
 Liquids Removed (Gals): 0
 Liquids Treated (Gals): 0
 Action Included Capping: Not reported
 Well Decommissioned: Not reported
 Action Included Fencing: Not reported
 Removal Action Certification: Not reported
 Activity Comments: Not reported
 For Commercial Reuse: 0
 For Industrial Reuse: 0
 For Residential Reuse: 0
 Unknown Type: 0
 Alternate Address: FOURTH AND A STREETS
 Alternate City,St,Zip: SAN RAFAEL, CA 94901
 Alternate Address: 4TH STREET BETWEEN A & B STREETS
 Alternate City,St,Zip: SAN RAFAEL, CA 94901
 Background Info: The PG&E San Rafael gas plant site operated from 1871 to 1875 and used the gasoline gas process to manufacture gas. The gasoline gas process reportedly did not generate any residues or wastes.
 Comments Date: 04121990
 Comments: Land ownership needs to be determined, 3rd party.
 Comments Date: 06141991
 Comments: DHS received US EPA Site Investigation Summary Report. EPA
 Comments Date: 06141991
 Comments: recommends No Further Action (09/06/89). DHS needs to determine
 Comments Date: 06141991
 Comments: site status. PG&E San Rafael site is not eligible for inclusion
 Comments Date: 06141991

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER MAXIM GAS PLANT OFFICE (Continued)

S102008370

Comments: on the NPL.
 Comments Date: 11091989
 Comments: Facility was identified from US EPA CERCLIS.
 Comments Date: 12151989
 Comments: Completed Site Screening. Site is pending US EPA review/action.
 ID Name: EPA IDENTIFICATION NUMBER
 ID Value: CAD981415953
 Alternate Name: PACIFIC GAS AND ELECTRIC COMPANYPG&ETOWN GAS PLANT- SAN RAFAEL #2PG &E - 4TH STREETPG & E 4TH STREET
 Special Programs Code: RCSP
 Special Programs Name: RURAL COUNTY SURVEY PROGRAM
 Special Programs Code: TOWN
 Special Programs Name: TOWN GAS

RESPONSE:

Facility ID: 21490013
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 1.4
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
 Project Manager: Not reported
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Site Code: Not reported
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 10
 Senate: 02
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 06/29/2010
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 37.973
 Longitude: -122.5288
 APN: NONE SPECIFIED
 Past Use: NONE
 Potential COC: NONE SPECIFIED,31000
 Confirmed COC: 31000-NO
 Potential Description: NMA
 Alias Name: PACIFIC GAS AND ELECTRIC COMPANY
 Alias Type: Alternate Name
 Alias Name: PG &E - 4TH STREET
 Alias Type: Alternate Name
 Alias Name: PG&E
 Alias Type: Alternate Name
 Alias Name: TOWN GAS PLANT- SAN RAFAEL #2
 Alias Type: Alternate Name
 Alias Name: CAD981415953
 Alias Type: EPA Identification Number
 Alias Name: 110033610581
 Alias Type: EPA (FRS #)
 Alias Name: 21490013
 Alias Type: Envirostor ID Number

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MAXIM GAS PLANT OFFICE (Continued)

S102008370

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 11/09/1989
 Comments: Facility was identified from US EPA CERCLIS.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: Completed Site Screening. Site is pending US EPA review/action.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 06/29/2010
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: State Response
 Site Type Detailed: State Response or NPL
 Acres: 1.4
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Facility ID: 21490013
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: Not reported
 Status: No Further Action
 Status Date: 06/29/2010
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 37.973
 Longitude: -122.5288
 APN: NONE SPECIFIED
 Past Use: NONE
 Potential COC: NONE SPECIFIED,31000
 Confirmed COC: 31000-NO
 Potential Description: NMA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER MAXIM GAS PLANT OFFICE (Continued)

S102008370

Alias Name: PACIFIC GAS AND ELECTRIC COMPANY
 Alias Type: Alternate Name
 Alias Name: PG &E - 4TH STREET
 Alias Type: Alternate Name
 Alias Name: PG&E
 Alias Type: Alternate Name
 Alias Name: TOWN GAS PLANT- SAN RAFAEL #2
 Alias Type: Alternate Name
 Alias Name: CAD981415953
 Alias Type: EPA Identification Number
 Alias Name: 110033610581
 Alias Type: EPA (FRS #)
 Alias Name: 21490013
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 11/09/1989
 Comments: Facility was identified from US EPA CERCLIS.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: Completed Site Screening. Site is pending US EPA review/action.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 06/29/2010
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

5

**FOODMART
 709 5TH AVE
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S102430095
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0222

LUST:

Region: STATE
 Global Id: T0604100211
 Latitude: 37.973082

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FOODMART (Continued)

S102430095

Longitude: -122.522956
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/03/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0222
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100211
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100211
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100211
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100211
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100211
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0222
 Facility Status: Case Closed
 Case Number: 21-0222

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FOODMART (Continued)

S102430095

How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 6/22/1994
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: 9/20/1994
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 1994
 Gepaid: CAC000900736
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 709 5TH AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD043260702
 TSD County: San Mateo
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 2.9190
 Facility County: Marin

Year: 1994
 Gepaid: CAC000900736
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 709 5TH AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 20.0000
 Facility County: Marin

6

**PG&E GAS PLANT SAN RAFAEL 104 5A
 4TH & A STS
 SAN RAFAEL, CA 94901**

**CERC-NFRAP 1003878930
 CAD981415953**

CERC-NFRAP:

Site ID: 0902395
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13051141.00000
 Person ID: 9271184.00000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E GAS PLANT SAN RAFAEL 104 5A (Continued)

1003878930

Contact Sequence ID: 13286785.00000
 Person ID: 13003854.00000

Contact Sequence ID: 13292380.00000
 Person ID: 13003858.00000

Contact Sequence ID: 13298238.00000
 Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
 Date Started: Not reported
 Date Completed: 06/01/1986
 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
 Date Started: Not reported
 Date Completed: 12/01/1987
 Priority Level: Low priority for further assessment

Action: SITE INSPECTION
 Date Started: Not reported
 Date Completed: 09/08/1989
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
 Date Started: Not reported
 Date Completed: 09/08/1989
 Priority Level: Not reported

7

**REDWOOD OIL COMPANY
 1320 2ND ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S104164050
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0114

LUST:

Region: STATE
 Global Id: T0604100107
 Latitude: 37.971628
 Longitude: -122.53054
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/07/2012
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0114
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S104164050

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100107
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100107
 Action Type: ENFORCEMENT
 Date: 09/13/1989
 Action: * Historical Enforcement

Global Id: T0604100107
 Action Type: ENFORCEMENT
 Date: 03/21/2011
 Action: 13267 Requirement

Global Id: T0604100107
 Action Type: ENFORCEMENT
 Date: 07/22/2009
 Action: File review

Global Id: T0604100107
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100107
 Action Type: RESPONSE
 Date: 09/22/1988
 Action: Other Report / Document

Global Id: T0604100107
 Action Type: RESPONSE
 Date: 02/24/1986
 Action: Correspondence

Global Id: T0604100107
 Action Type: RESPONSE
 Date: 04/19/1991
 Action: Other Report / Document

Global Id: T0604100107
 Action Type: RESPONSE
 Date: 10/01/1990
 Action: Conceptual Site Model

Global Id: T0604100107
 Action Type: RESPONSE
 Date: 02/12/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S104164050

Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	09/13/1990
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	10/10/1990
Action:	Preliminary Site Assessment Workplan - Addendum
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	07/27/1990
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	09/19/1989
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	08/14/1990
Action:	Other Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	05/20/1991
Action:	Other Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	06/20/1991
Action:	Correspondence
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	01/10/1992
Action:	Tank Removal Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	11/07/1990
Action:	Preliminary Site Assessment Workplan - Addendum
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	11/16/1990
Action:	Preliminary Site Assessment Workplan - Addendum
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	08/29/1990
Action:	Correspondence

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S104164050

Global Id:	T0604100107
Action Type:	RESPONSE
Date:	07/15/1991
Action:	Monitoring Report - Quarterly
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	02/25/1991
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	09/19/1991
Action:	Monitoring Report - Quarterly
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	06/29/1990
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	07/24/1990
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	09/17/1990
Action:	Other Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	07/02/1991
Action:	Correspondence
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	09/20/1990
Action:	Other Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	04/08/1991
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	10/30/1991
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	07/10/1990
Action:	Correspondence
Global Id:	T0604100107
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S104164050

Date:	10/02/1991
Action:	Conceptual Site Model
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	08/13/1990
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	02/13/1991
Action:	Unauthorized Release Form
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	08/01/1990
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	04/07/1991
Action:	Soil and Water Investigation Report
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	10/31/1991
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	09/18/1989
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	02/25/1991
Action:	Well Installation Workplan
Global Id:	T0604100107
Action Type:	ENFORCEMENT
Date:	10/26/2011
Action:	Notification - Fee Title Owners Notice
Global Id:	T0604100107
Action Type:	ENFORCEMENT
Date:	01/31/2008
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	06/17/2011
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	07/06/1991
Action:	Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S104164050

Global Id:	T0604100107
Action Type:	RESPONSE
Date:	06/19/1990
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	08/31/1990
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	02/09/1990
Action:	Soil and Water Investigation Report
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	03/11/1990
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	12/20/1991
Action:	Soil and Water Investigation Report
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	02/28/1991
Action:	Other Report / Document
Global Id:	T0604100107
Action Type:	RESPONSE
Date:	03/09/2011
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0604100107
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100107
Action Type:	ENFORCEMENT
Date:	12/18/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100107
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100107
Action Type:	ENFORCEMENT
Date:	08/20/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100107
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDWOOD OIL COMPANY (Continued)

S104164050

Date: 04/28/2011
 Action: Site Visit / Inspection / Sampling

 Global Id: T0604100107
 Action Type: ENFORCEMENT
 Date: 02/07/2012
 Action: Closure/No Further Action Letter

HAZNET:

Year: 2011
 Gepaid: CAL000283622
 Contact: JOHN WINNER
 Telephone: 6503335558
 Mailing Name: Not reported
 Mailing Address: 1045 AIRPORT BLVD
 Mailing City,St,Zip: SAN FRANCISCO, CA 940800000
 Gen County: Not reported
 TSD EPA ID: CAD028409019
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.075
 Facility County: Marin

7

**REDWOOD OIL COMPANY
 1320 2ND ST
 SAN RAFAEL, CA 94901**

**LUST U001599970
 HIST UST N/A
 SWEEPS UST
 HAZNET**

LUST REG 2:

Region: 2
 Facility Id: 21-0114
 Facility Status: Preliminary site assessment underway
 Case Number: 21-0114
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 2/27/1991
 Preliminary Site Assesment Began: 3/1/1991
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HIST UST:

Region: STATE
 Facility ID: 00000066061
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154531222
 Owner Name: REDWOOD OIL CO.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

U001599970

Owner Address: 1320 SECOND STREET
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1000
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: Unkown centimeters
 Leak Detection: Stock Inventor

SWEEPS UST:

Status: Active
 Comp Number: 66061
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1000
 Swrcb Tank Id: 21-028-066061-000001
 Actv Date: 06-20-91
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: 4

Status: Active
 Comp Number: 66061
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1000
 Swrcb Tank Id: 21-028-066061-000002
 Actv Date: 06-20-91
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 66061
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1000
 Swrcb Tank Id: 21-028-066061-000003

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDWOOD OIL COMPANY (Continued)

U001599970

Actv Date: 06-20-91
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 66061
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1000
 Swrcb Tank Id: 21-028-066061-000004
 Actv Date: 06-20-91
 Capacity: 6300
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

HAZNET:

Year: 2009
 Gepaid: CAC002645879
 Contact: ROBERT POQUEZ
 Telephone: 4154828135
 Mailing Name: Not reported
 Mailing Address: 1320 2ND ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013829
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: Contra Costa
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Not reported
 Tons: 0.5
 Facility County: Marin

Year: 2009
 Gepaid: CAC002645879
 Contact: ROBERT POQUEZ
 Telephone: 4154828135
 Mailing Name: Not reported
 Mailing Address: 1320 2ND ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013829
 Gen County: Marin
 TSD EPA ID: CAD044003556
 TSD County: Yolo
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 2.7105
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**7 BRIDGE HOUSING CORP
 UNKNOWN 3RD ST & C ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S101307518
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0014

LUST:

Region: STATE
 Global Id: T0604100014
 Latitude: 37.9724
 Longitude: -122.53
 Case Type: LUST Cleanup Site
 Status: Open - Inactive
 Status Date: 02/04/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: UUU
 Local Agency: Not reported
 RB Case Number: 21-0014
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100014
 Contact Type: Regional Board Caseworker
 Contact Name: Regional Board (RB2)
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST SUITE 1400
 City: OAKLAND
 Email: Not reported
 Phone Number: Not reported

LUST:

Global Id: T0604100014
 Action Type: ENFORCEMENT
 Date: 01/12/2012
 Action: File review

Global Id: T0604100014
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100014
 Action Type: ENFORCEMENT
 Date: 07/22/2009
 Action: File review

Global Id: T0604100014
 Action Type: Other
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BRIDGE HOUSING CORP (Continued)

S101307518

Action: Leak Reported
 Global Id: T0604100014
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0014
 Facility Status: Leak being confirmed
 Case Number: 21-0014
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 9/20/1991
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

7

**DUFFY BROTHERS GARAGE
 855 C ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102428981
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0042

LUST:

Region: STATE
 Global Id: T0604100041
 Latitude: 37.972048
 Longitude: -122.531385
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/08/1992
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0042
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100041

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DUFFY BROTHERS GARAGE (Continued)

S102428981

Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported
Global Id:	T0604100041
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN JANG
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	jjang@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100041
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100041
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100041
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0042
Facility Status:	Case Closed
Case Number:	95
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assessment Workplan Submitted:	4/6/1991
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

7 **MCPHAIL'S INC**
917 C
SAN RAFAEL, CA 94901

HIST CORTESE **S102433233**
LUST **N/A**

CORTESE:
 Region: **CORTESE**
 Facility County Code: **21**
 Reg By: **LTNKA**
 Reg Id: **21-0077**

LUST:
 Region: **STATE**
 Global Id: **T0604100074**
 Latitude: **37.972669**
 Longitude: **-122.530073**
 Case Type: **LUST Cleanup Site**
 Status: **Completed - Case Closed**
 Status Date: **09/15/1995**
 Lead Agency: **SAN FRANCISCO BAY RWQCB (REGION 2)**
 Case Worker: **JMJ**
 Local Agency: **Not reported**
 RB Case Number: **21-0077**
 LOC Case Number: **Not reported**
 File Location: **Not reported**
 Potential Media Affect: **Other Groundwater (uses other than drinking water)**
 Potential Contaminants of Concern: **Diesel**
 Site History: **Not reported**

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
 Global Id: **T0604100074**
 Contact Type: **Local Agency Caseworker**
 Contact Name: **BRADLEY R. MARK**
 Organization Name: **SAN RAFAEL, CITY OF**
 Address: **1039 C STREET**
 City: **SAN RAFAEL**
 Email: **brad.mark@ci.san-rafael.ca.us**
 Phone Number: **Not reported**

Global Id: **T0604100074**
 Contact Type: **Regional Board Caseworker**
 Contact Name: **JOHN JANG**
 Organization Name: **SAN FRANCISCO BAY RWQCB (REGION 2)**
 Address: **1515 CLAY STREET, SUITE 1400**
 City: **OAKLAND**
 Email: **jjang@waterboards.ca.gov**
 Phone Number: **Not reported**

LUST:
 Global Id: **T0604100074**
 Action Type: **Other**
 Date: **01/01/1950**
 Action: **Leak Discovery**

Global Id: **T0604100074**
 Action Type: **Other**
 Date: **01/01/1950**
 Action: **Leak Reported**

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MCPHAIL'S INC (Continued)

S102433233

Global Id: T0604100074
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0077
 Facility Status: Case Closed
 Case Number: 21-0077
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: 3/4/1992
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

8

**ALLIANCE
 UNKNOWN 4TH & LINCOLN
 SAN RAFAEL, CA 94901**

**HIST CORTESE S104233828
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0005

LUST:

Region: STATE
 Global Id: T0604100005
 Latitude: 37.9725
 Longitude: -122.5227
 Case Type: LUST Cleanup Site
 Status: Open - Inactive
 Status Date: 02/05/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: UUU
 Local Agency: Not reported
 RB Case Number: 21-0005
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100005
 Contact Type: Regional Board Caseworker
 Contact Name: Regional Board (RB2)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ALLIANCE (Continued)

S104233828

Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST SUITE 1400
 City: OAKLAND
 Email: Not reported
 Phone Number: Not reported

LUST:

Global Id: T0604100005
 Action Type: ENFORCEMENT
 Date: 01/12/2012
 Action: File review

Global Id: T0604100005
 Action Type: ENFORCEMENT
 Date: 05/13/2009
 Action: File review

Global Id: T0604100005
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100005
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100005
 Action Type: ENFORCEMENT
 Date: 02/04/2009
 Action: File review

Global Id: T0604100005
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100005
 Action Type: ENFORCEMENT
 Date: 03/26/2009
 Action: Site Visit / Inspection / Sampling

LUST REG 2:

Region: 2
 Facility Id: 21-0005
 Facility Status: Leak being confirmed
 Case Number: 21-27
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 1/5/1995
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ALLIANCE (Continued)

S104233828

Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

**8 FORMER CHEVRON STATION
 729 4TH ST
 SAN RAFAEL, CA 94901**

**LUST S105030608
 N/A**

LUST REG 2:
 Region: 2
 Facility Id: 21-0032
 Facility Status: Case Closed
 Case Number: 210032
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: 1/16/1989
 Pollution Characterization Began: 4/28/1990
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

**8 FORMER CHEVRON STATION
 729 4TH ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S110060591
 LUST N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0032

LUST:
 Region: STATE
 Global Id: T0604100031
 Latitude: 37.972322
 Longitude: -122.523468
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/31/1997
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0032
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER CHEVRON STATION (Continued)

S110060591

Global Id:	T0604100031
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported
Global Id:	T0604100031
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN JANG
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	jjang@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100031
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100031
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100031
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

8

90085
729 4TH ST
SAN RAFAEL, CA 94901

HIST UST U001599912
N/A

HIST UST:

Region:	STATE
Facility ID:	00000061711
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	MERRITT, A J
Telephone:	4154599967
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City, St, Zip:	SAN FRANCISCO, CA 94105
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

90085 (Continued)

U001599912

Tank Construction: 0000250 unknown
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: 0000250 unknown
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: 0000250 unknown
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: 4
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 0000250 unknown
 Leak Detection: Stock Inventor

**8 D&S GARAGE INC
 718 4TH ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599929
 HAZNET N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000002088
 Facility Type: Other
 Other Type: AUTO REPAIR
 Total Tanks: 0002
 Contact Name: RICHARD SCETRINI
 Telephone: 4154531420
 Owner Name: D&S GARAGE INC
 Owner Address: 718 FOURTH ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

D&S GARAGE INC (Continued)

U001599929

Tank Capacity: 00001000
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: None

HAZNET:

Year: 2007
 Gepaid: CAD981693039
 Contact: SCETRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.19
 Facility County: Marin

Year: 2006
 Gepaid: CAD981693039
 Contact: SCETRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Marin

Year: 2005
 Gepaid: CAD981693039
 Contact: SCETRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.02
 Facility County: Not reported

Year: 2004
 Gepaid: CAD981693039
 Contact: SCETRINI RICHARD
 Telephone: 4154531420

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

U001599929

Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.02
 Facility County: Not reported

8

**D&S GARAGE INC
 718 4TH ST
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000115073
 FINDS CAD981693039
 HIST CORTESE
 LUST
 HIST UST
 HAZNET
 EMI**

RCRA NonGen / NLR:

Date form received by agency: 06/21/2007
 Facility name: D AND S GARAGE INC D*
 Facility address: 718 4TH ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981693039
 Mailing address: 3767 BOULDER POINT PL
 SANTA ROSA, CA 95404
 Contact: VIRGINIA O NEILL
 Contact address: 3767 BOULDER POINT PL
 SANTA ROSA, CA 95404
 Contact country: US
 Contact telephone: 707-526-4522
 Contact email: Not reported
 EPA Region: 09
 Land type: Facility is not located on Indian land. Additional information is not known.
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

1000115073

Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
 Facility name: D AND S GARAGE INC D*
 Site name: D&S GARAGE INC
 Classification: Small Quantity Generator

Date form received by agency: 12/16/1986
 Facility name: D AND S GARAGE INC D*
 Site name: D&S GARAGE INC
 Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
 Area of violation: Generators - Manifest
 Date violation determined: 03/16/1988
 Date achieved compliance: 03/16/1988
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 06/29/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 03/16/1988
 Date achieved compliance: 03/16/1988
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 06/29/1988
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 03/16/1988
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 03/16/1988
 Evaluation lead agency: State

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

1000115073

Evaluation date: 03/16/1988
 Evaluation: FOCUSED COMPLIANCE INSPECTION
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 03/16/1988
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - Manifest
 Date achieved compliance: 03/16/1988
 Evaluation lead agency: State

FINDS:

Registry ID: 110002755126

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0038

LUST:

Region: STATE
 Global Id: T0604100037
 Latitude: 37.9725593
 Longitude: -122.5230466
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/13/2007
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0038
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

D&S GARAGE INC (Continued)

1000115073

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100037
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100037
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100037
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100037
 Action Type: RESPONSE
 Date: 12/09/1988
 Action: Other Report / Document

Global Id: T0604100037
 Action Type: ENFORCEMENT
 Date: 01/04/2007
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100037
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100037
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100037
 Action Type: ENFORCEMENT
 Date: 11/13/2007
 Action: Closure/No Further Action Letter

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

1000115073

LUST REG 2:

Region: 2
 Facility Id: 21-0038
 Facility Status: Preliminary site assessment workplan submitted
 Case Number: 6
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 12/13/1989
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HIST UST:

Region: STATE
 Facility ID: 00000067743
 Facility Type: Other
 Other Type: AUTO REPAIR
 Total Tanks: 0001
 Contact Name: RICHARD SCETTRINI
 Telephone: 4154531420
 Owner Name: D & S GARAGE INC.
 Owner Address: 718 FOURTH ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000250
 Tank Used for: WASTE
 Type of Fuel: 5
 Tank Construction: Unknown centimeters
 Leak Detection: None

HAZNET:

Year: 2003
 Gepaid: CAD981693039
 Contact: SCETTRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.09
 Facility County: Marin

 Year: 2003
 Gepaid: CAD981693039

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

1000115073

Contact: SCETRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.13
 Facility County: Marin

Year: 2002
 Gepaid: CAD981693039
 Contact: SCETRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sonoma
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.04
 Facility County: Not reported

Year: 2002
 Gepaid: CAD981693039
 Contact: SCETRINI RICHARD
 Telephone: 4154531420
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.04
 Facility County: Not reported

Year: 2000
 Gepaid: CAD981693039
 Contact: D & S GARAGE INC
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 718 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: .0832
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

1000115073

[Click this hyperlink](#) while viewing on your computer to access
 11 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1993
County Code:	21
Air Basin:	SF
Facility ID:	7945
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

Year:	1996
County Code:	21
Air Basin:	SF
Facility ID:	7945
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

Year:	1997
County Code:	21
Air Basin:	SF
Facility ID:	7945
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

Year:	1998
County Code:	21

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

D&S GARAGE INC (Continued)

1000115073

Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

D&S GARAGE INC (Continued)

1000115073

Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002
 County Code: 21
 Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004
 County Code: 21
 Air Basin: SF
 Facility ID: 7945
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.113
 Reactive Organic Gases Tons/Yr: 0.0913208
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)Site	Database(s)	EPA ID Number

D&S GARAGE INC (Continued)

1000115073

Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

8

**5TH & LINCOLN REDWOOD OIL
 1011 LINCOLN ST
 SAN RAFAEL, CA 94901**

**CA FID UST S101588471
 SWEEPS UST N/A**

CA FID UST:

Facility ID: 21000129
 Regulated By: UTKNI
 Regulated ID: 00000196
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154599500
 Mail To: Not reported
 Mailing Address: 1320 002ND ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

SWEEPS UST:

Status: Not reported
 Comp Number: 196
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-000196-000001
 Actv Date: Not reported
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: 3

Status: Not reported
 Comp Number: 196
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-000196-000002
 Actv Date: Not reported
 Capacity: 12000
 Tank Use: M.V. FUEL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

5TH & LINCOLN REDWOOD OIL (Continued)

S101588471

Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: Not reported

 Status: Not reported
 Comp Number: 196
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-000196-000003
 Actv Date: Not reported
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: Not reported

8

**ASIAN MARKET
 1011 LINCOLN AVENUE
 SAN RAFAEL, CA 92691**

**Notify 65 S100179479
 N/A**

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

8

**REDWOOD OIL COMPANY
 1011 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102435760
 LUST N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0116

 LUST:
 Region: STATE
 Global Id: T0604100109
 Latitude: 37.97322428
 Longitude: -122.52395705
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/21/2006
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0116
 LOC Case Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDWOOD OIL COMPANY (Continued)

S102435760

File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100109
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100109
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100109
 Action Type: ENFORCEMENT
 Date: 12/14/2000
 Action: Letter - Notice

Global Id: T0604100109
 Action Type: ENFORCEMENT
 Date: 07/12/1999
 Action: Letter - Notice

Global Id: T0604100109
 Action Type: ENFORCEMENT
 Date: 08/31/2006
 Action: 13267 Requirement

Global Id: T0604100109
 Action Type: ENFORCEMENT
 Date: 03/17/2006
 Action: * Verbal Communication

Global Id: T0604100109
 Action Type: ENFORCEMENT
 Date: 10/19/1992
 Action: Letter - Notice

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 12/01/2006
 Action: Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id:	T0604100109
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/26/1999
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/04/2003
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/23/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/19/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/31/1991
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/05/1990
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/21/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	07/13/2005
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/26/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/16/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDWOOD OIL COMPANY (Continued)

S102435760

Date:	03/13/1992
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/03/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	01/24/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/13/1992
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/09/1991
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/01/1989
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	07/05/1991
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/29/1992
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/06/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/19/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/15/2003
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/20/1989
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 06/12/1992
 Action: Soil and Water Investigation Report

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/02/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 07/13/1990
 Action: Other Workplan

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/06/1998
 Action: Correspondence

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 02/14/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/06/1998
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/22/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 08/18/1999
 Action: Sensitive Receptor Survey Report

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/01/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/09/1990
 Action: Unauthorized Release Form

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/03/1992
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Date:	06/27/2005
Action:	Request for Closure
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/27/1999
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/15/2003
Action:	Monitoring Report - Other
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/22/1999
Action:	Monitoring Report - Other
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/08/2001
Action:	Monitoring Report - Other
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/05/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/31/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/21/2005
Action:	Request for Closure
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/11/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/25/2005
Action:	Request for Closure
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/28/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/28/1991
Action:	Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/15/1991
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/01/1990
Action:	Conceptual Site Model
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/30/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/22/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/14/1989
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	07/20/2005
Action:	Request for Closure
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	07/17/1998
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/10/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/10/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/17/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/31/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Date: 07/10/1989
 Action: Preliminary Site Assessment Workplan - Addendum

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 07/29/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 11/06/1990
 Action: Soil and Water Investigation Report

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/18/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 12/14/2005
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/25/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 08/16/1989
 Action: Other Workplan

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Conceptual Site Model

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/11/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 06/26/1999
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 07/27/2005
 Action: Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/31/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/25/2005
Action:	Request for Closure
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/09/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/10/1991
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/28/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/03/1991
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/08/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/28/1990
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	12/22/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/10/1992
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/31/1991
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Date:	01/07/1992
Action:	Soil and Water Investigation Report
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	01/25/1991
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/31/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	01/29/2004
Action:	Monitoring Report - Annually
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/08/2005
Action:	Monitoring Report - Annually
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/14/1986
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/21/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/25/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/01/1989
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/31/1997
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/18/1988
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 08/07/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 11/20/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 10/03/1989
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 02/12/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 09/13/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 11/15/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 06/26/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 11/22/1989
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 10/31/2003
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Date: 07/02/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 05/22/1991
 Action: Soil and Water Investigation Report

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 05/10/1989
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 06/09/1989
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/16/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 03/01/1991
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 10/02/1997
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 06/17/1997
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 05/22/1989
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 10/04/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 10/14/1998
 Action: Monitoring Report - Other

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 07/27/1998
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 07/02/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 11/20/1990
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 09/22/1999
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/25/1999
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 07/02/1997
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/26/1998
 Action: Monitoring Report - Other

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 09/10/2003
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 09/21/1989
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100109
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Date:	12/03/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	06/23/2010
Action:	Referral to Other State Agency
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/22/1998
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/25/1998
Action:	Monitoring Report - Other
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	11/21/1986
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/19/2002
Action:	Monitoring Report - Other
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/03/1997
Action:	Monitoring Report - Other
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	03/06/1998
Action:	Correspondence
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/05/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/26/1989
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/25/1997
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id:	T0604100109
Action Type:	RESPONSE
Date:	10/08/1991
Action:	Soil Vapor Intrusion Investigation Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	02/11/1991
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	08/31/1990
Action:	Other Workplan
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/11/1990
Action:	Preliminary Site Assessment Workplan - Addendum
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	05/22/1997
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	09/14/1992
Action:	Monitoring Report - Quarterly
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	04/03/1997
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	RESPONSE
Date:	06/19/1990
Action:	Other Report / Document
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	07/13/2005
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	02/15/2006
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	12/15/2005
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDWOOD OIL COMPANY (Continued)

S102435760

Date:	02/21/2006
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	03/21/2006
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	03/23/2006
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	07/12/2005
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	12/14/2005
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	01/30/2005
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	12/29/2005
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	01/30/2006
Action:	* Verbal Communication
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	12/21/2006
Action:	Closure/No Further Action Letter
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	09/29/2003
Action:	Letter - Notice
Global Id:	T0604100109
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	03/08/1990
Action:	Letter - Notice

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDWOOD OIL COMPANY (Continued)

S102435760

Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	08/18/2003
Action:	Letter - Notice
Global Id:	T0604100109
Action Type:	ENFORCEMENT
Date:	09/15/2003
Action:	* Corrective Action Orders
Global Id:	T0604100109
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0116
Facility Status:	Remedial action (cleanup) Underway
Case Number:	29
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Piping
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assessment Workplan Submitted:	9/14/1989
Preliminary Site Assessment Began:	7/1/1994
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	12/13/1994
Date Post Remedial Action Monitoring Began:	Not reported

8

**5TH & LINCOLN
 1011 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599911
 N/A**

HIST UST:

Region:	STATE
Facility ID:	00000000196
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	Not reported
Telephone:	4154599500
Owner Name:	REDWOOD OIL COMPANY, INC.
Owner Address:	1320 SECOND STREET
Owner City,St,Zip:	SAN RAFAEL, CA 94901

Tank Num:	001
Container Num:	45
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

5TH & LINCOLN (Continued)

U001599911

Tank Num: 002
 Container Num: 46
 Year Installed: Not reported
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 47
 Year Installed: Not reported
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

8

**TOM SCAHILL INC SYS AUTO REPAIR
 1012 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000103344
 FINDS CAD981678527**

RCRA-SQG:

Date form received by agency: 05/10/1995
 Facility name: TOM SCAHILL INC SYS AUTO REPAIR
 Facility address: 1012 LINCOLN AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD981678527
 Mailing address: 1012 LINCOLN ST
 SAN RAFAEL, CA 94901
 Contact: ENZO STILLITANO
 Contact address: 1012 LINCOLN AVE
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-4736
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ENZO STILLITANO
 Owner/operator address: 42 CREEKSIDE CT
 CORTE MADERA, CA 94925
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 927-1181
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOM SCAHILL INC SYS AUTO REPAIR (Continued)

1000103344

NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002748215

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

9

**1221 3RD STREET
 SAN RAFAEL, CA 92691**

**Notify 65 S100179550
 N/A**

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**9 EXXON MURRAY TRUST
 1221 3RD
 SAN RAFAEL, CA**

**HIST CORTESE
 LUST S104396818
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0092

LUST:

Region: STATE
 Global Id: T0604100089
 Latitude: 37.972355
 Longitude: -122.5303222
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/13/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0092
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100089
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100089
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100089
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100089
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

EXXON MURRAY TRUST (Continued)

S104396818

Global Id: T0604100089
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0092
 Facility Status: Case Closed
 Case Number: 21-64
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 6/19/1990
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

10

**MISSION SQUARE OFFICE BUILDING
 1007 3RD ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 SLIC**

**S101307514
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0081

LUST REG 2:

Region: 2
 Facility Id: 21-0081
 Facility Status: Leak being confirmed
 Case Number: 21-0081
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 9/15/1988
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 09/29/2005
 Global Id: T0604100078
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MISSION SQUARE OFFICE BUILDING (Continued)

S101307514

Lead Agency Case Number: Not reported
 Latitude: 37.9721155
 Longitude: -122.5279568
 Case Type: Cleanup Program Site
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0081
 File Location: Not reported
 Potential Media Affected: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

10

**PG&E - MGP - SAN RAFAEL
 THIRD ST AND BROOKS AVE
 SAN RAFAEL, CA**

**SLIC S106234948
 N/A**

SLIC:

Region: STATE
Facility Status: Open - Remediation
 Status Date: 06/15/2009
 Global Id: SL20212830
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: 21490015
 Latitude: 37.9702016038521
 Longitude: -122.525346279144
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21S0002
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: Not reported
 Site History: DTSC involved with site, WDR No. 85-80. For more info see DTSC's web site - environstor, case 21490015

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 2:

Region: 2
 Facility ID: 21S0002
 Facility Status: Not reported
 Date Closed: Not reported
 Local Case #: Not reported
 How Discovered: UNK
 Leak Cause: Not reported
 Leak Source: Not reported
 Date Confirmed: Not reported
 Date Prelim Site Assmnt Workplan Submitted: Not reported
 Date Preliminary Site Assessment Began: Not reported
 Date Pollution Characterization Began: Not reported
 Date Remediation Plan Submitted: Not reported
 Date Remedial Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**10 MOBIL
 1101 3RD ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S101307515
 LUST N/A
 DRYCLEANERS**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0167

LUST:

Region: STATE
 Global Id: T0604100158
 Latitude: 37.9720242527166
 Longitude: -122.528602480888
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/05/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0167
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Benzene, Tetrachloroethylene (PCE), Gasoline
 Site History: Well resampled in 2008, low detections, close case in 2009.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100158
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100158
 Action Type: ENFORCEMENT
 Date: 03/05/2009
 Action: Closure/No Further Action Letter

Global Id: T0604100158
 Action Type: ENFORCEMENT
 Date: 01/31/2008
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100158
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100158
 Action Type: REMEDIATION
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MOBIL (Continued)

S101307515

Action:	Excavation
Global Id:	T0604100158
Action Type:	ENFORCEMENT
Date:	07/08/2008
Action:	13267 Monitoring Program
Global Id:	T0604100158
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100158
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100158
Action Type:	RESPONSE
Date:	09/26/2008
Action:	Monitoring Report - Other

LUST REG 2:

Region:	2
Facility Id:	21-0167
Facility Status:	Preliminary site assessment workplan submitted
Case Number:	72
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	11/6/1992
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

DRYCLEANERS:

EPA Id:	CAL000169522
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/12/1997
Facility Active:	No
Inactive Date:	06/30/2007
Facility Addr2:	Not reported
Owner Name:	BARBARA OWENS
Owner Address:	747 B STREET #3
Owner Address 2:	Not reported
Owner Telephone:	4157212290
Contact Name:	BARBARA OWENS, SECY
Contact Address:	747 B STREET 1ST FLOOR

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MOBIL (Continued)

S101307515

Contact Address 2: Not reported
 Contact Telephone: 4157212290

EPA Id: CAL000323462
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 08/13/2007
 Facility Active: Yes
 Inactive Date: Not reported
 Facility Addr2: Not reported
 Owner Name: ANDREW CHA
 Owner Address: 1101 3RD ST
 Owner Address 2: Not reported
 Owner Telephone: 5109081483
 Contact Name: ANDREW CHA
 Contact Address: 1101 3RD ST
 Contact Address 2: Not reported
 Contact Telephone: 5109081483

10

**COMMERCIAL BUILDING
 1115 3RD ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST**

**S102428235
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0302

LUST:

Region: STATE
 Global Id: T0604100284
 Latitude: 37.971995
 Longitude: -122.528991
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/06/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0302
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100284
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

COMMERCIAL BUILDING (Continued)

S102428235

Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

 Global Id: T0604100284
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100284
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100284
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100284
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0302
 Facility Status: Case Closed
 Case Number: 21-0302
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

11

**CHEVRON GAS STATION
 475 003RD ST
 SAN RAFAEL, CA 94901**

**CA FID UST S101588530
 SWEEPS UST N/A**

CA FID UST:

Facility ID: 21001792
 Regulated By: UTNKA
 Regulated ID: 00062900
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154599964

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON GAS STATION (Continued)

S101588530

Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 62900
 Number: 2
 Board Of Equalization: 44-031913
 Referral Date: 12-29-92
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-062900-000001
 Actv Date: 12-29-92
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 4

Status: Active
 Comp Number: 62900
 Number: 2
 Board Of Equalization: 44-031913
 Referral Date: 12-29-92
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2
 Swrcb Tank Id: 21-028-062900-000002
 Actv Date: 12-29-92
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: PRM UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 62900
 Number: 2
 Board Of Equalization: 44-031913
 Referral Date: 12-29-92
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 3
 Swrcb Tank Id: 21-028-062900-000003

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON GAS STATION (Continued)

S101588530

Actv Date: 12-29-92
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: P
 Content: PRM UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 62900
 Number: 2
 Board Of Equalization: 44-031913
 Referral Date: 12-29-92
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 4
 Swrcb Tank Id: 21-028-062900-000004
 Actv Date: 09-26-91
 Capacity: 1000
 Tank Use: UNKNOWN
 Stg: W
 Content: Not reported
 Number Of Tanks: Not reported

11

**SUPERFINE CLEANERS
 510 3RD ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000214776
 FINDS CAD981632300
 HAZNET**

RCRA-SQG:

Date form received by agency: 10/14/1992
 Facility name: SUPERFINE CLEANERS
 Facility address: 510 3RD ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981632300
 Contact: KWANG BALDWIN
 Contact address: 510 3RD ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 453-3430
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BALDWIN KWANG
 Owner/operator address: 510 3RD ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 453-3430
 Legal status: Private
 Owner/Operator Type: Owner

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SUPERFINE CLEANERS (Continued)

1000214776

Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/03/2000
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001154330

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SUPERFINE CLEANERS (Continued)

1000214776

HAZNET:

Year: 2005
 Gepaid: CAD981632300
 Contact: --
 Telephone: 7144533450
 Mailing Name: Not reported
 Mailing Address: 510 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013307
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.58
 Facility County: Not reported

Year: 2004
 Gepaid: CAD981632300
 Contact: --
 Telephone: 7144533450
 Mailing Name: Not reported
 Mailing Address: 510 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013307
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.58
 Facility County: Not reported

Year: 2003
 Gepaid: CAD981632300
 Contact: Not reported
 Telephone: 0
 Mailing Name: Not reported
 Mailing Address: 510 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013307
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.78
 Facility County: Marin

Year: 2003
 Gepaid: CAD981632300
 Contact: Not reported
 Telephone: 0
 Mailing Name: Not reported
 Mailing Address: 510 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013307
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SUPERFINE CLEANERS (Continued)

1000214776

Disposal Method: Transfer Station
 Tons: 0.19
 Facility County: Marin

 Year: 2002
 Gepaid: CAD981632300
 Contact: --
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 510 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013307
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.55
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 15 additional CA_HAZNET: record(s) in the EDR Site Report.

11

**DOHS-MARIN CO
 920 GRAND AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000376379
 FINDS CAD981403314**

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: DOHS-MARIN CO
 Facility address: 920 GRAND AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD981403314
 Mailing address: 714 P STREET
 SACRAMENTO, CA 95814
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: STATE OF CALIFORNIA
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: State
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DOHS-MARIN CO (Continued)

1000376379

Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: State
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 05/16/1986
 Facility name: DOHS-MARIN CO
 Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008267614

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

11	MAGNIFICENT CLEANERS 977 GRAND AVE SAN RAFAEL, CA 94901	RCRA-SQG FINDS DRYCLEANERS HAZNET EMI	1000985008 CAR000001172
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RCRA-SQG:

Date form received by agency: 03/08/1995

Facility name: MAGNIFICENT CLEANERS

Facility address: 977 GRAND AVE
SAN RAFAEL, CA 94901

EPA ID: CAR000001172

Mailing address: GRAND AVE
SAN RAFAEL, CA 94901

Contact: ALEX NGO

Contact address: 977 GRAND AVE
SAN RAFAEL, CA 94901

Contact country: US

Contact telephone: (415) 459-1873

Contact email: Not reported

EPA Region: 09

Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: VALENTINO

Owner/operator address: 3 TIMOTHY CT
NOVATO, CA 94949

Owner/operator country: Not reported

Owner/operator telephone: (415) 883-3965

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Violation Status: No violations found

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAGNIFICENT CLEANERS (Continued)

1000985008

Evaluation Action Summary:

Evaluation date: 06/02/2003
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002904901

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

DRYCLEANERS:

EPA Id: CAR000001172
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 12/08/1995
 Facility Active: Yes
 Inactive Date: Not reported
 Facility Addr2: Not reported
 Owner Name: MAGNIFICENT CLEANERS
 Owner Address: 977 GRAND AVE
 Owner Address 2: Not reported
 Owner Telephone: 4154591873
 Contact Name: JESSICA NGO CEO
 Contact Address: 3665 KERNER BLVD #B
 Contact Address 2: Not reported
 Contact Telephone: 4154591873

HAZNET:

Year: 2005
 Gepaid: CAR000001172
 Contact: ENV MGR
 Telephone: 7077621138
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAGNIFICENT CLEANERS (Continued)

1000985008

Mailing Address: 977 GRAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.29
 Facility County: Not reported

Year: 2004
 Gepaid: CAR000001172
 Contact: ENV MGR
 Telephone: 7077621138
 Mailing Name: Not reported
 Mailing Address: 977 GRAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.29
 Facility County: Not reported

Year: 2003
 Gepaid: CAR000001172
 Contact: ENV MGR
 Telephone: 7077621138
 Mailing Name: Not reported
 Mailing Address: 977 GRAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.58
 Facility County: Marin

Year: 2002
 Gepaid: CAR000001172
 Contact: TAI NGO
 Telephone: 4154591873
 Mailing Name: Not reported
 Mailing Address: 503 GREENWICH ST
 Mailing City,St,Zip: PETALUMA, CA 949543560
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.37
 Facility County: Not reported

Year: 2002
 Gepaid: CAR000001172

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAGNIFICENT CLEANERS (Continued)

1000985008

Contact: TAI NGO
 Telephone: 4154591873
 Mailing Name: Not reported
 Mailing Address: 503 GREENWICH ST
 Mailing City,St,Zip: PETALUMA, CA 949543560
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Not reported
 Tons: 0.19
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 17 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1995
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAGNIFICENT CLEANERS (Continued)

1000985008

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAGNIFICENT CLEANERS (Continued)

1000985008

NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAGNIFICENT CLEANERS (Continued)

1000985008

County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.121
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2006
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .135
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 9698
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAGNIFICENT CLEANERS (Continued)

1000985008

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.027
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2007
County Code:	21
Air Basin:	SF
Facility ID:	9698
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.027
Reactive Organic Gases Tons/Yr:	.0188622
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

11

**FORMER COUNTY GARAGE
 519 4TH ST
 SAN RAFAEL, CA 94901**

**LUST S104396819
 N/A**

LUST REG 2:

Region:	2
Facility Id:	21-0146
Facility Status:	Preliminary site assessment underway
Case Number:	32
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	12/19/1994
Preliminary Site Assesment Began:	3/21/1997
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**11 FORMER COUNTY GARAGE
 519 4TH ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST S102428422
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0146

LUST:

Region: STATE
 Global Id: T0604100138
 Latitude: 37.971918531861
 Longitude: -122.519702911377
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/28/2010
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0146
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100138
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 03/03/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 03/13/2008
 Action: 13267 Requirement

Global Id: T0604100138
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 12/19/2006

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER COUNTY GARAGE (Continued)

S102428422

Action: 13267 Monitoring Program

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 03/11/2008
 Action: Meeting

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 06/19/2009
 Action: Soil and Water Investigation Report

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 08/01/2011
 Action: Correspondence

Global Id: T0604100138
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavation

Global Id: T0604100138
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 09/25/2008
 Action: 13267 Requirement

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 05/21/2007
 Action: Other Report / Document

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 10/15/2008
 Action: Soil and Water Investigation Report

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 03/02/2009
 Action: 13267 Requirement

Global Id: T0604100138
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 06/02/2028
 Action: Other Workplan

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER COUNTY GARAGE (Continued)

S102428422

Global Id: T0604100138
 Action Type: RESPONSE
 Date: 12/05/2008
 Action: Soil and Water Investigation Workplan

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 08/01/2008
 Action: 13267 Requirement

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 01/28/2010
 Action: Closure/No Further Action Letter

Global Id: T0604100138
 Action Type: ENFORCEMENT
 Date: 08/07/2008
 Action: Site Visit / Inspection / Sampling

11 **SAN RAFAEL GARAGE**
519 FOURTH ST.
SAN RAFAEL, CA 94903

UST U003982201
N/A

MARIN CO. UST:
 Facility Id: Not reported
 Tank Number: Not reported
 Tank Status: Not reported
 Tank Contents: Not reported
 Tank Use: Not reported
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: UST
 Location: Closed Drawer
 Pulled Date: 1/8/1988
 Reason: Not reported

11 **MARIN CLEANERS**
520 4TH STREET
SAN RAFAEL, CA 94901

SLIC S100939533
DRYCLEANERS N/A
HAZNET
EMI

SLIC:
 Region: STATE
Facility Status: Open - Site Assessment
 Status Date: 12/10/2007
 Global Id: SL0604153651
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.9723541008076
 Longitude: -122.519783377647
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

MARIN CLEANERS (Continued)

S100939533

RB Case Number: 21S0051
 File Location: Regional Board
 Potential Media Affected: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
 Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE)
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

DRYCLEANERS:

EPA Id: CAD981582372
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 04/10/1987
 Facility Active: No
 Inactive Date: 06/30/2001
 Facility Addr2: Not reported
 Owner Name: GARY CASASSA
 Owner Address: 700 A STREET
 Owner Address 2: Not reported
 Owner Telephone: 4154535841
 Contact Name: WILLIAM CASASSA
 Contact Address: INACTIVE PER VQ01 - BMI
 Contact Address 2: Not reported
 Contact Telephone: 4154544792

EPA Id: CAL000331816
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 04/18/2008
 Facility Active: No
 Inactive Date: 06/30/2010
 Facility Addr2: Not reported
 Owner Name: MARIN CLEANERS INC
 Owner Address: 700 A ST
 Owner Address 2: Not reported
 Owner Telephone: 4154535841
 Contact Name: WILLIAM CASASSA
 Contact Address: 700 A ST
 Contact Address 2: Not reported
 Contact Telephone: 4154535847

HAZNET:

Year: 2008
 Gepaid: CAL000331816
 Contact: WILLIAM CASASSA
 Telephone: 4154535847
 Mailing Name: Not reported
 Mailing Address: 700 A ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013923
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN CLEANERS (Continued)

S100939533

TSD EPA ID: NVT330010000
 TSD County: 99
 Waste Category: Contaminated soil from site clean-up
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 0.05
 Facility County: Marin

Year: 2000
 Gepaid: CAD981582372
 Contact: GARY CASASSA
 Telephone: 4154535841
 Mailing Name: Not reported
 Mailing Address: 700 A STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin

TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: .2925
 Facility County: Marin

Year: 2000
 Gepaid: CAD981582372
 Contact: GARY CASASSA
 Telephone: 4154535841
 Mailing Name: Not reported
 Mailing Address: 700 A STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin

TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Not reported
 Tons: .1950
 Facility County: Marin

Year: 1999
 Gepaid: CAD981582372
 Contact: GARY CASASSA
 Telephone: 4154535841
 Mailing Name: Not reported
 Mailing Address: 700 A STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin

TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 2.34
 Facility County: Marin

Year: 1998
 Gepaid: CAD981582372
 Contact: GARY CASASSA
 Telephone: 4154535841

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN CLEANERS (Continued)

S100939533

Mailing Name: Not reported
 Mailing Address: 700 A STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Sonoma
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: .0975
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 10 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1987
 County Code: 21
 Air Basin: SF
 Facility ID: 309
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 4
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990
 County Code: 21
 Air Basin: SF
 Facility ID: 309
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 3
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
 County Code: 21
 Air Basin: SF
 Facility ID: 309
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN CLEANERS (Continued)

S100939533

Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 309
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 2
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 309
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 2
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 309
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN CLEANERS (Continued)

1000255183

Owner/Operator Summary:

Owner/operator name: CASASSA ROBERT
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
 Facility name: MARIN CLEANERS
 Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/21/2000
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001174693

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN CLEANERS (Continued)

1000255183

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

12

**DOWNTOWN 76 #252441
 34 RITTER STREET
 SAN RAFAEL, CA 94901**

**UST U003970993
 N/A**

UST:

Facility ID: 300120
 Latitude: 37.97141
 Longitude: -122.52483

MARIN CO. UST:

Facility Id: 60-0973

Tank Number: 000001
 Tank Status: Change of Information
 Tank Contents: Diesel
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000002
 Tank Status: Change of Information
 Tank Contents: Premium unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: Change of Information
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DOWNTOWN 76 #252441 (Continued)

U003970993

Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000004
 Tank Status: UST Removal
 Tank Contents: Other petroleum
 Tank Use: Hazardous waste (includes used oil)
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

12

**UNION OIL SS#2441
 34 RITTER ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599983
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000004566
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0004
 Contact Name: WARREN AND IRENE TAYLOR
 Telephone: 4154548424
 Owner Name: UNION OIL CO.
 Owner Address: 1 CALIFORNIA ST. SUITE 2700
 Owner City,St,Zip: SAN FRANCISCO, CA 94111

Tank Num: 001
 Container Num: 2441-1-1
 Year Installed: 1983
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor, 10

Tank Num: 002
 Container Num: 2441-2-1
 Year Installed: 1983
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: Not reported
 Leak Detection: Stock Inventor, 10

Tank Num: 003
 Container Num: 2441-3-1
 Year Installed: 1983
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

UNION OIL SS#2441 (Continued)

U001599983

Leak Detection: Stock Inventor, 10

Tank Num: 004
 Container Num: 2441-4-1
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 005
 Container Num: 1
 Year Installed: 1959
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 inches
 Leak Detection: Visual

12

**WALTERS UNION 76
 34 RITTER ST
 SAN RAFAEL, CA 94901**

**CA FID UST S101588480
 SWEEPS UST N/A**

CA FID UST:

Facility ID: 21000169
 Regulated By: UTNKA
 Regulated ID: 00004566
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154548424
 Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 4566
 Number: 2
 Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2441-RU-1
 Swrcb Tank Id: 21-028-004566-000001
 Actv Date: 06-20-91
 Capacity: 12000
 Tank Use: M.V. FUEL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WALTERS UNION 76 (Continued)

S101588480

Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	4
Status:	Active
Comp Number:	4566
Number:	2
Board Of Equalization:	Not reported
Referral Date:	04-01-92
Action Date:	04-01-92
Created Date:	12-31-88
Tank Status:	A
Owner Tank Id:	2441-SU-1
Swrcb Tank Id:	21-028-004566-000002
Actv Date:	06-20-91
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	4566
Number:	2
Board Of Equalization:	Not reported
Referral Date:	04-01-92
Action Date:	04-01-92
Created Date:	12-31-88
Tank Status:	A
Owner Tank Id:	2441-DSL-1
Swrcb Tank Id:	21-028-004566-000003
Actv Date:	06-20-91
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	4566
Number:	2
Board Of Equalization:	Not reported
Referral Date:	04-01-92
Action Date:	04-01-92
Created Date:	12-31-88
Tank Status:	A
Owner Tank Id:	2441-WO-1
Swrcb Tank Id:	21-028-004566-000004
Actv Date:	06-20-91
Capacity:	580
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

12	TOSCO - FACILITY #2441 34 RITTER ST SAN RAFAEL, CA 94901	HIST CORTESE LUST ENF HAZNET	1000167164 N/A
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CORTESE:

Region:	CORTESE
Facility County Code:	21
Reg By:	LTNKA
Reg Id:	21-0152

LUST:

Region:	STATE
Global Id:	T0604100143
Latitude:	37.97131
Longitude:	-122.524017
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/13/2007
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	REL
Local Agency:	Not reported
RB Case Number:	21-0152
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0604100143
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported

Global Id:	T0604100143
Contact Type:	Regional Board Caseworker
Contact Name:	RALPH LAMBERT
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST. SUITE 1500
City:	OAKLAND
Email:	ralambert@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100143
Action Type:	RESPONSE
Date:	05/01/2007
Action:	Monitoring Report - Quarterly

Global Id:	T0604100143
Action Type:	RESPONSE
Date:	01/30/2006

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO - FACILITY #2441 (Continued)

1000167164

Action: Monitoring Report - Quarterly

Global Id: T0604100143
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100143
 Action Type: RESPONSE
 Date: 05/03/2007
 Action: Sensitive Receptor Survey Report

Global Id: T0604100143
 Action Type: ENFORCEMENT
 Date: 12/28/2006
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100143
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

Global Id: T0604100143
 Action Type: ENFORCEMENT
 Date: 07/13/2007
 Action: Closure/No Further Action Letter

Global Id: T0604100143
 Action Type: ENFORCEMENT
 Date: 04/21/2006
 Action: 13267 Monitoring Program

Global Id: T0604100143
 Action Type: RESPONSE
 Date: 04/30/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100143
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100143
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0152
 Facility Status: Remedial action (cleanup) Underway
 Case Number: 210152
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOSCO - FACILITY #2441 (Continued)

1000167164

Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: 8/28/1990
 Preliminary Site Assessment Began: 12/28/1990
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: 10/13/1995
 Date Post Remedial Action Monitoring Began: Not reported

ENF:

Region: 2
 Facility Id: 269820
 Agency Name: ConocoPhillips Sacramento
 Place Type: Facility
 Place Subtype: Not reported
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 37.9714230
 Place Longitude: -122.52482
 SIC Code 1: Not reported
 SIC Desc 1: Not reported
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: Not reported
 Threat To Water Quality: Not reported
 Complexity: Not reported
 Pretreatment: Not reported
 Facility Waste Type: Not reported
 Facility Waste Type 2: Not reported
 Facility Waste Type 3: Not reported
 Facility Waste Type 4: Not reported
 Program: TANKS
 # Of Programs: 1
 WDID: 2 21-0152
 Reg Measure Id: 168967
 Reg Measure Type: Unregulated
 Region: 2
 Order #: Not reported
 Npdes# CA#: Not reported
 Major-Minor: Not reported
 Npdes Type: Not reported
 Reclamation: Not reported
 Dredge Fill Fee: Not reported
 301H: Not reported
 Application Fee Amt Received: Not reported
 Status: Active
 Status Date: 06/17/2005

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TOSCO - FACILITY #2441 (Continued)

1000167164

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236916
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/06/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0152
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

HAZNET:

Year:	2003
Gepaid:	CAL000175981
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Marin
TSD EPA ID:	CAD982444481
TSD County:	Marin
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.02
Facility County:	Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**12 JOHN IRISH JEEP DEALERSHIP
 898 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST S104162570
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0064

LUST:

Region: STATE
 Global Id: T0604100061
 Latitude: 37.971335
 Longitude: -122.52378
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/24/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0064
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100061
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100061
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100061
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100061
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JOHN IRISH JEEP DEALERSHIP (Continued)

S104162570

Global Id: T0604100061
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0064
 Facility Status: Case Closed
 Case Number: 21-0064
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

12

**JOHN IRISH AMC/JEEP, INC.
 898 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599941
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000008789
 Facility Type: Other
 Other Type: AUTO DEALERSHIP
 Total Tanks: 0000
 Contact Name: JOHN IRISH
 Telephone: 4154537020
 Owner Name: MARY MILANI
 Owner Address: 37 GRACELAND DRIVE
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JOHN IRISH AMC/JEEP, INC. (Continued)

U001599941

Tank Num: 003
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

12

**GOOD YEAR SAN RAFAEL
 898A LINCOLN AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000455735
 FINDS CAD982431900**

RCRA-SQG:

Date form received by agency: 09/04/1990
 Facility name: GOOD YEAR SAN RAFAEL
 Facility address: 898A LINCOLN AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD982431900
 Mailing address: LINCOLN AVE
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 898A LINCOLN AVE
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 485-1960
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: TOSCANINI KEN
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOOD YEAR SAN RAFAEL (Continued)

1000455735

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002810548

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**13 ARCO SERVICE STATION #6157
 1401 SECOND STREET
 SAN RAFAEL, CA 94901**

**Notify 65 S100179791
 N/A**

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 94901

**14 GREYHOUND LINE INC
 701 3RD ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102430975
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0057

LUST:

Region: STATE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GREYHOUND LINE INC (Continued)

S102430975

Global Id: T0604100055
 Latitude: 37.971476
 Longitude: -122.5227433
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/28/1990
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0057
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100055
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100055
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100055
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100055
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100055
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0057

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GREYHOUND LINE INC (Continued)

S102430975

Facility Status: Case Closed
 Case Number: 98
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**MARIN FILMWORKS
 703 3RD ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1010313140
 CAL000174029**

RCRA-SQG:

Date form received by agency: 04/28/2006
 Facility name: MARIN FILMWORKS
 Facility address: 703 3RD ST
 SAN RAFAEL, CA 94901
 EPA ID: CAL000174029
 Contact: LEON HURWITZ
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (415) 256-8200
 Contact email: MFWORKS@AOL.COM
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LEON HURWITZ
 Owner/operator address: 703 3RD ST
 SAN RAFAEL, CA 94901
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 09/15/1995
 Owner/Op end date: Not reported
 Owner/operator name: LEON HURWITZ
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 09/15/1995

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN FILMWORKS (Continued)

1010313140

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 04/28/2006
 Facility name: MARIN FILMWORKS
 Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D011
 Waste name: SILVER

Violation Status: No violations found

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**MOBIL SERVICE STATION
 575 2ND ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599962
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000039470
 Facility Type: Gas Station
 Other Type: MOTOR VEHICLE FUEL S
 Total Tanks: 0004
 Contact Name: ROY TAYLOR
 Telephone: 4154538885
 Owner Name: MOBIL OIL CORPORATION
 Owner Address: 612 SO. FLOWER STREET
 Owner City,St,Zip: LOS ANGELES, CA 90017

Tank Num: 001
 Container Num: 1
 Year Installed: 1982
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 002
 Container Num: 2

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MOBIL SERVICE STATION (Continued)

U001599962

Year Installed: 1982
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 003
 Container Num: 3
 Year Installed: 1982
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Tank Construction: Not reported
 Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 004
 Container Num: 4
 Year Installed: Not reported
 Tank Capacity: 00000280
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Visual

15

**MOBIL
 575 2ND
 SAN RAFAEL, CA**

**HIST CORTESE S101307511
 LUST N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0087

LUST REG 2:
 Region: 2
 Facility Id: 21-0087
 Facility Status: Preliminary site assessment underway
 Case Number: 21-0087
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: 5/6/1986
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

15	SAVOY RAIN TUNNEL 620 2ND ST SAN RAFAEL, CA 94901	HIST CORTESE LUST	S101307512 N/A
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CORTESE:

Region:	CORTESE
Facility County Code:	21
Reg By:	LTNKA
Reg Id:	21-0123

LUST:

Region:	STATE
Global Id:	T0604100116
Latitude:	37.9705285
Longitude:	-122.521425
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/20/1996
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	REL
Local Agency:	Not reported
RB Case Number:	21-0123
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0604100116
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported

Global Id:	T0604100116
Contact Type:	Regional Board Caseworker
Contact Name:	RALPH LAMBERT
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST. SUITE 1500
City:	OAKLAND
Email:	ralambert@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100116
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0604100116
Action Type:	ENFORCEMENT
Date:	06/23/2010
Action:	Referral to Other State Agency

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAVOY RAIN TUNNEL (Continued)

S101307512

Global Id: T0604100116
 Action Type: ENFORCEMENT
 Date: 08/20/1996
 Action: Closure/No Further Action Letter

Global Id: T0604100116
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100116
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0123
 Facility Status: Preliminary site assessment underway
 Case Number: 21-0123
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 4/7/1988
 Preliminary Site Assessment Began: 7/11/1990
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

15

**THE RAIN TUNNEL #2
 620 SECOND STREET
 SAN RAFAEL, CA 94901**

**HIST UST U001599981
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000061604
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0002
 Contact Name: GERALD J. ROULLIER
 Telephone: 4154543285
 Owner Name: SAVOY CORPORATION
 Owner Address: 2720 TAYLOR STREET
 Owner City,St,Zip: SAN FRANCISCO, CA 94133

Tank Num: 001
 Container Num: 1
 Year Installed: 1968
 Tank Capacity: 00009980
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

THE RAIN TUNNEL #2 (Continued)

U001599981

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: Not reported
 Leak Detection: None

15

**IRWIN SHELL FOODMART
 834 IRWIN STREET
 SAN RAFAEL, CA 94901**

**UST U003782126
 N/A**

UST:

Facility ID: 300055
 Latitude: 37.97076
 Longitude: -122.52107

MARIN CO. UST:

Facility Id: 60-0924

Tank Number: 000001
 Tank Status: New Permit
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000002
 Tank Status: New Permit
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: New Permit
 Tank Contents: Premium unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: Not reported
 Last Inspected: Not reported
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

15 **IRWIN SHELL**
834 IRWIN ST
SAN RAFAEL, CA 94901

CA FID UST S101588474
SWEEPS UST N/A

CA FID UST:

Facility ID: 21000140
 Regulated By: UTNKA
 Regulated ID: 00012925
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154531652
 Mail To: Not reported
 Mailing Address: 834 IRWIN ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 12925
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-012925-000001
 Actv Date: 06-18-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: LEADED
 Number Of Tanks: 3

Status: Active
 Comp Number: 12925
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2
 Swrcb Tank Id: 21-028-012925-000002
 Actv Date: 06-18-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

IRWIN SHELL (Continued)

S101588474

Comp Number: 12925
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 3
 Swrcb Tank Id: 21-028-012925-000003
 Actv Date: 06-18-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

15

**SHELL
 834 IRWIN
 SAN RAFAEL, CA 94901**

**HIST CORTESE 1000288580
 LUST N/A
 HIST UST
 HAZNET**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0132

LUST:

Region: STATE
 Global Id: T0604100125
 Latitude: 37.9708190259371
 Longitude: -122.520679235458
 Case Type: LUST Cleanup Site
 Status: Open - Site Assessment
 Status Date: 05/17/2010
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0132
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water), Soil Vapor
 Potential Contaminants of Concern: Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
 Site History: FS/CAP submitted December 5, 2008

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100125
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

LUST:

Global Id:	T0604100125
Action Type:	RESPONSE
Date:	02/19/2010
Action:	Pilot Study/ Treatability Report
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	08/20/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	01/05/2010
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	09/26/2005
Action:	Staff Letter
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	05/01/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	06/16/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	01/25/2012
Action:	13267 Requirement
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	06/01/2007
Action:	13267 Requirement
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	03/31/2008
Action:	Soil and Water Investigation Report
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	07/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	05/24/2012
Action:	13267 Requirement
Global Id:	T0604100125

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

Action Type:	ENFORCEMENT
Date:	10/27/2011
Action:	Staff Letter
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	01/31/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	05/08/2007
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	05/06/2008
Action:	13267 Monitoring Program
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	04/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	06/01/2006
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	10/26/2012
Action:	Soil Vapor Intrusion Investigation Report
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	03/30/2012
Action:	Other Workplan
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	03/06/2001
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	10/29/2004
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	06/27/1990

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

Action: Soil and Water Investigation Report

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 07/19/1994
 Action: Other Workplan

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 11/01/2000
 Action: Correspondence

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 07/20/1995
 Action: Other Workplan

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 11/04/2004
 Action: Monitoring Report - Quarterly

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 06/30/2004
 Action: Other Report / Document

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 11/06/1991
 Action: Other Report / Document

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 04/12/2004
 Action: Other Workplan

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 02/08/2001
 Action: Other Report / Document

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 05/02/2005
 Action: Monitoring Report - Quarterly

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 08/06/2004
 Action: Monitoring Report - Quarterly

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 10/25/2005
 Action: Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

Global Id:	T0604100125
Action Type:	RESPONSE
Date:	08/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	11/30/2005
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	03/07/2005
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	03/28/1995
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	04/30/1996
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	10/26/2005
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	08/05/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	11/03/2000
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	06/30/1998
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	03/31/2008
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL (Continued)

1000288580

Date:	05/08/2007
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	07/23/2007
Action:	Other Workplan
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	10/01/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	09/14/2007
Action:	13267 Requirement
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	12/05/2008
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	02/07/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	02/17/1999
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	04/19/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	04/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Free Product Removal
Global Id:	T0604100125
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Pump & Treat (P&T) Groundwater

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	07/16/2009
Action:	13267 Monitoring Program
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	01/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	10/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	07/31/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	12/18/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100125
Action Type:	RESPONSE
Date:	07/31/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	08/13/2008
Action:	13267 Requirement
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	10/28/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	08/29/2012
Action:	13267 Requirement
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	08/28/2012
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100125
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

Date: 04/10/2007
 Action: Staff Letter

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 05/23/2007
 Action: Meeting

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 12/05/2008
 Action: CAP/RAP - Feasibility Study Report

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 04/28/2009
 Action: 13267 Requirement

Global Id: T0604100125
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 03/02/2009
 Action: Pilot Study / Treatability Workplan

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 01/24/2007
 Action: Staff Letter

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 01/20/2007
 Action: * Verbal Communication

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 12/28/2006
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100125
 Action Type: RESPONSE
 Date: 01/30/2007
 Action: Monitoring Report - Quarterly

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 12/22/2009
 Action: 13308 Time Schedule Order

Global Id: T0604100125
 Action Type: ENFORCEMENT
 Date: 12/22/2009
 Action: Site Visit / Inspection / Sampling

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL (Continued)

1000288580

Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	04/19/2012
Action:	Meeting
Global Id:	T0604100125
Action Type:	ENFORCEMENT
Date:	12/15/2008
Action:	13267 Requirement

LUST REG 2:

Region:	2
Facility Id:	21-0132
Facility Status:	Pollution Characterization
Case Number:	33
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	1/15/1992
Pollution Characterization Began:	5/18/1995
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

HIST UST:

Region:	STATE
Facility ID:	00000012925
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0005
Contact Name:	NILES FLEMING
Telephone:	4154531608
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803

Tank Num:	001
Container Num:	1
Year Installed:	1965
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, 10

Tank Num:	002
Container Num:	2
Year Installed:	1965
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL (Continued)

1000288580

Leak Detection: Stock Inventor, 10

Tank Num: 003
 Container Num: 3
 Year Installed: 1965
 Tank Capacity: 00007500
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 004
 Container Num: 4
 Year Installed: 1967
 Tank Capacity: 00000550
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 12 gauge
 Leak Detection: Stock Inventor, 10

Tank Num: 005
 Container Num: 5
 Year Installed: 1970
 Tank Capacity: 00007500
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

HAZNET:

Year: 2011
 Gepaid: CAD981401029
 Contact: J. Traylor/ENV REPORTING ANALYST
 Telephone: 7132416992
 Mailing Name: Not reported
 Mailing Address: PO Box 3127
 Mailing City,St,Zip: HOUSTON, TX 772530000
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Not reported
 Tons: 0.15012
 Facility County: Marin

Year: 2009
 Gepaid: CAD981401029
 Contact: R HULL/ENV. REPORTING ANALYST
 Telephone: 7132412258
 Mailing Name: Not reported
 Mailing Address: 12700 NORTHBOROUGH DR 300G03
 Mailing City,St,Zip: HOUSTON, TX 770670000
 Gen County: Marin
 TSD EPA ID: CAD097030993
 TSD County: Los Angeles
 Waste Category: Alkaline solution without metals pH >= 12.5
 Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL (Continued)

1000288580

Treatment)
 Tons: 0.22935
 Facility County: Marin

Year: 2009
 Gepaid: CAD981401029
 Contact: R HULL/ENV. REPORTING ANALYST
 Telephone: 7132412258
 Mailing Name: Not reported
 Mailing Address: 12700 NORTHBOROUGH DR 300G03
 Mailing City,St,Zip: HOUSTON, TX 770670000
 Gen County: Marin
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.09
 Facility County: Marin

Year: 2008
 Gepaid: CAD981401029
 Contact: R HULL/ENV. REPORTING ANALYST
 Telephone: 7132412258
 Mailing Name: Not reported
 Mailing Address: 12700 NORTHBOROUGH DR 300G03
 Mailing City,St,Zip: HOUSTON, TX 770670000
 Gen County: Marin
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 0.065
 Facility County: Marin

Year: 2008
 Gepaid: CAD981401029
 Contact: R HULL/ENV. REPORTING ANALYST
 Telephone: 7132412258
 Mailing Name: Not reported
 Mailing Address: 12700 NORTHBOROUGH DR 300G03
 Mailing City,St,Zip: HOUSTON, TX 770670000
 Gen County: Marin
 TSD EPA ID: NVT330010000
 TSD County: 99
 Waste Category: Alkaline solution without metals pH >= 12.5
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Tons: 0.22935
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 7 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

15	SHELL OIL CO 204-6918-0408 834 IRWIN SAN RAFAEL, CA 94901	RCRA-LQG	1007199268 CAD981401029
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RCRA-LQG:

Date form received by agency: 04/13/1990
 Facility name: SHELL OIL CO 204-6918-0408
 Facility address: 834 IRWIN
 SAN RAFAEL, CA 94901
 EPA ID: CAD981401029
 Mailing address: 511 N. BROOKHURST ST
 ANAHEIM, CA 92801
 Contact: RONALD L GEMEINHARDT
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (714) 520-3385
 Contact email: Not reported
 EPA Region: 09
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

15 **EXXON**
902 IRWIN ST
SAN RAFAEL, CA 94901

HIST CORTESE **S102429378**
LUST **N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0218

LUST:

Region: STATE
 Global Id: T0604100208
 Latitude: 37.971359
 Longitude: -122.520626
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/17/2003
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0218
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Under Investigation
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100208
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100208
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100208
 Action Type: ENFORCEMENT
 Date: 06/30/2003
 Action: * Verbal Communication

Global Id: T0604100208
 Action Type: ENFORCEMENT
 Date: 05/28/2003
 Action: * Verbal Communication

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

EXXON (Continued)

S102429378

Global Id:	T0604100208
Action Type:	ENFORCEMENT
Date:	06/04/2003
Action:	* Verbal Communication
Global Id:	T0604100208
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100208
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100208
Action Type:	ENFORCEMENT
Date:	05/05/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100208
Action Type:	ENFORCEMENT
Date:	05/30/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100208
Action Type:	ENFORCEMENT
Date:	06/12/2003
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100208
Action Type:	ENFORCEMENT
Date:	06/12/2003
Action:	* Verbal Communication
Global Id:	T0604100208
Action Type:	ENFORCEMENT
Date:	06/17/2003
Action:	Closure/No Further Action Letter
Global Id:	T0604100208
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0218
Facility Status:	Case Closed
Case Number:	21-0218
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	7/29/1994
Oversight Program:	LUST
Prelim. Site Assessment Wokplan Submitted:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

EXXON (Continued)

S102429378

Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

15

**HERITAGE CLEANERS
 915 IRWIN STREET
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000819199
 FINDS CAD983651696
 DRYCLEANERS
 HAZNET
 EMI**

RCRA-SQG:

Date form received by agency: 10/30/1992
 Facility name: HERITAGE CLEANERS
 Facility address: 915 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD983651696
 Mailing address: IRWIN ST
 SAN RAFAEL, CA 94901
 Contact: SANGDOO KIM
 Contact address: 915 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-9228
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: SANGDOO KIM
 Owner/operator address: 915 IRWIN ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 454-9228
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HERITAGE CLEANERS (Continued)

1000819199

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/06/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001173220

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

DRYCLEANERS:

EPA Id: CAD983651696
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 10/30/1992
 Facility Active: Yes
 Inactive Date: Not reported
 Facility Addr2: Not reported
 Owner Name: DOUG CHEON
 Owner Address: 915 IRWIN ST
 Owner Address 2: Not reported
 Owner Telephone: 4154547200
 Contact Name: DOUG CHEON OWNER
 Contact Address: 915 IRWIN ST
 Contact Address 2: Not reported
 Contact Telephone: 4154547200

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

HERITAGE CLEANERS (Continued)

1000819199

HAZNET:

Year: 2002
 Gepaid: CAD983651696
 Contact: DOUG CHEON OWNER
 Telephone: 4154547200
 Mailing Name: Not reported
 Mailing Address: 915 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013317
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Not reported
 Disposal Method: Transfer Station
 Tons: Not reported
 Facility County: Not reported

Year: 2002
 Gepaid: CAD983651696
 Contact: DOUG CHEON OWNER
 Telephone: 4154547200
 Mailing Name: Not reported
 Mailing Address: 915 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013317
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.09
 Facility County: Not reported

Year: 2001
 Gepaid: CAD983651696
 Contact: DOUG CHEON OWNER
 Telephone: 4154547200
 Mailing Name: Not reported
 Mailing Address: 915 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013317
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.12
 Facility County: Not reported

Year: 1999
 Gepaid: CAD983651696
 Contact: DOUG CHEON
 Telephone: 4154547200
 Mailing Name: Not reported
 Mailing Address: 915 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013317
 Gen County: Marin
 TSD EPA ID: CAD981397417
 TSD County: Los Angeles
 Waste Category: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

HERITAGE CLEANERS (Continued)

1000819199

Disposal Method: Recycler
 Tons: 0
 Facility County: Marin

Year: 1999
 Gepaid: CAD983651696
 Contact: DOUG CHEON
 Telephone: 4154547200
 Mailing Name: Not reported
 Mailing Address: 915 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013317
 Gen County: Marin
 TSD EPA ID: CAD981397417
 TSD County: Los Angeles
 Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)

Disposal Method: Recycler
 Tons: 0.0983
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 9 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1987
 County Code: 21
 Air Basin: SF
 Facility ID: 3091
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990
 County Code: 21
 Air Basin: SF
 Facility ID: 8269
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

HERITAGE CLEANERS (Continued)

1000819199

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 8269
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 8269
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 11737
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 11737
 Air District Name: BA
 SIC Code: 7216

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HERITAGE CLEANERS (Continued)

1000819199

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 11737
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 11737
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 11737
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HERITAGE CLEANERS (Continued)

1000819199

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2005
County Code:	21
Air Basin:	SF
Facility ID:	11737
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2006
County Code:	21
Air Basin:	SF
Facility ID:	11737
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.067
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2007
County Code:	21
Air Basin:	SF
Facility ID:	11737
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.387
Reactive Organic Gases Tons/Yr:	.128
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

16	SAN RAFAEL UNIFIED SCHOOL DISTRICT 38 UNION ST SAN RAFAEL, CA 94901	RCRA NonGen / NLR FINDS LUST HAZNET	1001959753 CAR000063487
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RCRA NonGen / NLR:

Date form received by agency: 04/12/2001
 Facility name: SAN RAFAEL UNIFIED SCHOOL DISTRICT
 Facility address: 38 UNION ST
 SAN RAFAEL, CA 94901
 EPA ID: CAR000063487
 Contact: JEFF BLACKWELL
 Contact address: 310 NOVA ALBION WAY
 SAN RAFAEL, CA 94903
 Contact country: US
 Contact telephone: (415) 485-2445
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SAN RAFAEL UNIFIED SCHOOL DIST
 Owner/operator address: 38 UNION ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 484-2442
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D000
 Waste name: Not Defined
 Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL UNIFIED SCHOOL DISTRICT (Continued)

1001959753

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110002931622

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Region: STATE
 Global Id: T10000003168
 Latitude: 37.9708465137859
 Longitude: -122.515631318092
 Case Type: LUST Cleanup Site
 Status: Open - Site Assessment
 Status Date: 07/26/2011
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0408
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor
 Potential Contaminants of Concern: Benzene, Toluene, Gasoline
 Site History: Free product found in 1997, soil excavations in 1997 & 1998. No record of groundwater sampling.

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T10000003168
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL UNIFIED SCHOOL DISTRICT (Continued)

1001959753

Phone Number: Not reported

LUST:

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 08/22/2012
 Action: 13267 Requirement

Global Id: T10000003168
 Action Type: RESPONSE
 Date: 07/16/2012
 Action: Well Installation Workplan

Global Id: T10000003168
 Action Type: RESPONSE
 Date: 12/15/2011
 Action: Soil and Water Investigation Workplan

Global Id: T10000003168
 Action Type: RESPONSE
 Date: 02/22/3013
 Action: Soil and Water Investigation Report

Global Id: T10000003168
 Action Type: RESPONSE
 Date: 05/11/2012
 Action: Soil and Water Investigation Report

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 03/30/2012
 Action: 13267 Requirement

Global Id: T10000003168
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 07/27/2011
 Action: 13267 Requirement

Global Id: T10000003168
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 10/18/2011
 Action: 13267 Requirement

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 06/13/2012
 Action: 13267 Requirement

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL UNIFIED SCHOOL DISTRICT (Continued)

1001959753

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 06/11/2012
 Action: Meeting

Global Id: T10000003168
 Action Type: ENFORCEMENT
 Date: 12/23/2011
 Action: 13267 Requirement

HAZNET:

Year: 1997
 Gepaid: CAC001269480
 Contact: SAN RAFAEL USD
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 38 UNION ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: .5000
 Facility County: Marin

17

**STEVE ZAPPETINI & SON INC.
 1112 2ND ST
 SAN RAFAEL, CA 94901**

**LUST U001599979
 HIST UST N/A**

LUST:

Region: STATE
 Global Id: T0604120262
 Latitude: 37.9713434077395
 Longitude: -122.529125511646
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/18/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0392
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline, Lead
 Site History: Deed restriction and soil management plan prepared 1/2009

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604120262
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

STEVE ZAPPETINI & SON INC. (Continued)

U001599979

Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604120262
 Action Type: RESPONSE
 Date: 05/06/2008
 Action: Soil and Water Investigation Report

Global Id: T0604120262
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604120262
 Action Type: ENFORCEMENT
 Date: 02/18/2009
 Action: Closure/No Further Action Letter

Global Id: T0604120262
 Action Type: RESPONSE
 Date: 02/11/2009
 Action: Correspondence

Global Id: T0604120262
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Other (Use Description Field)

Global Id: T0604120262
 Action Type: ENFORCEMENT
 Date: 02/11/2009
 Action: Deed Restriction / Land Use Restriction / Covenant

Global Id: T0604120262
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604120262
 Action Type: RESPONSE
 Date: 03/07/2008
 Action: Soil and Water Investigation Workplan

Global Id: T0604120262
 Action Type: ENFORCEMENT
 Date: 01/04/2008
 Action: 13267 Requirement

Global Id: T0604120262
 Action Type: ENFORCEMENT
 Date: 02/07/2008
 Action: Staff Letter

Global Id: T0604120262
 Action Type: ENFORCEMENT
 Date: 02/07/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

STEVE ZAPPETINI & SON INC. (Continued)

U001599979

Action: Site Visit / Inspection / Sampling

HIST UST:

Region: STATE
 Facility ID: 00000066242
 Facility Type: Other
 Other Type: STEEL
 Total Tanks: 0001
 Contact Name: DAVE ZAPPETINI
 Telephone: 4154542511
 Owner Name: STEVE ZAPPETINI & SON, INC.
 Owner Address: 1112 2ND STREET
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1972
 Tank Capacity: 00000580
 Tank Used for: WASTE
 Type of Fuel: 2
 Tank Construction: 1 inches
 Leak Detection: Visual

18

**PG&E, SAN RAFAEL MGP
 SECOND STREET AND LINDARO STREET
 SAN RAFAEL, CA 94901**

**DEED S109348514
 VCP N/A
 ENVIROSTOR**

DEED:

Area: PROJECT WIDE
 Sub Area: Not reported
 Site Type: VOLUNTARY CLEANUP
 Status: ACTIVE
 Deed Date(s): 08/10/1989

VCP:

Facility ID: 21490015
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Site Mgmt. Req.: DAY, ELD, HOS, LUC, MON, NOWN, SCH, COV, RES
 Acres: 15.5
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay
 Lead Agency: RWQCB 2 - San Francisco Bay, SMBRP
 Lead Agency Description: RWQCB 2 - San Francisco Bay
 Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
 Project Manager: Lori Koch
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Site Code: 200994
 Assembly: 10
 Senate: 02
 Special Programs Code: Voluntary Cleanup Program
 Status: Active
 Status Date: 08/09/2006
 Restricted Use: YES
 Funding: Responsible Party

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Lat/Long: 37.97151 / -122.5267
 APN: 011-265-01, 011-265-01, 013-012-31, 013-012-34, 013-012-35, 2401-06-2344
 Past Use: MANUFACTURED GAS PLANT
 Potential COC: 10097, 30003, 30013, 30019, 30272, 30550, 30593
 Confirmed COC: 30550,30019,30272,30003,30593
 Potential Description: SOIL
 Alias Name: Fair Isaac Office Park
 Alias Type: Alternate Name
 Alias Name: PACIFIC GAS AND ELECTRIC - SAN RAFAEL
 Alias Type: Alternate Name
 Alias Name: PG&E SAN RAFAEL SERVICE CENTER
 Alias Type: Alternate Name
 Alias Name: PG&E SERVICE BUILDING
 Alias Type: Alternate Name
 Alias Name: San Rafael Corporate Center
 Alias Type: Alternate Name
 Alias Name: 011-265-01
 Alias Type: APN
 Alias Name: 011-265-01
 Alias Type: APN
 Alias Name: 013-012-31
 Alias Type: APN
 Alias Name: 013-012-34
 Alias Type: APN
 Alias Name: 013-012-35
 Alias Type: APN
 Alias Name: 2401-06-2344
 Alias Type: APN
 Alias Name: CAD981382070
 Alias Type: EPA Identification Number
 Alias Name: 110033611116
 Alias Type: EPA (FRS #)
 Alias Name: CAD981382070
 Alias Type: HWTS Identification Code
 Alias Name: P23009
 Alias Type: PCode
 Alias Name: 200116
 Alias Type: Project Code (Site Code)
 Alias Name: 200994
 Alias Type: Project Code (Site Code)
 Alias Name: 21490015
 Alias Type: Envirostor ID Number

Completed Info:
 Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Release/Rescission
 Completed Date: 09/23/1999
 Comments: Deed restriction amended to allow construction of a hotel on Parcel 4.
 Not reported

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 08/27/1997
 Comments: VCA was signed with developer Village Builder. Village Builder sold the Site to Fair Isaac in 1998.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Consent Order
 Completed Date: 07/30/1989
 Comments: DTSC issued Consent Order requiring PG&E to submit a Soils Management Workplan, a Health and Safety Plan, a Risk Assessment, a Public Participation Plan, and a plan for activities to be conducted during the Operation and Maintenance phase of remediation at the site. The Order also requires that periodic reports be submitted detailing the status of cleanup activities at the site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 04/01/1989
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction
 Completed Date: 08/10/1989
 Comments: Deed restriction recorded limiting site uses to commercial or office space.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 10/24/2006
 Comments: Site inspection found paved surfaces, landscaping, and building foundations at Fair Isaac Office Park to be in good condition. Paved surfaces on Parcel 4 were somewhat weathered, but still protective of human health and the environment.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 04/16/1999
 Comments: DTSC terminated VCA with Village Builder. Fair Isaac had purchased the site and continued construction in accordance with Soil Management Plan.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/28/2008
 Comments: the site is in compliance with the deed restriction

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 04/03/2007
 Comments: VCA finalized for additional cleanup of Parcel 4.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 11/20/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Comments: No evidence of any activities prohibited by the Deed Restriction was observed during the course of the site visit. Impacted soil remains under the building foundations, asphalt surfaces and landscaped areas. Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/13/2010
 Comments: The Annual Cap inspection was conducted on April 13, 2010 with the RP from PG&E. Upon observing the current site conditions, DTSC concludes that they remain protective of human health and the environment. Impacted soil remains under the building foundations, asphalt surfaces and landscaped areas, which remain undisturbed.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: CEQA - Initial Study/ Neg. Declaration
 Completed Date: 11/16/2012
 Comments: Public Review

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 10/12/2011
 Comments: Sent out annual cost estimate

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 10/30/2012
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 08/17/2009
 Comments: The three groundwater wells on the north side of Third Street were installed in July and August, 2009. The last well was put in at night on August 17th at the request of a local merchant. Wells will be sampled on Friday, August 21, 2009.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 04/15/1999
 Comments: Report details activities conducted in 1998 for construction of the Fair Isaac Office Park.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Completed Document Type: Other Report
 Completed Date: 12/05/2005
 Comments: Cap inspection concluded that the remedy remains protective of human health and the environment. Site soils are contained beneath building foundations, asphalt surfaces, and landscaped areas.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 01/13/2006
 Comments: San Francisco Regional Water Quality Control Board issued a fact sheet detailing the status of the site remedy, including the ongoing operations of the groundwater extraction and treatment system.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 04/24/1998
 Comments: PPP submitted for development of Fair Isaac Office Park.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 05/01/1998
 Comments: RWQCB issued fact sheet describing the status of site remediation and the proposed development of Fair Isaac Office Park.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Human Health Risk Assessment Report
 Completed Date: 07/18/1997
 Comments: Risk Assessment concluded that inhalation of petroleum hydrocarbons in site GW does not present significant incremental risks (cancer and noncancer), nor does exposure to petroleum hydrocarbons in site soil.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Implementation Workplan
 Completed Date: 02/26/1998
 Comments: Soil Management Work Plan submitted. Plan outlines procedures to be followed during construction of the proposed redevelopment project.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Workplan
 Completed Date: 12/10/2007
 Comments: Workplan approved 12/7/2007; Hard copies and ecopy of Final Workplan to follow.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 12/19/2007
 Comments: Fieldwork ended 12/19/2007.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 10/21/2008
 Comments: Letter dated 10/21/2008 sent to PG&E to provide notification of approval of the Public Participation Plan.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 11/26/2007
 Comments: Work notice and Community Survey mailed to community on 11/24/2007.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Human Health Risk Assessment Report
 Completed Date: 07/18/1989
 Comments: Risk assessment documents evaluated baseline risk, risk during trenching, risk during construction, and risk after construction at the site.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 05/27/2008
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 08/15/2008
 Comments: Last of field activities (groundwater sampling) performed week of 8/11/2008.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 01/05/1990
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 05/29/2009
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 07/23/2010
 Comments: The conclusion of the RI Report is summarized below: The Site is a part of the 17 acre former PG&E San Rafael Service Center that consists of three parcels, including Parcel 4, which is the focus of this remedial investigation. The Site geology primarily consists of shallow fill material to a depth of approximately 5 to 8 feet across most of the Site. The fill contains varying amounts of debris including concrete rubble, sheet metal, brick fragments and lampblack, as well as buried concrete foundations from former MGP facilities in several areas of the Site. The shallow groundwater zone

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

generally occurs within fill material overlying Bay Mud, which ranges in thicknesses from less than two feet to approximately 11 feet. The upper portion of the underlying bedrock is highly weathered, ranging in thickness from 5 to 10 feet. Based on the results of soil sampling activities, chemical impacts frequently associated with visible MGP residues are present in shallow fill soil, and in some areas the upper few feet of the underlying Bay Mud, throughout most of the Site. PAHs, TPHd, TPHmo, TPHg, BTEX, arsenic, lead and cyanide were detected at elevated concentrations in soil samples collected at the Site. The highest chemical concentrations were found in on-site soil samples collected from (1) shallow fill soil mixed with lampblack throughout the southeastern portion of the Site, (2) fill material within the two former in-ground gas holders located in the north-central portion of the Site, and (3) fill material in other somewhat limited areas of the Site. In most areas of the Site, the vertical and lateral extent of these MGP-related constituents has been sufficiently delineated by soil samples with either non-detects or relatively low concentrations. PAHs (including naphthalene), VOCs (primarily BTEX), TPHd, TPHmo, and TPHg have been detected consistently in groundwater samples collected from one or more of the on-site and off-site monitoring wells. The primary sources of these constituents in groundwater appear to be associated with (1) historical filling of the southeastern portion of the Site with lampblack and associated fill, (2) past releases of MGP residues within fill material along the north-central Site boundary, and (3) past releases of crude oil (used as MGP feedstock) in the central portion of the Site. Although groundwater flow is generally radial towards the Site boundaries, the highest concentrations of MGP-related impacts to groundwater appear to be limited to the 3-acre Site and immediately adjacent sidewalk areas, and do not appear to extend across bordering streets. Within an isolated portion of the eastern sidewalk of Lindaro Street, the chemical characteristics of groundwater are markedly different than those of groundwater collected from the other wells on the 3-acre Site. On this basis, it appears that groundwater impacts at this location are not MGP related and are likely related to another unknown source on the east side of Lindaro Street. Based on the evaluation of field observations and analytical results of soil, soil gas, and groundwater samples collected during this RI and previous and ongoing investigations, the characterization of on-site soil, soil gas and groundwater conditions is sufficient to support the preparation of a Risk Assessment and evaluation of remedial alternatives.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Soils Management Plan
 Completed Date: 01/14/2008
 Comments: The Soil Management Work Plan Addendum specifies soil handling procedures for Phase II and III construction activities at the San Rafael Corporate Center and updates the Soil Management Work Plan previously approved by DTSC on February 26, 1998.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 02/02/2010
 Comments: The November 5, 2009 Data Submittal Supplemental Groundwater

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Investigation has been reviewed and is complete. The original Nov. 5, 2009 document is now Final.

- Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Plan
 Completed Date: 11/20/2012
 Comments: Not reported
- Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 08/07/2009
 Comments: The Work Notice for the installation of three groundwater wells in the sidewalk area north of Third Street was sent out on August 7, 2009.
- Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Well Decommissioning Report
 Completed Date: 07/08/2010
 Comments: Between May 17 and 24, 2010, excavation, line repair and restoration activities were completed by PSC, PG&E's contractor. Excavation, line repair and a portion of the restoration activities (i.e., backfilling and replacement of concrete sidewalk) were observed and documented by a TPG representative. Specifically, on May 17, PSC staged their equipment onsite. On May 18, PSC cut and removed a section of the concrete sidewalk approximately 12 feet long by 6 feet wide overlying the location of well MW-4. On May 18 and 19, PSC excavated soil to a depth of approximately 8 feet around the well, exposing 3 electric utility lines contained in approximately 4-inch to 6-inch PVC conduits and removing the entire 8-foot-deep monitoring well casing and other completion materials.
- Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 10/04/2012
 Comments: Not reported
- Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 10/26/2012
 Comments: Not reported
- Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Design - Preliminary/Intermediate
 Completed Date: 12/06/2010
 Comments: Pacific Gas and Electric Company's (PG&E's) Pre-Design Investigation Workplan, Former San Rafael Manufactured Gas Plant Site (Workplan). The primary purposes of the pre-design investigation activities outlined in this Workplan are to observe subsurface soil conditions and former MGP structures, and to obtain additional soil gas data and aquifer parameters to facilitate the design and implementation of the final remedy at the Site. This Workplan outlines the proposed scope

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

of work for exploratory trenching and associated soil sampling, soil gas sampling and aquifer parameter testing. The RP is not seeking DTSC's approval of this Workplan.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Work Notice
 Completed Date: 02/17/2011
 Comments: Work notices (English & Spanish) were completed and mailed on 2-16-2011 as per the PPS.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Technical Workplan
 Completed Date: 11/17/2011
 Comments: Not reported

Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Design/Implementation Workplan
 Future Due Date: 2013
 Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2014
 Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2014
 Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Land Use Restriction
 Future Due Date: 2014
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 15.5
 NPL: NO
 Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay
 Lead Agency: RWQCB 2 - San Francisco Bay, SMBRP
 Program Manager: Lori Koch
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Facility ID: 21490015
 Site Code: 200994
 Assembly: 10
 Senate: 02
 Special Program: Voluntary Cleanup Program
 Status: Active
 Status Date: 08/09/2006
 Restricted Use: YES

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Site Mgmt. Req.: DAY, ELD, HOS, LUC, MON, NOWN, SCH, COV, RES
 Funding: Responsible Party
 Latitude: 37.97151
 Longitude: -122.5267
 APN: 011-265-01, 011-265-01, 013-012-31, 013-012-34, 013-012-35,
 2401-06-2344
 Past Use: MANUFACTURED GAS PLANT
 Potential COC: 10097, 30003, 30013, 30019, 30272, 30550, 30593
 Confirmed COC: 30550,30019,30272,30003,30593
 Potential Description: SOIL
 Alias Name: Fair Isaac Office Park
 Alias Type: Alternate Name
 Alias Name: PACIFIC GAS AND ELECTRIC - SAN RAFAEL
 Alias Type: Alternate Name
 Alias Name: PG&E SAN RAFAEL SERVICE CENTER
 Alias Type: Alternate Name
 Alias Name: PG&E SERVICE BUILDING
 Alias Type: Alternate Name
 Alias Name: San Rafael Corporate Center
 Alias Type: Alternate Name
 Alias Name: 011-265-01
 Alias Type: APN
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 Alias Name: 013-012-31
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 Alias Name: 013-012-35
 Alias Type: APN
 Alias Name: 2401-06-2344
 Alias Type: APN
 Alias Name: CAD981382070
 Alias Type: EPA Identification Number
 Alias Name: 110033611116
 Alias Type: EPA (FRS #)
 Alias Name: CAD981382070
 Alias Type: HWTS Identification Code
 Alias Name: P23009
 Alias Type: PCode
 Alias Name: 200116
 Alias Type: Project Code (Site Code)
 Alias Name: 200994
 Alias Type: Project Code (Site Code)
 Alias Name: 21490015
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Release/Rescission
 Completed Date: 09/23/1999
 Comments: Deed restriction amended to allow construction of a hotel on Parcel 4.
 Not reported

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Completed Date: 08/27/1997
 Comments: VCA was signed with developer Village Builder. Village Builder sold the Site to Fair Isaac in 1998.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Consent Order
 Completed Date: 07/30/1989
 Comments: DTSC issued Consent Order requiring PG&E to submit a Soils Management Workplan, a Health and Safety Plan, a Risk Assessment, a Public Participation Plan, and a plan for activities to be conducted during the Operation and Maintenance phase of remediation at the site. The Order also requires that periodic reports be submitted detailing the status of cleanup activities at the site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 04/01/1989
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction
 Completed Date: 08/10/1989
 Comments: Deed restriction recorded limiting site uses to commercial or office space.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 10/24/2006
 Comments: Site inspection found paved surfaces, landscaping, and building foundations at Fair Isaac Office Park to be in good condition. Paved surfaces on Parcel 4 were somewhat weathered, but still protective of human health and the environment.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 04/16/1999
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Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/28/2008
 Comments: the site is in compliance with the deed restriction

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 04/03/2007
 Comments: VCA finalized for additional cleanup of Parcel 4.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 11/20/2008
 Comments: No evidence of any activities prohibited by the Deed Restriction was observed during the course of the site visit. Impacted soil remains under the building foundations, asphalt surfaces and landscaped areas.
 Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/13/2010
 Comments: The Annual Cap inspection was conducted on April 13, 2010 with the RP from PG&E. Upon observing the current site conditions, DTSC concludes that they remain protective of human health and the environment. Impacted soil remains under the building foundations, asphalt surfaces and landscaped areas, which remain undisturbed.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: CEQA - Initial Study/ Neg. Declaration
 Completed Date: 11/16/2012
 Comments: Public Review

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 10/12/2011
 Comments: Sent out annual cost estimate

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 10/30/2012
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 08/17/2009
 Comments: The three groundwater wells on the north side of Third Street were installed in July and August, 2009. The last well was put in at night on August 17th at the request of a local merchant. Wells will be sampled on Friday, August 21, 2009.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 04/15/1999
 Comments: Report details activities conducted in 1998 for construction of the Fair Isaac Office Park.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 12/05/2005
 Comments: Cap inspection concluded that the remedy remains protective of human health and the environment. Site soils are contained beneath building foundations, asphalt surfaces, and landscaped areas.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 01/13/2006
 Comments: San Francisco Regional Water Quality Control Board issued a fact sheet detailing the status of the site remedy, including the ongoing operations of the groundwater extraction and treatment system.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 04/24/1998
 Comments: PPP submitted for development of Fair Isaac Office Park.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 05/01/1998
 Comments: RWQCB issued fact sheet describing the status of site remediation and the proposed development of Fair Isaac Office Park.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Human Health Risk Assessment Report
 Completed Date: 07/18/1997
 Comments: Risk Assessment concluded that inhalation of petroleum hydrocarbons in site GW does not present significant incremental risks (cancer and noncancer), nor does exposure to petroleum hydrocarbons in site soil.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Implementation Workplan
 Completed Date: 02/26/1998
 Comments: Soil Management Work Plan submitted. Plan outlines procedures to be followed during construction of the proposed redevelopment project.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Workplan
 Completed Date: 12/10/2007
 Comments: Workplan approved 12/7/2007; Hard copies and ecopy of Final Workplan to follow.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 12/19/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Comments: Fieldwork ended 12/19/2007.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 10/21/2008
 Comments: Letter dated 10/21/2008 sent to PG&E to provide notification of approval of the Public Participation Plan.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 11/26/2007
 Comments: Work notice and Community Survey mailed to community on 11/24/2007.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Human Health Risk Assessment Report
 Completed Date: 07/18/1989
 Comments: Risk assessment documents evaluated baseline risk, risk during trenching, risk during construction, and risk after construction at the site.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 05/27/2008
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 08/15/2008
 Comments: Last of field activities (groundwater sampling) performed week of 8/11/2008.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 01/05/1990
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 05/29/2009
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 07/23/2010
 Comments: The conclusion of the RI Report is summarized below: The Site is a part of the 17 acre former PG&E San Rafael Service Center that consists of three parcels, including Parcel 4, which is the focus of this remedial investigation. The Site geology primarily consists of shallow fill material to a depth of approximately 5 to 8 feet

MAP FINDINGS

Map ID
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 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

across most of the Site. The fill contains varying amounts of debris including concrete rubble, sheet metal, brick fragments and lampblack, as well as buried concrete foundations from former MGP facilities in several areas of the Site. The shallow groundwater zone generally occurs within fill material overlying Bay Mud, which ranges in thicknesses from less than two feet to approximately 11 feet. The upper portion of the underlying bedrock is highly weathered, ranging in thickness from 5 to 10 feet. Based on the results of soil sampling activities, chemical impacts frequently associated with visible MGP residues are present in shallow fill soil, and in some areas the upper few feet of the underlying Bay Mud, throughout most of the Site. PAHs, TPHd, TPHmo, TPHg, BTEX, arsenic, lead and cyanide were detected at elevated concentrations in soil samples collected at the Site. The highest chemical concentrations were found in on-site soil samples collected from (1) shallow fill soil mixed with lampblack throughout the southeastern portion of the Site, (2) fill material within the two former in-ground gas holders located in the north-central portion of the Site, and (3) fill material in other somewhat limited areas of the Site. In most areas of the Site, the vertical and lateral extent of these MGP-related constituents has been sufficiently delineated by soil samples with either non-detects or relatively low concentrations. PAHs (including naphthalene), VOCs (primarily BTEX), TPHd, TPHmo, and TPHg have been detected consistently in groundwater samples collected from one or more of the on-site and off-site monitoring wells. The primary sources of these constituents in groundwater appear to be associated with (1) historical filling of the southeastern portion of the Site with lampblack and associated fill, (2) past releases of MGP residues within fill material along the north-central Site boundary, and (3) past releases of crude oil (used as MGP feedstock) in the central portion of the Site. Although groundwater flow is generally radial towards the Site boundaries, the highest concentrations of MGP-related impacts to groundwater appear to be limited to the 3-acre Site and immediately adjacent sidewalk areas, and do not appear to extend across bordering streets. Within an isolated portion of the eastern sidewalk of Lindaro Street, the chemical characteristics of groundwater are markedly different than those of groundwater collected from the other wells on the 3-acre Site. On this basis, it appears that groundwater impacts at this location are not MGP related and are likely related to another unknown source on the east side of Lindaro Street. Based on the evaluation of field observations and analytical results of soil, soil gas, and groundwater samples collected during this RI and previous and ongoing investigations, the characterization of on-site soil, soil gas and groundwater conditions is sufficient to support the preparation of a Risk Assessment and evaluation of remedial alternatives.

Completed Area Name: Fair Isaac Office Park
 Completed Sub Area Name: Not reported
 Completed Document Type: Soils Management Plan
 Completed Date: 01/14/2008
 Comments: The Soil Management Work Plan Addendum specifies soil handling procedures for Phase II and III construction activities at the San Rafael Corporate Center and updates the Soil Management Work Plan previously approved by DTSC on February 26, 1998.

Completed Area Name: Parcel 4

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PG&E, SAN RAFAEL MGP (Continued)

S109348514

Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Investigation Report
 Completed Date: 02/02/2010
 Comments: The November 5, 2009 Data Submittal Supplemental Groundwater Investigation has been reviewed and is complete. The original Nov. 5, 2009 document is now Final.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Plan
 Completed Date: 11/20/2012
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 08/07/2009
 Comments: The Work Notice for the installation of three groundwater wells in the sidewalk area north of Third Street was sent out on August 7, 2009.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Well Decommissioning Report
 Completed Date: 07/08/2010
 Comments: Between May 17 and 24, 2010, excavation, line repair and restoration activities were completed by PSC, PG&E's contractor. Excavation, line repair and a portion of the restoration activities (i.e., backfilling and replacement of concrete sidewalk) were observed and documented by a TPG representative. Specifically, on May 17, PSC staged their equipment onsite. On May 18, PSC cut and removed a section of the concrete sidewalk approximately 12 feet long by 6 feet wide overlying the location of well MW-4. On May 18 and 19, PSC excavated soil to a depth of approximately 8 feet around the well, exposing 3 electric utility lines contained in approximately 4-inch to 6-inch PVC conduits and removing the entire 8-foot-deep monitoring well casing and other completion materials.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 10/04/2012
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Notice
 Completed Date: 10/26/2012
 Comments: Not reported

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Design - Preliminary/Intermediate
 Completed Date: 12/06/2010
 Comments: Pacific Gas and Electric Company's (PG&E's) Pre-Design Investigation Workplan, Former San Rafael Manufactured Gas Plant Site (Workplan). The primary purposes of the pre-design investigation activities

MAP FINDINGS

Map ID
 Direction
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EDR ID Number
 EPA ID Number

Database(s)

PG&E, SAN RAFAEL MGP (Continued)

S109348514

outlined in this Workplan are to observe subsurface soil conditions and former MGP structures, and to obtain additional soil gas data and aquifer parameters to facilitate the design and implementation of the final remedy at the Site. This Workplan outlines the proposed scope of work for exploratory trenching and associated soil sampling, soil gas sampling and aquifer parameter testing. The RP is not seeking DTSC's approval of this Workplan.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Work Notice
 Completed Date: 02/17/2011
 Comments: Work notices (English & Spanish) were completed and mailed on 2-16-2011 as per the PPS.

Completed Area Name: Parcel 4
 Completed Sub Area Name: Not reported
 Completed Document Type: Technical Workplan
 Completed Date: 11/17/2011
 Comments: Not reported

Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Design/Implementation Workplan
 Future Due Date: 2013
 Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2014
 Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2014
 Future Area Name: Parcel 4
 Future Sub Area Name: Not reported
 Future Document Type: Land Use Restriction
 Future Due Date: 2014
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

18

**PG&E SERV CTR SAN RAFAEL
 2ND ST & LINDARO
 SAN RAFAEL, CA 94901**

**CERC-NFRAP 1003878658
 CAD980815674**

CERC-NFRAP:
 Site ID: 0902050
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
 Contact Sequence ID: 13051934.00000
 Person ID: 9271184.00000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E SERV CTR SAN RAFAEL (Continued)

1003878658

Contact Sequence ID: 13289135.00000
 Person ID: 13003854.00000

Contact Sequence ID: 13294730.00000
 Person ID: 13003858.00000

Contact Sequence ID: 13300588.00000
 Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: PG & E SERV
 Alias Address: 3RD ST & BROOKS AVE
 SAN RAFAEFL, CA 94901

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
 Date Started: Not reported
 Date Completed: 09/01/1982
 Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
 Date Started: 07/01/1985
 Date Completed: 11/01/1985
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: SITE INSPECTION
 Date Started: Not reported
 Date Completed: 04/04/1991
 Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
 Date Started: Not reported
 Date Completed: 04/04/1991
 Priority Level: Not reported

**19 LINCOLN SHELL
 755 002ND ST
 SAN RAFAEL, CA 94901**

**CA FID UST S101588528
 SWEEPS UST N/A**

CA FID UST:

Facility ID: 21001787
 Regulated By: UTNKA
 Regulated ID: 00056702
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154535190
 Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LINCOLN SHELL (Continued)

S101588528

SWEEPS UST:

Status: Active
 Comp Number: 56702
 Number: 1
 Board Of Equalization: 44-000074
 Referral Date: 02-04-94
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 6918-03-REG-2
 Swrcb Tank Id: 21-028-056702-000001
 Actv Date: 02-04-94
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 4

Status: Active
 Comp Number: 56702
 Number: 1
 Board Of Equalization: 44-000074
 Referral Date: 02-04-94
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 6918-03-REG-1
 Swrcb Tank Id: 21-028-056702-000002
 Actv Date: 02-04-94
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 56702
 Number: 1
 Board Of Equalization: 44-000074
 Referral Date: 02-04-94
 Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 6918-03-PL-1
 Swrcb Tank Id: 21-028-056702-000003
 Actv Date: 02-04-94
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: PRM UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 56702
 Number: 1
 Board Of Equalization: 44-000074
 Referral Date: 02-04-94

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LINCOLN SHELL (Continued)

S101588528

Action Date: 06-07-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 6918-03-PRE-1
 Swrcb Tank Id: 21-028-056702-000004
 Actv Date: 02-04-94
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: PRM UNLEADED
 Number Of Tanks: Not reported

**19 SHELL SS #80309
 755 2ND
 SAN RAFAEL, CA 94901**

**HIST CORTESE S100229788
 LUST N/A
 ENF**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0130

LUST:

Region: STATE
 Global Id: T0604100123
 Latitude: 37.970455339584
 Longitude: -122.523908615112
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/02/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0130
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Multiple excavations done. Some remaining in soil in NE corner due to depth and several utilities. To be capped under a parking lot. Covered by deed restriction and soil management plan with adjoining property. See case 21-0341.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100123
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100123

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Action Type:	ENFORCEMENT
Date:	04/24/1992
Action:	Meeting
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	02/26/2007
Action:	13267 Requirement
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	09/15/2003
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	01/10/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	10/20/2005
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	08/31/2005
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	10/31/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	07/02/2009
Action:	Closure/No Further Action Letter
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	03/29/2006
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	04/10/2006
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/23/1998

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Action:	Correspondence
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/12/1991
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	01/13/1994
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	02/21/1997
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	10/20/1993
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/03/1996
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/01/1998
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	08/24/1998
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	08/10/1998
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	04/13/1992
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	06/30/1998
Action:	Tank Removal Workplan
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	04/28/1998
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Global Id:	T0604100123
Action Type:	RESPONSE
Date:	01/30/1992
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/14/1998
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/01/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	01/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	04/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	09/10/2003
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	02/22/2007
Action:	Meeting
Global Id:	T0604100123
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	12/10/1993
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/19/1991
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Date: 06/30/1998
 Action: Monitoring Report - Quarterly

Global Id: T0604100123
 Action Type: RESPONSE
 Date: 01/27/1992
 Action: Monitoring Report - Quarterly

Global Id: T0604100123
 Action Type: RESPONSE
 Date: 12/12/1991
 Action: Correspondence

Global Id: T0604100123
 Action Type: RESPONSE
 Date: 12/12/1991
 Action: Tank Removal Workplan

Global Id: T0604100123
 Action Type: RESPONSE
 Date: 05/29/1998
 Action: Correspondence

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 01/30/2006
 Action: Meeting

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 09/15/2005
 Action: Meeting

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 03/30/2006
 Action: Meeting

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 11/28/2005
 Action: * Verbal Communication

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 12/05/2005
 Action: * Verbal Communication

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 02/15/2006
 Action: * Verbal Communication

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 03/27/2006
 Action: * Verbal Communication

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	03/08/2006
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	03/28/2006
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	04/01/2006
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	04/03/2006
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	01/29/2007
Action:	* Verbal Communication
Global Id:	T0604100123
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0604100123
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/22/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	07/01/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	01/24/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	02/21/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100123
Action Type:	Other

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100123
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100123
Action Type:	ENFORCEMENT
Date:	05/30/2002
Action:	Staff Letter
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	06/05/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	06/04/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	06/03/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	06/02/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	06/01/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/30/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/29/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/28/2003
Action:	Other Report / Document
Global Id:	T0604100123
Action Type:	RESPONSE
Date:	05/27/2003
Action:	Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SHELL SS #80309 (Continued)

S100229788

Global Id: T0604100123
 Action Type: RESPONSE
 Date: 01/31/2005
 Action: Monitoring Report - Quarterly

Global Id: T0604100123
 Action Type: ENFORCEMENT
 Date: 06/22/1998
 Action: Clean Up Fund - Letter to RP

LUST REG 2:

Region: 2
 Facility Id: 21-0130
 Facility Status: Pollution Characterization
 Case Number: 210130
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: 10/18/1990
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

ENF:

Region: 2
 Facility Id: 260963
 Agency Name: Shell Oil Company - Concord
 Place Type: Facility
 Place Subtype: Not reported
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 37.9707620
 Place Longitude: -122.52370
 SIC Code 1: Not reported
 SIC Desc 1: Not reported
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: Not reported
 Threat To Water Quality: Not reported
 Complexity: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SS #80309 (Continued)

S100229788

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0130
Reg Measure Id:	168964
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237176
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	02/09/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0130
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SS #80309 (Continued)

S100229788

Region:	2
Facility Id:	260963
Agency Name:	Shell Oil Company - Concord
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9707620
Place Longitude:	-122.52370
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0130
Reg Measure Id:	168964
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SS #80309 (Continued)

S100229788

Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237175
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/01/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	12/30/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0130
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	12/30/1999
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	260963
Agency Name:	Shell Oil Company - Concord
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9707620
Place Longitude:	-122.52370
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SS #80309 (Continued)

S100229788

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0130
Reg Measure Id:	168964
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237174
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	11/03/1998
Adoption/Issuance Date:	Not reported
Achieve Date:	10/15/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0130
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	10/15/1999
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

19 **LINCOLN SHELL** **UST** **U003782124**
755 SECOND STREET **N/A**
SAN RAFAEL, CA 94901

UST:
 Facility ID: 300052
 Latitude: 37.97069
 Longitude: -122.52375

19 **S.P. OPER.** **HIST UST** **U001599972**
755 2ND ST **N/A**
SAN RAFAEL, CA 94901

HIST UST:
 Region: STATE
 Facility ID: 00000056702
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0005
 Contact Name: Not reported
 Telephone: 4154535190
 Owner Name: SHELL OIL COMPANY
 Owner Address: P.O. BOX 4848
 Owner City,St,Zip: ANAHEIM, CA 92803

Tank Num: 001
 Container Num: 1
 Year Installed: 1963
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 002
 Container Num: 2
 Year Installed: 1963
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 003
 Container Num: 3
 Year Installed: 1963
 Tank Capacity: 00008000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 004
 Container Num: 4
 Year Installed: 1970
 Tank Capacity: 00008000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

S.P. OPER. (Continued)

U001599972

Tank Num: 005
 Container Num: 5
 Year Installed: 1974
 Tank Capacity: 00000550
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 12 gauge
 Leak Detection: Stock Inventor, 10

19

**MARIN COLOR SERVICE
 770 2ND ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST**

**S101307513
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0070

LUST:

Region: STATE
 Global Id: T0604100067
 Latitude: 37.9707883
 Longitude: -122.5241019
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 09/14/1998
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0070
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100067
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100067
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN COLOR SERVICE (Continued)

S101307513

LUST:

Global Id: T0604100067
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100067
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100067
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0070
 Facility Status: Case Closed
 Case Number: 31
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 12/21/1994
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

20

**ARCO SERV STA NO 02135
 440 THIRD
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000326896
 FINDS CAT080029440
 HIST CORTESE
 LUST**

RCRA NonGen / NLR:

Date form received by agency: 11/08/2002
 Facility name: ARCO SERV STA NO 02135
 Facility address: 440 THIRD
 SAN RAFAEL, CA 94901
 EPA ID: CAT080029440
 Mailing address: RENELAND WAY
 PLEASANTON, CA 94566
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 3836 RENELAND WAY
 PLEASANTON, CA 94566
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Land type: Facility is not located on Indian land. Additional information is not known.
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ARCO SERV STA NO 02135 (Continued)

1000326896

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/21/1985
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

FINDS:

Registry ID: 110002955286

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0011

LUST:

Region: STATE
 Global Id: T0604100011
 Latitude: 37.970884
 Longitude: -122.517156
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/05/2006
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ARCO SERV STA NO 02135 (Continued)

1000326896

RB Case Number: 21-0011
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100011
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100011
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100011
 Action Type: RESPONSE
 Date: 05/22/2006
 Action: Unknown

Global Id: T0604100011
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100011
 Action Type: ENFORCEMENT
 Date: 01/05/2006
 Action: Closure/No Further Action Letter

Global Id: T0604100011
 Action Type: ENFORCEMENT
 Date: 11/17/2005
 Action: * Verbal Communication

Global Id: T0604100011
 Action Type: ENFORCEMENT
 Date: 12/15/2005
 Action: * Verbal Communication

Global Id: T0604100011
 Action Type: Other
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ARCO SERV STA NO 02135 (Continued)

1000326896

Action:	Leak Reported
Global Id:	T0604100011
Action Type:	ENFORCEMENT
Date:	07/22/2003
Action:	Staff Letter
Global Id:	T0604100011
Action Type:	ENFORCEMENT
Date:	12/03/2003
Action:	* Verbal Communication
Global Id:	T0604100011
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100011
Action Type:	ENFORCEMENT
Date:	01/05/2006
Action:	* Verbal Communication
Global Id:	T0604100011
Action Type:	ENFORCEMENT
Date:	12/01/2005
Action:	* Verbal Communication
Global Id:	T0604100011
Action Type:	ENFORCEMENT
Date:	12/05/2005
Action:	* Verbal Communication
Global Id:	T0604100011
Action Type:	RESPONSE
Date:	06/05/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100011
Action Type:	RESPONSE
Date:	09/16/2003
Action:	Monitoring Report - Quarterly

LUST REG 2:

Region:	2
Facility Id:	21-0011
Facility Status:	Pollution Characterization
Case Number:	21-34
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assessment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	1/30/1989
Pollution Characterization Began:	4/26/1990
Pollution Remediation Plan Submitted:	Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

ARCO SERV STA NO 02135 (Continued)

1000326896

Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

**20 ARCO SERVICE STATION #2135
 440 THIRD STREET
 SAN RAFAEL, CA 92691**

**Notify 65 S100178813
 N/A**

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

**20 CHEVRON #-6621
 475 3RD ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S110060565
 LUST N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0290

LUST:
 Region: STATE
 Global Id: T0604100272
 Latitude: 37.9707344478762
 Longitude: -122.518501281738
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 09/09/2010
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0290
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
 Global Id: T0604100272
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON #-6621 (Continued)

S110060565

LUST:

Global Id:	T0604100272
Action Type:	RESPONSE
Date:	10/01/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	02/09/2010
Action:	Meeting
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	12/17/2007
Action:	* Verbal Communication
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	10/17/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	01/07/2010
Action:	Petition Submitted for Review
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	03/27/2007
Action:	File review
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	09/09/2010
Action:	Closure/No Further Action Letter
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	04/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	03/07/2008
Action:	13267 Requirement
Global Id:	T0604100272
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	06/01/2005
Action:	Correspondence
Global Id:	T0604100272

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON #-6621 (Continued)

S110060565

Action Type:	RESPONSE
Date:	02/16/2001
Action:	Unauthorized Release Form
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	04/17/2002
Action:	Other Report / Document
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	08/29/2000
Action:	Other Report / Document
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	09/25/1996
Action:	Correspondence
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	03/01/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	04/03/1995
Action:	Correspondence
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	04/29/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	02/19/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	05/17/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	09/11/2000
Action:	Other Report / Document
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	07/28/1989
Action:	Other Report / Document
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	09/08/1997

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON #-6621 (Continued)

S110060565

Action:	Other Report / Document
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	05/24/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	09/27/1995
Action:	Other Report / Document
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	10/30/1996
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	06/23/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	01/14/2008
Action:	Meeting
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	12/28/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	03/01/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	12/31/1996
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	10/31/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	07/11/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON #-6621 (Continued)

S110060565

Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	10/04/2007
Action:	Staff Letter
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	05/30/2008
Action:	Sensitive Receptor Survey Report
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	09/18/2008
Action:	13267 Requirement
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	08/10/2007
Action:	Staff Letter
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	06/15/2007
Action:	Other Workplan
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	10/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	04/29/2010
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0604100272
Action Type:	RESPONSE
Date:	11/28/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	11/12/2009
Action:	13267 Requirement
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	08/21/2003
Action:	File review
Global Id:	T0604100272
Action Type:	ENFORCEMENT
Date:	04/25/2007
Action:	Staff Letter
Global Id:	T0604100272
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON #-6621 (Continued)

S110060565

Date: 12/16/2008
 Action: 13267 Requirement

Global Id: T0604100272
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100272
 Action Type: ENFORCEMENT
 Date: 02/08/2007
 Action: File review

Global Id: T0604100272
 Action Type: RESPONSE
 Date: 11/19/2007
 Action: Other Report / Document

Global Id: T0604100272
 Action Type: RESPONSE
 Date: 02/15/2008
 Action: Soil and Water Investigation Report

20

**RINEHART OIL
 475 3RD ST
 SAN RAFAEL, CA 94901**

**LUST S105030540
 HAZNET N/A**

LUST REG 2:

Region: 2
 Facility Id: 21-0290
 Facility Status: Preliminary site assessment workplan submitted
 Case Number: 21-0290
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 2/15/1995
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 3/21/1996
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2009
 Gepaid: CAC002187962
 Contact: DAVID WATSON
 Telephone: 7074628811
 Mailing Name: Not reported
 Mailing Address: 2701 N STATE ST
 Mailing City,St,Zip: UKIAH, CA 954823026
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Other organic solids

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RINEHART OIL (Continued)

S105030540

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.3
 Facility County: Marin

21

**SAFEWAY
 700 B ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S102436256
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0210

LUST:

Region: STATE
 Global Id: T0604100201
 Latitude: 37.97026
 Longitude: -122.5289
 Case Type: LUST Cleanup Site
 Status: Open - Inactive
 Status Date: 03/18/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: UUU
 Local Agency: Not reported
 RB Case Number: 21-0210
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: Polychlorinated biphenyls (PCBs), Other Petroleum
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100201
 Contact Type: Regional Board Caseworker
 Contact Name: Regional Board (RB2)
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST SUITE 1400
 City: OAKLAND
 Email: Not reported
 Phone Number: Not reported

LUST:

Global Id: T0604100201
 Action Type: ENFORCEMENT
 Date: 12/28/2006
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100201
 Action Type: ENFORCEMENT
 Date: 01/12/2012
 Action: File review

Global Id: T0604100201

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAFEWAY (Continued)

S102436256

Action Type:	ENFORCEMENT
Date:	07/22/2009
Action:	File review
Global Id:	T0604100201
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100201
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100201
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0210
Facility Status:	Leak being confirmed
Case Number:	21-0210
How Discovered:	OM
Leak Cause:	Overfill
Leak Source:	Other Source
Date Leak Confirmed:	7/18/1994
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

HAZNET:

Year:	2011
Gepaid:	CAL000353629
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	5918 STONERIDGE MALL RD
Mailing City,St,Zip:	PLEASANTON, CA 945883229
Gen County:	Not reported
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Not reported
Tons:	0.0535
Facility County:	Marin
Year:	2011
Gepaid:	CAL000353629
Contact:	SHARON PLOUFFE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAFEWAY (Continued)

S102436256

Telephone: 9252265097
 Mailing Name: Not reported
 Mailing Address: 5918 STONERIDGE MALL RD
 Mailing City, St, Zip: PLEASANTON, CA 945883229
 Gen County: Not reported
 TSD EPA ID: INR000110197
 TSD County: Not reported
 Waste Category: Unspecified aqueous solution
 Disposal Method: Not reported
 Tons: 0.0535
 Facility County: Marin

22

**JAKE MATTHEWS
 360 3RD ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S102439805
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0299

LUST:

Region: STATE
 Global Id: T0604100281
 Latitude: 37.970566
 Longitude: -122.516125
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/01/2008
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0299
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Stoddard solvent / Mineral Spruits / Distillates
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100281
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100281
 Action Type: RESPONSE
 Date: 07/20/2007
 Action: Soil and Water Investigation Report

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

JAKE MATTHEWS (Continued)

S102439805

Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	04/03/2007
Action:	13267 Requirement
Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	07/10/2003
Action:	Staff Letter
Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	10/10/2007
Action:	13267 Requirement
Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	12/28/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	12/12/2006
Action:	* Verbal Communication
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	01/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	03/30/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	07/25/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100281
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	02/21/1995
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	12/07/2001
Action:	Monitoring Report - Quarterly
Global Id:	T0604100281
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

JAKE MATTHEWS (Continued)

S102439805

Date:	06/12/2001
Action:	Sensitive Receptor Survey Report
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	08/20/1999
Action:	Monitoring Report - Quarterly
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	06/27/1995
Action:	Preliminary Site Assessment Report
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	03/08/2001
Action:	Other Report / Document
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	04/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	12/14/1994
Action:	Other Report / Document
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	06/02/1999
Action:	Monitoring Report - Quarterly
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	09/03/1999
Action:	Request for Closure
Global Id:	T0604100281
Action Type:	RESPONSE
Date:	11/02/2007
Action:	Other Report / Document
Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	01/29/2007
Action:	Staff Letter
Global Id:	T0604100281
Action Type:	ENFORCEMENT
Date:	11/25/2008
Action:	Closure/No Further Action Letter
Global Id:	T0604100281
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

JAKE MATTHEWS (Continued)

S102439805

Global Id: T0604100281
 Action Type: RESPONSE
 Date: 04/23/2007
 Action: Monitoring Report - Quarterly

Global Id: T0604100281
 Action Type: RESPONSE
 Date: 07/30/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100281
 Action Type: RESPONSE
 Date: 03/15/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604100281
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100281
 Action Type: RESPONSE
 Date: 04/24/2003
 Action: Monitoring Report - Quarterly

LUST REG 2:

Region: 2
 Facility Id: 21-0299
 Facility Status: Preliminary site assessment underway
 Case Number: 21-0299
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: 7/6/1995
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2011
 Gepaid: CAC002681038
 Contact: DAVID SALAZAR
 Telephone: 4158128756
 Mailing Name: Not reported
 Mailing Address: 450 1ST ST E STE A
 Mailing City,St,Zip: SONOMA, CA 954766760
 Gen County: Not reported
 TSD EPA ID: CAT080012602
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JAKE MATTHEWS (Continued)

S102439805

(H010-H129) Or (H131-H135)
 Tons: 5.2542
 Facility County: Marin
 Year: 2007
 Gepaid: CAL000281024
 Contact: DANELLE EICHHORST
 Telephone: 2812933723
 Mailing Name: Not reported
 Mailing Address: 600 N DAIRY ASHFORD -US MARKETING -
 Mailing City,St,Zip: HOUSTON, TX 77079
 Gen County: Marin
 TSD EPA ID: CAD982444481
 TSD County: San Bernardino
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.02
 Facility County: Marin

Year: 2007
 Gepaid: CAL000205274
 Contact: DON NG/OWNER
 Telephone: 4154821682
 Mailing Name: Not reported
 Mailing Address: 360 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT080013352
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
 Organics Recovery Ect
 Tons: 1.36
 Facility County: Marin

Year: 2007
 Gepaid: CAL000281024
 Contact: DANELLE EICHHORST
 Telephone: 2812933723
 Mailing Name: Not reported
 Mailing Address: 600 N DAIRY ASHFORD -US MARKETING -
 Mailing City,St,Zip: HOUSTON, TX 77079
 Gen County: Marin
 TSD EPA ID: CAD982444481
 TSD County: San Bernardino
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0
 Facility County: Marin

Year: 1996
 Gepaid: CAL000063481
 Contact: MONTECITO PETROLEUM INC
 Telephone: 0000000000
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JAKE MATTHEWS (Continued)

S102439805

Mailing Address: 360 3RD ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015604
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Transfer Station
 Tons: .0624
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 2 additional CA_HAZNET: record(s) in the EDR Site Report.

**23 PG AND E GAS PLANT SAN RAFAEL
 SW COR 3RD AND LINDERO STREETS
 SAN RAFAEL, CA 94901**

**EDR MGP 1008407770
 N/A**

Manufactured Gas Plants:
 No additional information available

**23 SAN RAFAEL SERVICE CENTER
 750 LINDARO STREET
 SAN RAFAEL, CA 94912**

**NPDES U001600042
 HIST UST N/A**

NPDES:

Npdes Number: CAS000002
 Facility Status: Terminated
 Agency Id: 0
 Region: 2
 Regulatory Measure Id: 354635
 Order No: 2009-0009-DWQ
 Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 2 21C353964
 Program Type: Construction
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 11/13/2008
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: 03/24/2010
 Discharge Name: San Rafael Corporate Center Phase Two LLC co Seagate Prop
 Discharge Address: 980 Fifth St
 Discharge City: San Rafael
 Discharge State: California
 Discharge Zip: 94901

HIST UST:

Region: STATE
 Facility ID: 00000028211
 Facility Type: Other
 Other Type: COMPANY FUEL STA
 Total Tanks: 0003
 Contact Name: MR. AL HORN
 Telephone: 4154541955
 Owner Name: PACIFIC GAS AND ELECTRIC COMPA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL SERVICE CENTER (Continued)

U001600042

Owner Address: P.O. BOX 2669
 Owner City,St,Zip: SAN RAFAEL, CA 94912

Tank Num: 001
 Container Num: 5
 Year Installed: Not reported
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 6
 Year Installed: Not reported
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 003
 Container Num: 7
 Year Installed: Not reported
 Tank Capacity: 00000150
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: None

23

**PACIFIC GAS AND ELECTRIC - SAN RAFAEL
 750 LINDARO AVENUE
 SAN RAFAEL, CA 94915**

**CA BOND EXP. PLAN S100833560
 N/A**

CA BOND EXP. PLAN:

Reponsible Party: COST RECOVERY/OPERATION AND MAINTENANCE SITE
 Project Revenue Source Company: Not reported
 Project Revenue Source Addr: Not reported
 Project Revenue Source City,St,Zip: Not reported
 Project Revenue Source Desc: PG&E owns the site. One parcel will be transferred to the City of San Rafael. PG&E has incurred all cleanup costs.

Site Description: A former gas plant facility operated at this site. The facility ceased operations sometime in the 1950s. Subsurface deposits of lampblack (coal-tar residues) are found in varying concentrations throughout the site. Ground water is contaminated. The southeast parcel of this property has been transferred to the City of San Rafael for commercial development. The property does not currently have deed restrictions.

Hazardous Waste Desc: PNAs (polynuclear aromatic hydrocarbons) including phenanthrene, pyrene, fluoranthrene, naphthalene, acenaphthene, acenaphthylene, fluorene, benzo (a) anthracene, benzo (a) pyrene and indeno (1,2,3, -cd) pyrene are chemicals of concern.

Threat To Public Health & Env: Since the remediation options have been installed, the main threat would be inhalation exposure to organic vapors and contaminated airborne soil and dermal exposure to contaminated soil and lampblack during excavation and construction operations.

Site Activity Status: The site is currently in the operation and maintenance phase. A ground water control system using a trench extraction system and a slurry wall was installed in 1985 and continues to operate. Contaminated soil produced during the

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC GAS AND ELECTRIC - SAN RAFAEL (Continued)

S100833560

installation was disposed of in an approved Class I landfill. At present, the site needs deed restrictions. DHS will prepare draft deed restrictions. DHS will also issue an order for operation and maintenance.

23

**PG&E SAN RAFAEL SERVICE CENTER
 750 LINDARO ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000198499
 FINDS CAD981382070
 HAZNET**

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: PG&E SAN RAFAEL SERVICE CENTER
 Facility address: 750 LINDARO ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981382070
 Mailing address: P O BOX 2669
 SAN RAFAEL, CA 94912
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: PG&E
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG&E SAN RAFAEL SERVICE CENTER (Continued)

1000198499

Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 03/04/1986
 Facility name: PG&E SAN RAFAEL SERVICE CENTER
 Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002687959

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2006
 Gepaid: CAD981382070
 Contact: JANAIZE MARKLAND
 Telephone: 7075777007
 Mailing Name: Not reported
 Mailing Address: PO BOX 7640
 Mailing City, St, Zip: SAN FRANCISCO, CA 941200000
 Gen County: Marin
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Disposal, Land Fill
 Tons: 12.64
 Facility County: Marin

Year: 2005
 Gepaid: CAD981382070
 Contact: JANAIZE MARKLAND
 Telephone: 7075777007
 Mailing Name: Not reported

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)Site	Database(s)	EPA ID Number

PG&E SAN RAFAEL SERVICE CENTER (Continued)

1000198499

Mailing Address: PO BOX 7640
Mailing City,St,Zip: SAN FRANCISCO, CA 941200000
Gen County: Marin
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 3.15
Facility County: Not reported

24

**CLASSIC AUTO CRAFT
235 LINCOLN AVE
SAN RAFAEL, CA 94901**

**RCRA-SQG 1000386724
FINDS CAD982045213
HAZNET**

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: CLASSIC AUTO CRAFT
Facility address: 235 LINCOLN AVE
SAN RAFAEL, CA 94901
EPA ID: CAD982045213
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: HUNG VU
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CLASSIC AUTO CRAFT (Continued)

1000386724

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 10/05/1987
 Facility name: CLASSIC AUTO CRAFT
 Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/07/2000
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002787039

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2007
 Gepaid: CAD982045213
 Contact: --
 Telephone: 4154591246
 Mailing Name: Not reported
 Mailing Address: 735 LINCOLN AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CLASSIC AUTO CRAFT (Continued)

1000386724

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)

Tons: 0.13

Facility County: Marin

Year: 2006

Gepaid: CAD982045213

Contact: --

Telephone: 4154591246

Mailing Name: Not reported

Mailing Address: 735 LINCOLN AVE

Mailing City,St,Zip: SAN RAFAEL, CA 949010000

Gen County: Marin

TSD EPA ID: CA0000084517

TSD County: Sacramento

Waste Category: Not reported

Disposal Method: Transfer Station

Tons: Not reported

Facility County: Marin

Year: 2005

Gepaid: CAD982045213

Contact: --

Telephone: 4154591246

Mailing Name: Not reported

Mailing Address: 735 LINCOLN AVE

Mailing City,St,Zip: SAN RAFAEL, CA 949010000

Gen County: Marin

TSD EPA ID: CA0000084517

TSD County: Sacramento

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Disposal Method: Not reported

Tons: 0.27

Facility County: Not reported

Year: 2004

Gepaid: CAD982045213

Contact: --

Telephone: 4154591246

Mailing Name: Not reported

Mailing Address: 735 LINCOLN AVE

Mailing City,St,Zip: SAN RAFAEL, CA 949010000

Gen County: Marin

TSD EPA ID: CA0000084517

TSD County: Sacramento

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Disposal Method: Not reported

Tons: 0.27

Facility County: Not reported

Year: 2003

Gepaid: CAD982045213

Contact: Not reported

Telephone: 4154591246

Mailing Name: Not reported

Mailing Address: 235 LINCOLN AVE

Mailing City,St,Zip: SAN RAFAEL, CA 949010000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CLASSIC AUTO CRAFT (Continued)

1000386724

Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: 1.54
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 17 additional CA_HAZNET: record(s) in the EDR Site Report.

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**WESTERN BOAT
 101 THIRD STREET
 SAN RAFAEL, CA 94901**

**LUST U001599991
 UST N/A
 HIST UST**

LUST:

Region: STATE
 Global Id: T0604194014
 Latitude: 37.968362
 Longitude: -122.51201
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/01/2001
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0356
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604194014
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604194014
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604194014
 Action Type: Other
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WESTERN BOAT (Continued)

U001599991

Action: Leak Discovery

Global Id: T0604194014
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604194014
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0356
 Facility Status: Case Closed
 Case Number: Not reported
 How Discovered: Tank Closure
 Leak Cause: Overfill
 Leak Source: Other Source
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

UST:

Facility ID: 300362
 Latitude: 37.96886
 Longitude: -122.51236

HIST UST:

Region: STATE
 Facility ID: 00000024751
 Facility Type: Other
 Other Type: Not reported
 Total Tanks: 0003
 Contact Name: DUANE FREDERICH PRES.
 Telephone: 4154544177
 Owner Name: WESTERN BOAT SHOP
 Owner Address: 101 3RD ST
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: #1
 Year Installed: Not reported
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WESTERN BOAT (Continued)

U001599991

Tank Num: 002
 Container Num: #3
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Visual

Tank Num: 003
 Container Num: #2
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Visual

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**MARIN BOAT HOUSE
 115 THIRD STREET
 SAN RAFAEL, CA**

**SLIC S106234959
 N/A**

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 02/14/2002
 Global Id: SLT2O369259
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.96869
 Longitude: -122.510589
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21S0035
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 2:

Region: 2
 Facility ID: 21S0035
 Facility Status: Case Closed
 Date Closed: Not reported
 Local Case #: Not reported
 How Discovered: GOV
 Leak Cause: Not reported
 Leak Source: Not reported
 Date Confirmed: Not reported
 Date Prelim Site Assmnt Workplan Submitted: Not reported
 Date Preliminary Site Assessment Began: Not reported
 Date Pollution Characterization Began: Not reported
 Date Remediation Plan Submitted: Not reported
 Date Remedial Action Underway: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

MARIN BOAT HOUSE (Continued)

S106234959

Date Post Remedial Action Monitoring Began: Not reported

25

**HARRIS PROPERTY
171 3RD ST
SAN RAFAEL, CA 94901**

**HIST CORTESE
LUST
HAZNET**

**S101307517
N/A**

CORTESE:

Region:	CORTESE
Facility County Code:	21
Reg By:	LTNKA
Reg Id:	21-0183

LUST:

Region:	STATE
Global Id:	T0604100174
Latitude:	37.969902
Longitude:	-122.514748
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/02/2001
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	JMJ
Local Agency:	Not reported
RB Case Number:	21-0183
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0604100174
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported

Global Id:	T0604100174
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN JANG
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	jjang@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100174
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

HARRIS PROPERTY (Continued)

S101307517

Global Id: T0604100174
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100174
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0183
 Facility Status: Case Closed
 Case Number: 73
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 1/5/1995
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2004
 Gepaid: CAL000172953
 Contact: KARLYN OR BRUCE GOOD
 Telephone: 4154530270
 Mailing Name: Not reported
 Mailing Address: 810 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.07
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000172953
 Contact: KARLYN OR BRUCE GOOD
 Telephone: 4154530270
 Mailing Name: AUTO SOLUTIONS/TRIPLE S TIRES DBA
 Mailing Address: 810 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HARRIS PROPERTY (Continued)

S101307517

Tons: 0.14
 Facility County: Marin

25

**MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT
 201 3RD STREET
 SAN RAFAEL, CA 94901**

**HIST Cal-Sites
 HIST CORTESE
 DEED
 VCP
 HAZNET
 ENVIROSTOR**

**S100269682
 N/A**

Calsite:

Facility ID: 21070001
 Region: 2
 Region Name: BERKELEY
 Branch: NC
 Branch Name: NORTH COAST
 File Name: MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT
 State Senate District: 05132003
 Status: CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES
 IMPLEMENTED, REMEDIATION CONTINUES
 Status Name: CERTIFIED / OPERATION & MAINTENANCE
 Lead Agency: DTSC
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
 Facility Type: RP
 Type Name: RESPONSIBLE PARTY
 NPL: Not Listed
 SIC Code: 07
 SIC Name: AGRICULTURAL SERVICES
 Access: Controlled
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Confirmed
 Staff Member Responsible for Site: XBRYANT
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: SF
 Region Water Control Board Name: SAN FRANCISCO BAY
 Lat/Long Direction: Not reported
 Lat/Long (dms): 0 0 0 / 0 0 0
 Lat/long Method: Not reported
 Lat/Long Description: Not reported
 State Assembly District Code: 06
 State Senate District Code: 03
 Facility ID: 21070001
 Activity: SS
 Activity Name: SITE SCREENING
 AWP Code: Not reported
 Proposed Budget: 0
 AWP Completion Date: Not reported
 Revised Due Date: Not reported
 Comments Date: 01071991
 Est Person-Yrs to complete: 0
 Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: COM
 Definition of Status: CERTIFIED / OPERATION & MAINTENANCE
 Liquids Removed (Gals): 0
 Liquids Treated (Gals): 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	21070001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03241992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	21070001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06191992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	2000
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	2000 CU YDS OF CONTAMINATED SOIL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Facility ID:	21070001
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06291992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	21070001
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01152003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	21070001
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	OM
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01152003
Est Person-Yrs to complete:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	21070001
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05132003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	21070001
Activity:	5YEAR
Activity Name:	FIVE-YEAR REVIEW REQUIRED BY CERCLA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	05132008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Removal Action Certification: Not reported
 Activity Comments: Not reported
 For Commercial Reuse: 0
 For Industrial Reuse: 0
 For Residential Reuse: 0
 Unknown Type: 0
 Alternate Address: 201 3RD STREET
 Alternate City,St,Zip: SAN RAFAEL, CA 94901
 Background Info: The Marin-Sonoma Mosquito Abatement District (District) Site is approximately 0.88 acre and is located at 201 3rd Street in San Rafael. It was owned and operated by the District from the 1940's through 1981. During the District's years of operation various pesticides were used and stored at the property. The District also conducted vehicle maintenance operations at the facility. An underground storage tank containing leaded gasoline was on the Site. Pesticides used at the Site included DDD, DDE, and DDT. Total petroleum petroleum hydrocarbons (TPH) have been detected in soils at the Site. Low levels of petroleum hydrocarbons have been found in the groundwater. 201 Third Street Associates, LLC purchased the property in 1998. The local fire department is conducting an investigation at an adjacent property. DTSC referred this ongoing investigation to that agency.
 Comments Date: 01152003
 Comments: Recorded Deed Restriction prohibiting residential uses. Signed
 Comments Date: 01152003
 Comments: O&M Agreement requiring biannual cap inspections and annual
 Comments Date: 01152003
 Comments: groundwater monitoring.
 Comments Date: 03241992
 Comments: Completed PEA.
 Comments Date: 05132003
 Comments: Certified Site.
 Comments Date: 06191992
 Comments: Completed RA. Approximately 1500 cubic yards of
 Comments Date: 06191992
 Comments: pesticide-contaminated soil was disposed off-site.
 ID Name: CALSTARS CODE
 ID Value: 200311
 Alternate Name: MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT
 Special Programs Code: Not reported
 Special Programs Name: Not reported

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: CALSI
 Reg Id: 21070001

DEED:

Area: PROJECT WIDE
 Sub Area: Not reported
 Site Type: VOLUNTARY CLEANUP
 Status: CERTIFIED / OPERATION & MAINTENANCE
 Deed Date(s): 01/15/2003

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

VCP:

Facility ID: 21070001
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Site Mgmt. Req.: REM, ASP, FOUN, LUC, MON, EX, GW, OIL, NOWN, NDAM, NUSE, NDEV, NSUB, EXT, HS, SCH, FOOD, COV, RES
 Acres: 0.9
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
 Project Manager: Claude Jemison
 Supervisor: Mark Piros
 Division Branch: Cleanup Berkeley
 Site Code: 200311
 Assembly: 10
 Senate: 02
 Special Programs Code: Not reported
 Status: Certified / Operation & Maintenance
 Status Date: 05/13/2003
 Restricted Use: YES
 Funding: Responsible Party
 Lat/Long: 37.96931 / -122.5151
 APN: 014-151-11
 Past Use: EQUIPMENT/INSTRUMENT REPAIR, FUEL - VEHICLE STORAGE/ REFUELING, MACHINE SHOP, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
 Potential COC: 30003, 30008, 30024, 30593
 Confirmed COC: 30003,30008,30024,30593
 Potential Description: OTH, SOIL
 Alias Name: MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT
 Alias Type: Alternate Name
 Alias Name: Montecito Plaza Overflow Parking Lot
 Alias Type: Alternate Name
 Alias Name: 014-151-11
 Alias Type: APN
 Alias Name: 110033608781
 Alias Type: EPA (FRS #)
 Alias Name: SL18312732
 Alias Type: GeoTracker Global ID
 Alias Name: 200311
 Alias Type: Project Code (Site Code)
 Alias Name: 21070001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 05/05/2008
 Comments: Report may DTSC's Semi-Annual Operation & Maintenance requirements for the Site.
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 10/17/2007
 Comments: Semi-Annual groundwater will continue. Next sampling event scheduled

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

for January 2008.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: 5 Year Review Workplan
 Completed Date: 09/27/2007
 Comments: 5-Year Workplan approved. Report due to DTSC by November 24, 2007.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Long Term Monitoring Report
 Completed Date: 10/07/2008
 Comments: Semi Annual Report approved

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/15/2010
 Comments: Report accepted; Acceptance letter sent with DTSC Annual Inspection Report; Requested repairs on asphalt cracks at MW-6 and missing bolts from monitor wells protective plates for MW-6 & 8.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 05/28/2009
 Comments: Groundwater sampling results inline with historical data

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/21/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 03/30/2010
 Comments: Bolts and patch were replaced & fixed.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/29/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 05/06/2011
 Comments: Send May 5, 2011.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/23/2007
 Comments: No problems noted during the inspection.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/27/2006
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Certification
 Completed Date: 05/13/2003
 Comments: Certified Site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: CEQA - Initial Study/ Neg. Declaration
 Completed Date: 03/19/1992
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/24/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/07/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operation & Maintenance Order/Agreement
 Completed Date: 01/15/2003
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction
 Completed Date: 01/15/2003
 Comments: Recorded Deed Restriction prohibiting residential uses. Signed O&M Agreement requiring biannual cap inspections and annual groundwater monitoring.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/26/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 11/15/1991
 Comments: Not reported

Completed Area Name: PROJECT WIDE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/23/2008
 Comments: The cap appeared to be in good condition.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/27/2009
 Comments: The asphalt surface appeared to be in good condition, with no major cracking or deterioration observed. However, cracks were observed during the inspection near the driveway, but the cracks were not significant. While the cracks observed during the inspection are not currently significant, the cracks are in a high traffic area and will only become worse. DTSC has sent a letter to the RP directing them to repair the cracks. There was no evidence of activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/11/2010
 Comments: Overall, the asphalt surface appeared to be in good condition, with no major cracking or deterioration observed. The cracks observed during the 2009 inspection near the driveway, were repaired. Significant asphalt cracking was observed around monitoring well MW-6. It was also, observed that bolts were missing from monitoring wells protective plates for MW- 6 and MW- 8. There was no evidence of activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/16/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 01/07/2010
 Comments: Reminder Letter Sent.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 01/20/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/25/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Date: 12/28/2010
 Comments: Reminder letter send.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 12/15/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 09/04/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: 5 Year Review Reports
 Completed Date: 12/21/2007
 Comments: Selected remedy continues to function as intended and therefore remains protective of human health and the environment.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 06/29/1992
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 06/19/1992
 Comments: Completed RA. Approximately 1500 cubic yards of pesticide-contaminated soil was disposed off-site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 03/24/1992
 Comments: This is a combination PEA/draft RAP.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 01/07/1991
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 04/20/2006
 Comments: Petroleum hydrocarbons as diesel and pesticides as DDD, DDE, and DDT were detected at concentrations greater than the established trigger levels. this is now requiring that the groundwater monitoring now occur seim-annual. Next report is due August 2006.

Completed Area Name: PROJECT WIDE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 09/19/2006
 Comments: DTSC accepted the Report as meeting the Operation and Maintenance reporting requirements for the 2006 semi-annual sampling event. The next round of sampling is scheduled for January 2007.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/23/2007
 Comments: No problems noted in the cap inspection and groundwater results match historical results.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 01/31/1992
 Comments: Fact sheet discusses the site history, the environmental investigations conducted at the site, and the proposed cleanup plan.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Completion Report
 Completed Date: 01/11/1996
 Comments: Report details the recent soil boring and groundwater monitoring well installation and testing.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Completion Report
 Completed Date: 01/13/1995
 Comments: The report presents the results of the soil excavation and removal activities undertaken.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 02/28/2003
 Comments: Report submitted showing that TPH is still detected in monitoring wells, but not BTEX. Asphalt cap in good shape.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 04/05/2004
 Comments: DTSC reviewed the report. Monitoring results still detected TPH diesel and TPH gasoline in the wells, but BTEX was not detected. The approval letter noted other issues that needed to be addressed in the upcoming report.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/30/2005
 Comments: Report shows that TPH diesel and gasoline are still being detected, but BTEX is not. The report did not document the cap repair that was

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

done during the last 12 months.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 05/21/2004
 Comments: Report documents cap repairs described in a March 26, 2004 DTSC letter.

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2014
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2015
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2016
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: 5 Year Review Reports
 Schedule Due Date: 04/30/2013
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Operations and Maintenance Report
 Schedule Due Date: 06/13/2013
 Schedule Revised Date: Not reported

HAZNET:

Year: 2002
 Gepaid: CAC002517503
 Contact: DENNIS SISCO
 Telephone: 4154550300
 Mailing Name: Not reported
 Mailing Address: 980 5TH AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: 99
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Disposal, Land Fill
 Tons: 0.87
 Facility County: Not reported

Year: 2002
 Gepaid: CAC002517503
 Contact: DENNIS SISCO
 Telephone: 4154550300
 Mailing Name: Not reported
 Mailing Address: 980 5TH AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

TSD County: 99
 Waste Category: Waste oil and mixed oil
 Disposal Method: Treatment, Tank
 Tons: 0.80
 Facility County: Not reported

ENVIROSTOR:

Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 0.9
 NPL: NO
 Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay
 Lead Agency: SMBRP
 Program Manager: Claude Jemison
 Supervisor: Mark Piros
 Division Branch: Cleanup Berkeley
 Facility ID: 21070001
 Site Code: 200311
 Assembly: 10
 Senate: 02
 Special Program: Not reported
 Status: Certified / Operation & Maintenance
 Status Date: 05/13/2003
 Restricted Use: YES
 Site Mgmt. Req.: REM, ASP, FOUN, LUC, MON, EX, GW, OIL, NOWN, NDAM, NUSE, NDEV, NSUB, EXT, HS, SCH, FOOD, COV, RES
 Funding: Responsible Party
 Latitude: 37.96931
 Longitude: -122.5151
 APN: 014-151-11
 Past Use: EQUIPMENT/INSTRUMENT REPAIR, FUEL - VEHICLE STORAGE/ REFUELING, MACHINE SHOP, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
 Potential COC: 30003, 30008, 30024, 30593
 Confirmed COC: 30003,30008,30024,30593
 Potential Description: OTH, SOIL
 Alias Name: MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT
 Alias Type: Alternate Name
 Alias Name: Montecito Plaza Overflow Parking Lot
 Alias Type: Alternate Name
 Alias Name: 014-151-11
 Alias Type: APN
 Alias Name: 110033608781
 Alias Type: EPA (FRS #)
 Alias Name: SL18312732
 Alias Type: GeoTracker Global ID
 Alias Name: 200311
 Alias Type: Project Code (Site Code)
 Alias Name: 21070001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 05/05/2008
 Comments: Report may DTSC's Semi-Annual Operation & Maintenance requirements for the Site.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 10/17/2007
 Comments: Semi-Annual groundwater will continue. Next sampling event scheduled for January 2008.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: 5 Year Review Workplan
 Completed Date: 09/27/2007
 Comments: 5-Year Workplan approved. Report due to DTSC by November 24, 2007.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Long Term Monitoring Report
 Completed Date: 10/07/2008
 Comments: Semi Annual Report approved

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/15/2010
 Comments: Report accepted; Acceptance letter sent with DTSC Annual Inspection Report; Requested repairs on asphalt cracks at MW-6 and missing bolts from monitor wells protective plates for MW-6 & 8.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 05/28/2009
 Comments: Groundwater sampling results inline with historical data

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/21/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fieldwork
 Completed Date: 03/30/2010
 Comments: Bolts and patch were replaced & fixed.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/29/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 05/06/2011
 Comments: Send May 5, 2011.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/23/2007
 Comments: No problems noted during the inspection.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/27/2006
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Certification
 Completed Date: 05/13/2003
 Comments: Certified Site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: CEQA - Initial Study/ Neg. Declaration
 Completed Date: 03/19/1992
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/24/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/07/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operation & Maintenance Order/Agreement
 Completed Date: 01/15/2003
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction
 Completed Date: 01/15/2003
 Comments: Recorded Deed Restriction prohibiting residential uses. Signed O&M Agreement requiring biannual cap inspections and annual groundwater monitoring.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/26/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 11/15/1991
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/23/2008
 Comments: The cap appeared to be in good condition.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 04/27/2009
 Comments: The asphalt surface appeared to be in good condition, with no major cracking or deterioration observed. However, cracks were observed during the inspection near the driveway, but the cracks were not significant. While the cracks observed during the inspection are not currently significant, the cracks are in a high traffic area and will only become worse. DTSC has sent a letter to the RP directing them to repair the cracks. There was no evidence of activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/11/2010
 Comments: Overall, the asphalt surface appeared to be in good condition, with no major cracking or deterioration observed. The cracks observed during the 2009 inspection near the driveway, were repaired. Significant asphalt cracking was observed around monitoring well MW-6. It was also, observed that bolts were missing from monitoring wells protective plates for MW- 6 and MW- 8. There was no evidence of activities prohibited by the Deed Restriction.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit
 Completed Date: 03/16/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 01/07/2010
 Comments: Reminder Letter Sent.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 01/20/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction - Site Inspection/Visit

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Date: 04/25/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Correspondence
 Completed Date: 12/28/2010
 Comments: Reminder letter send.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 12/15/2011
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Annual Oversight Cost Estimate
 Completed Date: 09/04/2012
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: 5 Year Review Reports
 Completed Date: 12/21/2007
 Comments: Selected remedy continues to function as intended and therefore remains protective of human health and the environment.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 06/29/1992
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 06/19/1992
 Comments: Completed RA. Approximately 1500 cubic yards of pesticide-contaminated soil was disposed off-site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 03/24/1992
 Comments: This is a combination PEA/draft RAP.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 01/07/1991
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 04/20/2006

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Comments: Petroleum hydrocarbons as diesel and pesticides as DDD, DDE, and DDT were detected at concentrations greater than the established trigger levels. this is now requiring that the groundwater monitoring now occur seim-annual. Next report is due August 2006.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 09/19/2006
 Comments: DTSC accepted the Report as meeting the Operation and Maintenance reporting requirements for the 2006 semi-annual sampling event. The next round of sampling is scheduled for January 2007.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/23/2007
 Comments: No problems noted in the cap inspection and groundwater results match historical results.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 01/31/1992
 Comments: Fact sheet discusses the site history, the environmental investigations conducted at the site, and the proposed cleanup plan.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Completion Report
 Completed Date: 01/11/1996
 Comments: Report details the recent soil boring and groundwater monitoring well installation and testing.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Completion Report
 Completed Date: 01/13/1995
 Comments: The report presents the results of the soil excavation and removal activities undertaken.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 02/28/2003
 Comments: Report submitted showing that TPH is still detected in monitoring wells, but not BTEX. Asphalt cap in good shape.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 04/05/2004
 Comments: DTSC reviewed the report. Monitoring results still detected TPH diesel and TPH gasoline in the wells, but BTEX was not detected. The approval letter noted other issues that needed to be addressed in the upcoming report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN-SONOMA MOSQUITO ABATEMENT DISTRICT (Continued)

S100269682

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Operations and Maintenance Report
 Completed Date: 03/30/2005
 Comments: Report shows that TPH diesel and gasoline are still being detected, but BTEX is not. The report did not document the cap repair that was done during the last 12 months.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 05/21/2004
 Comments: Report documents cap repairs described in a March 26, 2004 DTSC letter.

Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2014
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2015
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Report
 Future Due Date: 2016
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: 5 Year Review Reports
 Schedule Due Date: 04/30/2013
 Schedule Revised Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Operations and Maintenance Report
 Schedule Due Date: 06/13/2013
 Schedule Revised Date: Not reported

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MARIN/SONOMA MOSQUITO (FORMER)
201 THIRD ST
SAN RAFAEL, CA

SLIC S106234952
N/A

SLIC:

Region: STATE
Facility Status: Open - Verification Monitoring
 Status Date: 03/04/2003
 Global Id: SL18312732
 Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
 Lead Agency Case Number: 21070001
 Latitude: 37.9694192464914
 Longitude: -122.515239715576
 Case Type: Cleanup Program Site
 Case Worker: Not reported
 Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
 RB Case Number: 21S0014
 File Location: DTSC
 Potential Media Affected: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN/SONOMA MOSQUITO (FORMER) (Continued)

S106234952

Site History: DTSC is lead on this case, some hydrocarbons in soil & water at site.
 The site is capped as a parking lot.

Click here to access the California GeoTracker records for this facility:

SLIC REG 2:

Region: 2
 Facility ID: 21S0014
 Facility Status: Post remedial action monitoring
 Date Closed: Not reported
 Local Case #: Not reported
 How Discovered: UNK
 Leak Cause: Not reported
 Leak Source: Not reported
 Date Confirmed: Not reported
 Date Prelim Site Assmnt Workplan Submitted: Not reported
 Date Preliminary Site Assessment Began: Not reported
 Date Pollution Characterization Began: Not reported
 Date Remediation Plan Submitted: Not reported
 Date Remedial Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

26

**201 FRANCISCO BLVD EAST
 SAN RAFAEL, CA 94901**

UST U003976734
 N/A

UST:

Facility ID: 300206
 Latitude: 37.97328
 Longitude: -122.51256

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**SAN RAFAEL CORPORATION YARD
 790 LINCOLN
 SAN RAFAEL, CA 94901**

HIST CORTESE S103672277
 LUST N/A
 ENF
 HAZNET

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0341

LUST:

Region: STATE
 Global Id: T0604100323
 Latitude: 37.9700028435829
 Longitude: -122.523956894875
 Case Type: LUST Cleanup Site
 Status: Open - Verification Monitoring
 Status Date: 01/21/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0341
 LOC Case Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Other Metal, Gasoline, Methane, Polynuclear aromatic hydrocarbons (PAHs)
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100323
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 12/10/1999
 Action: Staff Letter

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 03/30/2007
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 09/15/2005
 Action: * Verbal Communication

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 08/31/2005
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 09/07/2005
 Action: * Verbal Communication

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 01/12/2007
 Action: Meeting

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 01/10/2007
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 02/26/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Action:	Staff Letter
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	01/24/2006
Action:	* Verbal Communication
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	01/25/2006
Action:	* Verbal Communication
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	09/11/2007
Action:	Meeting
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	07/13/2007
Action:	Staff Letter
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	09/11/2003
Action:	* Verbal Communication
Global Id:	T0604100323
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	08/06/1999
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	03/03/1997
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	09/25/1995
Action:	Site Assessment Report
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	12/22/1998
Action:	Request for Closure
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	10/31/1996
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 02/11/1999
 Action: Soil and Water Investigation Workplan

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 12/28/1998
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 04/07/1998
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 04/10/1997
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 02/06/1998
 Action: Request for Closure

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 11/12/2003
 Action: Site Assessment Report

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 01/08/1999
 Action: Other Workplan

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 10/06/1999
 Action: Correspondence

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 03/24/2005
 Action: Site Assessment Report

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 04/10/1997
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Date:	12/26/1996
Action:	Correspondence
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	09/11/1999
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	06/01/1999
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	09/24/2007
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	04/27/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	04/01/2006
Action:	* Verbal Communication
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	04/03/2006
Action:	* Verbal Communication
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	01/16/1997
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	11/19/1996
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	02/04/1998
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	10/15/1999
Action:	Soil and Water Investigation Report
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	02/19/1997
Action:	Soil and Water Investigation Workplan

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Global Id:	T0604100323
Action Type:	RESPONSE
Date:	10/22/1996
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	RESPONSE
Date:	09/24/2007
Action:	Other Report / Document
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	01/30/2006
Action:	Meeting
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	09/15/2005
Action:	Meeting
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	03/30/2006
Action:	Meeting
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	09/06/2005
Action:	* Verbal Communication
Global Id:	T0604100323
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	04/05/2000
Action:	Letter - Notice
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	06/09/1999
Action:	13267 Monitoring Program
Global Id:	T0604100323
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	File review
Global Id:	T0604100323
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100323
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Date: 06/15/2007
 Action: 13267 Requirement

Global Id: T0604100323
 Action Type: RESPONSE
 Date: 09/22/2008
 Action: Other Report / Document

Global Id: T0604100323
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 12/06/2006
 Action: * Verbal Communication

Global Id: T0604100323
 Action Type: ENFORCEMENT
 Date: 06/05/2008
 Action: 13267 Requirement

ENF:

Region: 2
 Facility Id: 260237
 Agency Name: San Rafael City
 Place Type: Facility
 Place Subtype: Not reported
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 37.9686390
 Place Longitude: -122.52370
 SIC Code 1: Not reported
 SIC Desc 1: Not reported
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: Not reported
 Threat To Water Quality: Not reported
 Complexity: Not reported
 Pretreatment: Not reported
 Facility Waste Type: Not reported
 Facility Waste Type 2: Not reported
 Facility Waste Type 3: Not reported
 Facility Waste Type 4: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Program:	TANKS
# Of Programs:	1
WDID:	2 21-0341
Reg Measure Id:	168985
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237110
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/08/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	6/1/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0341
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	06/01/1999
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	260237
Agency Name:	San Rafael City
Place Type:	Facility

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9686390
Place Longitude:	-122.52370
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0341
Reg Measure Id:	168985
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Enforcement Id(EID): 237111
 Region: 2
 Order / Resolution Number: UNKNOWN
 Enforcement Action Type: 13267 Letter
 Effective Date: 06/09/1999
 Adoption/Issuance Date: Not reported
 Achieve Date: 10/15/1999
 Termination Date: Not reported
 ACL Issuance Date: Not reported
 EPL Issuance Date: Not reported
 Status: Historical
 Title: Enforcement - 2 21-0341
 Description: Not reported
 Program: TANKS
 Latest Milestone Completion Date: 10/15/1999
 # Of Programs1: 1
 Total Assessment Amount: 0
 Initial Assessed Amount: 0
 Liability \$ Amount: 0
 Project \$ Amount: 0
 Liability \$ Paid: 0
 Project \$ Completed: 0
 Total \$ Paid/Completed Amount: 0

HAZNET:

Year: 2002
 Gepaid: CAD981571375
 Contact: BOB MCEACHERN, SHOP FORMAN
 Telephone: 4154853380
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 0.59
 Facility County: Not reported

Year: 2001
 Gepaid: CAD981571375
 Contact: BOB MCEACHERN, SHOP FORMAN
 Telephone: 4154853380
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 0.27
 Facility County: Not reported

Year: 2001
 Gepaid: CAD981571375

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL CORPORATION YARD (Continued)

S103672277

Contact: BOB MCEACHERN, SHOP FORMAN
 Telephone: 4154853380
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Contra Costa
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 3.77
 Facility County: Not reported

Year: 2001
 Gepaid: CAD981571375
 Contact: BOB MCEACHERN, SHOP FORMAN
 Telephone: 4154853380
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Alameda
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 1.29
 Facility County: Not reported

Year: 2000
 Gepaid: CAD981571375
 Contact: CITY OF SAN RAFAEL
 Telephone: 0004853355
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Other inorganic solid waste
 Disposal Method: Disposal, Land Fill
 Tons: 173.6168
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 11 additional CA_HAZNET: record(s) in the EDR Site Report.

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**CITY CORPORATION YRAD
 790 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**LUST S101624677
 CA FID UST N/A
 SWEEPS UST
 HAZNET**

LUST REG 2:
 Region: 2
 Facility Id: 21-0341
 Facility Status: Preliminary site assessment workplan submitted
 Case Number: 21-0341
 How Discovered: Tank Closure
 Leak Cause: UNK

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CITY CORPORATION YRAD (Continued)

S101624677

Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 4/7/1999
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 21000672
 Regulated By: UTNKA
 Regulated ID: 00058059
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154853355
 Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 58059
 Number: 4
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 5
 Swrcb Tank Id: 21-028-058059-000001
 Actv Date: 07-01-85
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 1

HAZNET:

Year: 2008
 Gepaid: CAC002634097
 Contact: WILLIS K POLITE JR
 Telephone: 4154550300
 Mailing Name: DENNIS FISCO
 Mailing Address: 980 FIFTH AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 94901
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CITY CORPORATION YRAD (Continued)

S101624677

TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Contaminated soil from site clean-up
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 172.3
 Facility County: Marin

Year: 2003
 Gepaid: CAD981571375
 Contact: BOB MCEACHERN, SHOP FORMAN
 Telephone: 4154853380
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: Marin
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 0.12
 Facility County: Marin

Year: 2003
 Gepaid: CAD981571375
 Contact: BOB MCEACHERN, SHOP FORMAN
 Telephone: 4154853380
 Mailing Name: Not reported
 Mailing Address: PO BOX 151560
 Mailing City,St,Zip: SAN RAFAEL, CA 949151560
 Gen County: Marin
 TSD EPA ID: CAD008252405
 TSD County: Marin
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Recycler
 Tons: 0.45
 Facility County: Marin

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**CITY CORPORATIN YARD
 790 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599925
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000058061
 Facility Type: Other
 Other Type: PUBLIC AGENCY
 Total Tanks: 0001
 Contact Name: RICHARD ENDY
 Telephone: 4154853355
 Owner Name: CITY OF SAN RAFAEL
 Owner Address: 1400 FITH AVENUE
 Owner City,St,Zip: SAN RAFAEL, CA 94915

Tank Num: 001
 Container Num: 7
 Year Installed: 1970
 Tank Capacity: 00001000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CITY CORPORATIN YARD (Continued)

U001599925

Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

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**SAN RAFAEL CORPORATION YARD
 790 LINCOLN
 SAN RAFAEL, CA 94901**

**UST U003782240
 N/A**

UST:
 Facility ID: 300446
 Latitude: 37.96854
 Longitude: -122.52365

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**SAN RAFAEL CITY OF
 790 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000129415
 FINDS CAD981571375**

RCRA-SQG:
 Date form received by agency: 09/30/1986
 Facility name: SAN RAFAEL CITY OF
 Facility address: 790 LINCOLN AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD981571375
 Mailing address: PO BOX 60
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 790 LINCOLN AVE
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 485-3380
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: CITY OF SAN RAFAEL
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Municipal
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL CITY OF (Continued)

1000129415

Legal status: Municipal
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002718015

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**CITY CORPORATION YARD
 790 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599926
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000058060
 Facility Type: Other
 Other Type: PUBLIC AGENCY
 Total Tanks: 0002
 Contact Name: RICHARD ENDY
 Telephone: 4154853355
 Owner Name: CITY OF SAN RAFAEL
 Owner Address: 1400 FIFTH AVENUE
 Owner City,St,Zip: SAN RAFAEL, CA 94915

Tank Num: 001
 Container Num: 6
 Year Installed: 1970
 Tank Capacity: 00000550
 Tank Used for: PRODUCT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CITY CORPORATION YARD (Continued)

U001599926

Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: None

 Tank Num: 002
 Container Num: 8
 Year Installed: 1970
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

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**CITY CORPORATION YRAD
 790 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599927
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000058059
 Facility Type: Other
 Other Type: PUBLIC AGENCY
 Total Tanks: 0001
 Contact Name: RICHARD ENDY
 Telephone: 4154853355
 Owner Name: CITY OF SAN RAFAEL
 Owner Address: 1400 FIFTH AVENUE
 Owner City,St,Zip: SAN RAFAEL, CA 94915

Tank Num: 001
 Container Num: 5
 Year Installed: 1970
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

28

**UPS FORMER
 635 LINDARO ST
 SAN RAFAEL, CA 94901**

**LUST S104396821
 N/A**

LUST:
 Region: STATE
 Global Id: T0604192752
 Latitude: 37.967245
 Longitude: -122.526892
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 04/14/2000
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0350
 LOC Case Number: Not reported
 File Location: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

UPS FORMER (Continued)

S104396821

Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604192752
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604192752
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604192752
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604192752
 Action Type: RESPONSE
 Date: 03/24/1999
 Action: Correspondence

Global Id: T0604192752
 Action Type: RESPONSE
 Date: 01/20/1999
 Action: Other Report / Document

Global Id: T0604192752
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604192752
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0350
 Facility Status: Case Closed
 Case Number: 21-0350

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

UPS FORMER (Continued)

S104396821

How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

28

**PACIFIC SUPPLY
 61 JORDAN ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 Notify 65
 HAZNET**

**S100229813
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0106

LUST:

Region: STATE
 Global Id: T0604100102
 Latitude: 37.966498
 Longitude: -122.523019
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 05/16/2000
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0106
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100102
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100102
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC SUPPLY (Continued)

S100229813

City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100102
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100102
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100102
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0106
 Facility Status: Case Closed
 Case Number: 53
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 7/28/1988
 Preliminary Site Assesment Began: 1/17/1989
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: 5/29/1996
 Date Remediation Action Underway: 7/11/1996
 Date Post Remedial Action Monitoring Began: Not reported

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

HAZNET:

Year: 2007
 Gepaid: CAL000268199
 Contact: JIM MINTER
 Telephone: 4154539531
 Mailing Name: Not reported
 Mailing Address: 4290 ROSEVEILLE RD
 Mailing City,St,Zip: NORTH HIGHLANDS, CA 956605710
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC SUPPLY (Continued)

S100229813

TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.3
 Facility County: Marin

Year: 2007
 Gepaid: CAL000268199
 Contact: JIM MINTER
 Telephone: 4154539531
 Mailing Name: Not reported
 Mailing Address: 4290 ROSEVILLE RD
 Mailing City,St,Zip: NORTH HIGHLANDS, CA 956605710
 Gen County: Marin
 TSD EPA ID: NVT330010000
 TSD County: 99
 Waste Category: Latex waste
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
 Organics Recovery Ect
 Tons: 0.3
 Facility County: Marin

28

**PACIFIC SUPPLY-SAN RAFAEL
 61 JORDAN ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599967
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000052183
 Facility Type: Other
 Other Type: BUILDING SUPPLY
 Total Tanks: 0001
 Contact Name: RICHARD BERGERON
 Telephone: 4154539531
 Owner Name: PACIFIC COAST BUILDING PRODUCT
 Owner Address: 3001 "I" ST
 Owner City,St,Zip: SACRAMENTO, CA 95816

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000500
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

28 **PACIFIC SUPPLY-SAN RAFAEL**
61 JORDAN ST
SAN RAFAEL, CA 94901

CA FID UST S101624685
SWEEPS UST N/A

CA FID UST:

Facility ID: 21000118
 Regulated By: UTNKA
 Regulated ID: 00052183
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154539531
 Mail To: Not reported
 Mailing Address: 61 JORDAN ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 52183
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-052183-000001
 Actv Date: 07-01-85
 Capacity: 500
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 1

28 **97 JORDAN ST.**
SAN RAFAEL, CA

CHMIRS S107450988
ENVIROSTOR N/A

CHMIRS:

OES Incident Number: 04-2498
 OES notification: 5/11/200408:48:57 AM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

(Continued)

S107450988

Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Fire Dept.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	San Rafael Fire Dept.
Incident Date:	5/11/200412:00:00 AM
Admin Agency:	San Rafael Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Diesel and Hydraulic Fluid Mixture
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	5
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

(Continued)

S107450988

Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: Released from a leaking vehicle.

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21280003
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 06/08/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96582
 Longitude: -122.5228
 APN: 01307213
 Past Use: NONE SPECIFIED
 Potential COC: 10034, 10067, 40001, 20000, 20015
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: AEROJET COMPOSITES
 Alias Type: Alternate Name
 Alias Name: MONITOR COMPOSITES
 Alias Type: Alternate Name
 Alias Name: MONITOR PLASTICS
 Alias Type: Alternate Name
 Alias Name: 01307213
 Alias Type: APN
 Alias Name: 21280003
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 01/07/1987
 Comments: FACILITY IDENTIFIED DEPT OF FISH & GAME, REG 3 FILES

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 09/29/1987
 Comments: PRELIM ASSESS DONE Q MAILED 9/8/87, RECEIVED 9/15/87. RATIONALE FOR NFA: BASED ON OBSERVATIONS MADE DURING THE DRIVEBY, THE RESPONSE TO THE QUESTIONNAIRE AND THE LACK OF INFO IN THE AGENCY RECORDS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

(Continued)

S107450988

SEARCHED, THERE IS NO EVIDENCE AT THIS TIME TO INDICATE A HAZARDOUS WASTE PROBLEM AT THIS SITE.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 01/01/1987
 Comments: SITE SCREENING DONE RATIONALE FOR PA: SITE ISSUED WARNING FOR WASTEWATER DISCHARGE AND IMPROPER STORAGE OF DRUMS.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

28

**PACIFIC BELL C O ALLEN W3665
 107 JORDAN ST
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000250745
 FINDS CAD982416539
 HAZNET**

RCRA NonGen / NLR:

Date form received by agency: 09/22/1997
 Facility name: PACIFIC BELL C O ALLEN W3665
 Facility address: 107 JORDAN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982416539
 Mailing address: 2600 CAMINO RAMON RM 2E050
 SAN RAMON, CA 94583
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 107 JORDAN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (213) 738-8454
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PACIFIC BELL
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL C O ALLEN W3665 (Continued)

1000250745

Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
 Facility name: PACIFIC BELL C O ALLEN W3665
 Classification: Small Quantity Generator

Date form received by agency: 12/14/1987
 Facility name: PACIFIC BELL C O ALLEN W3665
 Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002808891

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAD982416539
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 2600 CAMINO RAMON RM 2E050
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: 1
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Transfer Station
 Tons: 0.15
 Facility County: 1

Year: 1998
 Gepaid: CAD982416539
 Contact: Not reported
 Telephone: 0000000000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL C O ALLEN W3665 (Continued)

1000250745

Mailing Name: Not reported
 Mailing Address: 2600 CAMINO RAMON RM 2E050
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: 1
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Not reported
 Tons: .6255
 Facility County: 1

Year: 1997
 Gepaid: CAD982416539
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 2600 CAMINO RAMON RM 2E050
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: 1
 TSD EPA ID: CAD982446866
 TSD County: Solano
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: .6672
 Facility County: 1

Year: 1997
 Gepaid: CAD982416539
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 2600 CAMINO RAMON RM 2E050
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: 1
 TSD EPA ID: CAD982446866
 TSD County: Solano
 Waste Category: Waste oil and mixed oil
 Disposal Method: Transfer Station
 Tons: 1.0425
 Facility County: 1

Year: 1997
 Gepaid: CAD982416539
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 2600 CAMINO RAMON RM 2E050
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: 1
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 6.5052
 Facility County: 1

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

PACIFIC BELL C O ALLEN W3665 (Continued)

1000250745

[Click this hyperlink](#) while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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**UNIVERSAL PROTECTIVE COATINGS
121-123 JORDAN STREET
SAN RAFAEL, CA 94901**

**ENVIROSTOR S100184014
N/A**

ENVIROSTOR:

Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Berkeley
Facility ID:	21280004
Site Code:	Not reported
Assembly:	10
Senate:	02
Special Program:	* Rural County Survey Program
Status:	Refer: RWQCB
Status Date:	06/08/1994
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.96527
Longitude:	-122.5229
APN:	01307223
Past Use:	NONE SPECIFIED
Potential COC:	10009, 10067, 40001, 10179, 20000, 20015, 20017
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	APPROVED APPLICATORS, INC.
Alias Type:	Alternate Name
Alias Name:	CUSTOM MARBLE INC.
Alias Type:	Alternate Name
Alias Name:	DURACITE MANUFACTURING COMPANY
Alias Type:	Alternate Name
Alias Name:	01307223
Alias Type:	APN
Alias Name:	21280004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	04/09/1987
Comments:	FACILITY IDENTIFIED RWQCB ENFORCEMENT FILE 2223.05 DHS, NCCS: NO RECORDS FOUND

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	11/30/1987
Comments:	PRELIM ASSESS DONE Q MAILED 4/22/87, REMAILED 5/22/87, RECEIVED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

UNIVERSAL PROTECTIVE COATINGS (Continued)

S100184014

6/87. SOURCE ACTIVITY: MANUFACTURER/APPLICATOR OF PAINTS, WATERPROOFING & SPECIALTY COATINGS. AT ONE TIME MANUFACTURED 181 PRODUCT FORMULAE, BUT CURRENTLY USES PREMADE CONSTITUENTS FOR FORMULATIONS. WASTE TYPE: EPOXY/LATEX RESINS, PAINT SLUDGE & ORGANIC SOLVENTS. ENF HISTORY: 8/30/87 RWQCB COMPLIANCE MONITORING INSP - ORDER TO CEASE DISCH FROM OVERFLOWING SUMP; 4/30/85 CO. HLTH FOLLOW-UP ON CITIZEN COMPLAINT ALLEGING THE DUMPING OF WASTES INTO THE FLOOD CONTROL DITCH - NO COUNTY ACTION. RECOMMENDATION: SOIL & WATER TESTING UP- AND DOWNGRADIENT TO ASSESS POTENTIAL POINT SOURCES RESPONSIBLE FOR RECURRENT DISCHARGES INTO THE FLOOD CONTROL DITCH.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/01/1987
 Comments: SITE SCREENING DONE RATIONALE FOR PA: ALLEGATION OF LIQUID WASTE DISCHARGES TO DRAINAGE DITCH ADJ. TO OPERATION.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

28

**ALHAMBRA NATIONAL WATER CO
 648 LINDARO ST
 SAN RAFAEL, CA 94901**

**LUST S101630397
 CA FID UST N/A
 SWEEPS UST**

LUST REG 2:
 Region: 2
 Facility Id: 21-0204
 Facility Status: Case Closed
 Case Number: 2
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: 8/2/1993
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:
 Facility ID: 21000784
 Regulated By: UTNKA
 Regulated ID: 00029814
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154591950
 Mail To: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ALHAMBRA NATIONAL WATER CO (Continued)

S101630397

Mailing Address: 648 LINDARO ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Not reported
 Comp Number: 29814
 Number: Not reported
 Board Of Equalization: 44-000870
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-029814-000002
 Actv Date: Not reported
 Capacity: 1
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: 2

Status: Not reported
 Comp Number: 29814
 Number: Not reported
 Board Of Equalization: 44-000870
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-029814-029814
 Actv Date: Not reported
 Capacity: 2000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: DIESEL
 Number Of Tanks: Not reported

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MCKESSON WATER PRODUCTS COMPANY
648 LINDARO ST
SAN RAFAEL, CA 94901

HIST CORTESE **S100927302**
LUST **N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0204

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MCKESSON WATER PRODUCTS COMPANY (Continued)

S100927302

LUST:

Region: STATE
 Global Id: T0604100195
 Latitude: 37.967479
 Longitude: -122.526065
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/27/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0204
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100195
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100195
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100195
 Action Type: ENFORCEMENT
 Date: 01/27/1995
 Action: Closure/No Further Action Letter

Global Id: T0604100195
 Action Type: ENFORCEMENT
 Date: 07/08/1992
 Action: Notice of Responsibility

Global Id: T0604100195
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100195
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MCKESSON WATER PRODUCTS COMPANY (Continued)

S100927302

Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	07/10/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	07/09/1993
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/27/1993
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	01/31/1995
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	11/22/1994
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	01/20/1995
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/29/1993
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	05/26/1993
Action:	Correspondence
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	09/03/1993
Action:	Correspondence
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	06/11/1992
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	05/17/1991
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MCKESSON WATER PRODUCTS COMPANY (Continued)

S100927302

Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/06/1993
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	05/19/1993
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/01/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	05/14/1993
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	02/17/1994
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	11/01/1992
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/17/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	11/22/1994
Action:	Correspondence
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/29/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	04/03/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/31/1993
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MCKESSON WATER PRODUCTS COMPANY (Continued)

S100927302

Date:	04/30/1990
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/13/1994
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/26/1993
Action:	Unauthorized Release Form
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	05/10/1991
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/01/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	07/08/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	09/12/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/31/1994
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	03/14/1994
Action:	Correspondence
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	06/11/1993
Action:	Correspondence
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/29/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/25/1986
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MCKESSON WATER PRODUCTS COMPANY (Continued)

S100927302

Global Id:	T0604100195
Action Type:	RESPONSE
Date:	07/02/1990
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	09/25/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/01/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	06/14/1994
Action:	Soil and Water Investigation Report
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Conceptual Site Model
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	10/29/1993
Action:	Other Workplan
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	08/21/1986
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	RESPONSE
Date:	04/06/1990
Action:	Other Report / Document
Global Id:	T0604100195
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100195
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC PLUMBING & HEATING SUP (Continued)

S101624684

Swrcb Tank Id: 21-028-040138-000001
 Actv Date: 07-01-85
 Capacity: 1000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 1

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**PACIFIC PLUMBING & HEATING SUP
 8 LOVELL AVE
 SAN RAFAEL, CA 94901**

HIST UST

**U001599966
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000040138
 Facility Type: Other
 Other Type: PLUMBING SUPPLIES
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154548892
 Owner Name: PACIFIC PLUMBING & HEATING SUP
 Owner Address: 8 LOVELL AVENUE
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1974
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

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**PACIFIC PLUMBING & HEATING
 8 LOVELL AVE
 SAN RAFAEL, CA 94901**

**NPDES
 HIST CORTESE
 LUST
 HAZNET**

**S104162577
 N/A**

NPDES:

Npdes Number: CAS000001
 Facility Status: Active
 Agency Id: 0
 Region: 2
 Regulatory Measure Id: 182152
 Order No: 97-03-DWQ
 Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 2 211011393
 Program Type: Industrial
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 02/01/1995
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: Not reported
 Discharge Name: Marin Airporter
 Discharge Address: 8 Lovell Ave
 Discharge City: San Rafael

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC PLUMBING & HEATING (Continued)

S104162577

Discharge State: California
 Discharge Zip: 94901

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0021

LUST:
 Region: STATE
 Global Id: T0604100020
 Latitude: 37.964933
 Longitude: -122.522479
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 09/15/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0021
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
 Global Id: T0604100020
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100020
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:
 Global Id: T0604100020
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100020
 Action Type: Other

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC PLUMBING & HEATING (Continued)

S104162577

Date: 01/01/1950
 Action: Leak Reported

 Global Id: T0604100020
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

HAZNET:

Year: 1994
 Gepaid: CAC000985696
 Contact: RICK BORENSTEIN
 Telephone: 4152589258
 Mailing Name: Not reported
 Mailing Address: 60 BAY WALL
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Treatment, Tank
 Tons: .1876
 Facility County: Marin

Year: 1994
 Gepaid: CAC000985696
 Contact: RICK BORENSTEIN
 Telephone: 4152589258
 Mailing Name: Not reported
 Mailing Address: 60 BAY WALL
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: .5000
 Facility County: Marin

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**ELLIOTTS AUTO
 516 IRWIN
 SAN RAFAEL, CA 94901**

**LUST S102808378
 HAZNET N/A**

LUST:

Region: STATE
 Global Id: T0604174987
 Latitude: 37.964546
 Longitude: -122.522148
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/07/2003
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0373
 LOC Case Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ELLIOTTS AUTO (Continued)

S102808378

File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604174987
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604174987
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 06/04/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 06/04/2003
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/22/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/18/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/16/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/17/2003
 Action: * Verbal Communication

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ELLIOTTS AUTO (Continued)

S102808378

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 11/07/2003
 Action: Closure/No Further Action Letter

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/15/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/29/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 10/01/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/29/2003
 Action: Meeting

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/09/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 09/10/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604174987
 Action Type: ENFORCEMENT
 Date: 11/03/2003
 Action: * Verbal Communication

Global Id: T0604174987
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604174987
 Action Type: ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ELLIOTTS AUTO (Continued)

S102808378

Date: 05/19/2003
 Action: * Verbal Communication

HAZNET:

Year: 2010
 Gepaid: CAD982415218
 Contact: ELLIOTT ZALTA
 Telephone: 4154592465
 Mailing Name: Not reported
 Mailing Address: 516 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013934
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.0756
 Facility County: Marin

Year: 2009
 Gepaid: CAD982415218
 Contact: ELLIOTT ZALTA
 Telephone: 4154592465
 Mailing Name: Not reported
 Mailing Address: 516 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013934
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.126
 Facility County: Marin

Year: 2007
 Gepaid: CAD982415218
 Contact: ELLIOTT ZALTA
 Telephone: 4154592465
 Mailing Name: Not reported
 Mailing Address: 516 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013934
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.14
 Facility County: Marin

Year: 2006
 Gepaid: CAD982415218
 Contact: ELLIOTT ZALTA
 Telephone: 4154592465

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ELLIOTTS AUTO (Continued)

S102808378

Mailing Name: Not reported
 Mailing Address: 516 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013934
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Marin

Year: 2005
 Gepaid: CAD982415218
 Contact: ELLIOTT ZALTA
 Telephone: 4154592465
 Mailing Name: Not reported
 Mailing Address: 516 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013934
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Not reported
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 15 additional CA_HAZNET: record(s) in the EDR Site Report.

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**ELLIOTTS AUTO RPR
 516 IRWIN ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000189407
 FINDS CAD982415218**

RCRA-SQG:

Date form received by agency: 04/23/1992
 Facility name: ELLIOTTS AUTO RPR
 Facility address: 516 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982415218
 Mailing address: IRWIN ST
 SAN RAFAEL, CA 94901
 Contact: ELLIOTT ZALTA
 Contact address: 516 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 459-2465
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: ELLIOTT ZALTA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ELLIOTTS AUTO RPR (Continued)

1000189407

Owner/operator address: 55 TERRA VISTA 1
 SAN FRANCISCO, CA 94115
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 567-8888
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002808294

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**VARNER PROPERTY
 516 IRWIN ST
 SAN RAFAEL, CA**

**LUST S106117844
 N/A**

LUST REG 2:

Region: 2
 Facility Id: 21-0373
 Facility Status: Case Closed
 Case Number: Not reported
 How Discovered: Subsurface Monitoring
 Leak Cause: UNK
 Leak Source: UNK

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VARNER PROPERTY (Continued)

S106117844

Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: 5/9/2003
 Pollution Characterization Began: 11/4/2003
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**AUTOBODY REBUILDERS
 533 IRWIN
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000857802
 FINDS CAD983672494**

RCRA-SQG:

Date form received by agency: 07/26/1993
 Facility name: AUTOBODY REBUILDERS
 Facility address: 533 IRWIN
 SAN RAFAEL, CA 94901
 EPA ID: CAD983672494
 Mailing address: IRWIN
 SAN RAFAEL, CA 94901
 Contact: ROBERT LINHART
 Contact address: 533 IRWIN
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-8466
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ROBERT LINHART JR.
 Owner/operator address: 247 C ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 459-4789
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

AUTOBODY REBUILDERS (Continued)

1000857802

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110001154321

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

29

**R W ALBERS CO
 580 IRWIN ST STE 6
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000978159
 FINDS CA0000932954**

RCRA-SQG:

Date form received by agency: 10/27/1994
 Facility name: R W ALBERS CO
 Facility address: 580 IRWIN ST STE 6
 SAN RAFAEL, CA 94901
 EPA ID: CA0000932954
 Mailing address: IRWIN ST STE 6
 SAN RAFAEL, CA 94901
 Contact: RON ALBERS
 Contact address: 580 IRWIN ST STE 6
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 332-3772
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RON ALBERS
 Owner/operator address: 580 IRWIN ST STE 6
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R W ALBERS CO (Continued)

1000978159

Owner/operator telephone: (415) 332-3772
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002621388

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

29

**URBAN TERMITE CONTROL
 580 IRWIN STREET
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000150833
 FINDS CAD054599733**

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: URBAN TERMITE CONTROL
 Facility address: 580 IRWIN STREET
 SAN RAFAEL, CA 94901
 EPA ID: CAD054599733
 Mailing address: 134 MORNINGSIDE DR
 SAN ANSELMO, CA 94960
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

URBAN TERMITE CONTROL (Continued)

1000150833

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LEON URBAN
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 07/16/1980
 Facility name: URBAN TERMITE CONTROL
 Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008262218

Environmental Interest/Information System

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

URBAN TERMITE CONTROL (Continued)

1000150833

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

29

**CARLOS TRANSMISSION SERVICE
 585 IRWIN ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1004678318
 FINDS CAR000107466**

RCRA-SQG:

Date form received by agency: 10/08/2001
 Facility name: CARLOS TRANSMISSION SERVICE
 Facility address: 585 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAR000107466
 Contact: SCOTT DEMING
 Contact address: 585 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-3462
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DEMING BROS INC
 Owner/operator address: 585 IRWIN ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 456-3462
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CARLOS TRANSMISSION SERVICE (Continued)

1004678318

Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
 Waste name: BENZENE

Waste code: D039
 Waste name: TETRACHLOROETHYLENE

Waste code: D040
 Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/05/1998
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110012195677

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

29

**ISI INC
 623 IRWIN ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000119333
 FINDS CAD982354607
 HIST UST
 HAZNET**

RCRA-SQG:

Date form received by agency: 07/27/1992
 Facility name: ISI INC
 Facility address: 623 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982354607
 Contact: RICH ISI

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ISI INC (Continued)

1000119333

Contact address: 623 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 453-5320
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ISI INC
 Owner/operator address: 623 IRWIN ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 453-5320
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002799918

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ISI INC (Continued)

1000119333

HIST UST:

Region: STATE
 Facility ID: 00000009027
 Facility Type: Other
 Other Type: TRUCK REPAIR
 Total Tanks: 0001
 Contact Name: RICH ISI
 Telephone: 4154535320
 Owner Name: ISI INC
 Owner Address: 623 IRWIN ST
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1982
 Tank Capacity: 00000400
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Pressure Test

HAZNET:

Year: 2000
 Gepaid: CAD982354607
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 623 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013940
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 1.1050
 Facility County: Marin

Year: 1997
 Gepaid: CAD982354607
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 623 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013940
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 1.0216
 Facility County: Marin

Year: 1996
 Gepaid: CAD982354607
 Contact: Not reported
 Telephone: 0000000000

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

ISI INC (Continued)

1000119333

Mailing Name: Not reported
Mailing Address: 623 IRWIN ST
Mailing City, St, Zip: SAN RAFAEL, CA 949013940
Gen County: Marin
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: .2293
Facility County: Marin

29

**LABCON NORTH AMERICA
632 IRWIN ST
SAN RAFAEL, CA 94901**

**RCRA-SQG 1000819701
FINDS CAD983656984
SLIC
HAZNET**

RCRA-SQG:

Date form received by agency: 07/29/1994
Facility name: LABCON NORTH AMERICA
Facility address: 632 IRWIN ST
SAN RAFAEL, CA 949013941
EPA ID: CAD983656984
Contact: CLARENCE FRANK
Contact address: P O BOX 151677
SAN RAFAEL, CA 949151677
Contact country: US
Contact telephone: (415) 456-2815
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LABCON NORTH AMERICA
Owner/operator address: 632 IRWIN ST
SAN RAFAEL, CA 94901
Owner/operator country: Not reported
Owner/operator telephone: (415) 456-2815
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LABCON NORTH AMERICA (Continued)

1000819701

Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/25/1999
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110009550627

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:

Region: STATE
Facility Status: Open - Verification Monitoring
 Status Date: 04/26/2007
 Global Id: SL0604166786
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.9671736231102
 Longitude: -122.520636320114
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21S0049
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating, * Metals
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HAZNET:

Year: 2005
 Gepaid: CAD983656984
 Contact: NORA J MC CALLIE
 Telephone: 4154562815
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LABCON NORTH AMERICA (Continued)

1000819701

Mailing Address: 3700 LAKEVILLE HIGHWAY ST 200
 Mailing City,St,Zip: PETALUMA, CA 949540000
 Gen County: Marin
 TSD EPA ID: AZR000030452
 TSD County: 99
 Waste Category: Oil/water separation sludge
 Disposal Method: Transfer Station
 Tons: 9.31
 Facility County: Not reported

Year: 2004
 Gepaid: CAD983656984
 Contact: NORA J MC CALLIE
 Telephone: 4154562815
 Mailing Name: Not reported
 Mailing Address: 3700 LAKEVILLE HIGHWAY ST 200
 Mailing City,St,Zip: PETALUMA, CA 949540000
 Gen County: Marin
 TSD EPA ID: AZR000030452
 TSD County: 99
 Waste Category: Oil/water separation sludge
 Disposal Method: Transfer Station
 Tons: 9.31
 Facility County: Not reported

Year: 2003
 Gepaid: CAD983656984
 Contact: NORA J. MC CALLIE
 Telephone: 4154562815
 Mailing Name: Not reported
 Mailing Address: 632 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013900
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 1.43
 Facility County: Marin

Year: 2003
 Gepaid: CAD983656984
 Contact: NORA J. MC CALLIE
 Telephone: 4154562815
 Mailing Name: Not reported
 Mailing Address: 632 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013900
 Gen County: Marin
 TSD EPA ID: IND000646943
 TSD County: Marin
 Waste Category: Laboratory waste chemicals
 Disposal Method: Recycler
 Tons: 0.1
 Facility County: Marin

Year: 2003
 Gepaid: CAD983656984

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LABCON NORTH AMERICA (Continued)

1000819701

Contact: NORA J. MC CALLIE
 Telephone: 4154562815
 Mailing Name: Not reported
 Mailing Address: 632 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013900
 Gen County: Marin
 TSD EPA ID: AZR000030452
 TSD County: Marin
 Waste Category: Oil/water separation sludge
 Disposal Method: Transfer Station
 Tons: 71.24
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 3 additional CA_HAZNET: record(s) in the EDR Site Report.

29

**BERTOLLI'S AUTO & TRUCK SRVC
 633 IRWIN ST
 SAN RAFAEL, CA 94901**

**CA FID UST
 SWEEPS UST
 HAZNET**

**S101624675
 N/A**

CA FID UST:

Facility ID: 21001785
 Regulated By: UTNKA
 Regulated ID: 00052050
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154572403
 Mail To: Not reported
 Mailing Address: 633 IRWIN ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 52050
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-052050-000001
 Actv Date: 06-20-91
 Capacity: 550
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BERTOLLI'S AUTO & TRUCK SRVC (Continued)

S101624675

HAZNET:

Year: 2007
 Gepaid: CAL000299089
 Contact: JUSTIN NUNES
 Telephone: 4154572403
 Mailing Name: Not reported
 Mailing Address: 633 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Other still bottom waste
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.12
 Facility County: Marin

Year: 2003
 Gepaid: CAL000169921
 Contact: DAVE ORTEZ/SERVICE MANAGER
 Telephone: 4154572403
 Mailing Name: Not reported
 Mailing Address: 633 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Marin

Year: 2003
 Gepaid: CAL000169921
 Contact: DAVE ORTEZ/SERVICE MANAGER
 Telephone: 4154572403
 Mailing Name: Not reported
 Mailing Address: 633 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.03
 Facility County: Marin

29

**BERTOLLI'S AUTO & TRUCK SERVICE
 633 IRWIN STREET
 SAN RAFAEL, CA 94901**

**UST U003970997
 N/A**

UST:

Facility ID: 300287
 Latitude: 37.96592
 Longitude: -122.52199

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**29 BERTOLLI'S AUTO & TRUCK SERVIC
 633 IRWIN ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599923
 HAZNET N/A**

HIST UST:

Region: STATE
 Facility ID: 00000052050
 Facility Type: Other
 Other Type: AUTO REPAIR
 Total Tanks: 0001
 Contact Name: FRANK BERTOLLI
 Telephone: 4154572403
 Owner Name: FRANK BERTOLLI
 Owner Address: 633 IRWIN STREET
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1978
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 12 gauge
 Leak Detection: None

HAZNET:

Year: 2002
 Gepaid: CAL000169921
 Contact: DAVE ORTEZ/SERVICE MANAGER
 Telephone: 4154572403
 Mailing Name: Not reported
 Mailing Address: 633 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sonoma
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.03
 Facility County: Not reported

Year: 1999
 Gepaid: CAL000169921
 Contact: BERTOLLIS AUTO & TRUCK SVS INC
 Telephone: 4154572403
 Mailing Name: Not reported
 Mailing Address: 633 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 0.025
 Facility County: Marin

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

29	LAND ROVER MARIN 647 IRWIN SAN RAFAEL, CA 94901	RCRA-SQG FINDS HAZNET	1001227094 CAR000043653
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RCRA-SQG:

Date form received by agency: 08/24/1998
Facility name: LAND ROVER MARIN
Facility address: 647 IRWIN
SAN RAFAEL, CA 94901
EPA ID: CAR000043653
Mailing address: 540 FRANCISCO BLVD W
SAN RAFAEL, CA 94901
Contact: LEIGH PERRY
Contact address: 540 FRANCISCO BLVD W
SAN RAFAEL, CA 94901
Contact country: US
Contact telephone: (415) 454-0582
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RAB MOTORS INC DBA LAND ROV
Owner/operator address: 540 FRANCISCO BLVD W
SAN RAFAEL, CA 94901
Owner/operator country: Not reported
Owner/operator telephone: (415) 454-0582
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LAND ROVER MARIN (Continued)

1001227094

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/29/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002924355

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2002
 Gepaid: CAR000043653
 Contact: DONNA WESTLAKE
 Telephone: 4154604613
 Mailing Name: Not reported
 Mailing Address: 620 DUBOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 94901
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Alameda
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 6.02
 Facility County: Not reported

Year: 2001
 Gepaid: CAR000043653
 Contact: DONNA WESTLAKE
 Telephone: 4154604613
 Mailing Name: Not reported
 Mailing Address: 620 DUBOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 94901

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LAND ROVER MARIN (Continued)

1001227094

Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 2.09
 Facility County: Not reported

Year: 2001
 Gepaid: CAR000043653
 Contact: DONNA WESTLAKE
 Telephone: 4154604613
 Mailing Name: Not reported
 Mailing Address: 620 DUBOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 94901
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.16
 Facility County: Not reported

Year: 2000
 Gepaid: CAR000043653
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 540 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 11.1547
 Facility County: Marin

Year: 2000
 Gepaid: CAR000043653
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 540 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: .6584
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 8 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

29	PORSHOP THE 658 IRWIN ST SAN RAFAEL, CA 94901	RCRA-SQG FINDS SLIC HAZNET	1000381786 CAD981678865
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RCRA-SQG:

Date form received by agency: 10/06/1986
 Facility name: PORSHOP THE
 Facility address: 658 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981678865
 Mailing address: IRWIN ST
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 658 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-2966
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BROKEN HAGEN/WACLAM
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PORSHOP THE (Continued)

1000381786

Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002748395

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:

Region: STATE
Facility Status: **Open - Site Assessment**
 Status Date: 07/12/2010
 Global Id: T10000002283
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.967864
 Longitude: -122.521317
 Case Type: Cleanup Program Site
 Case Worker: RL
 Local Agency: Not reported
 RB Case Number: 21-0407
 File Location: Not reported
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

Year: 2009
 Gepaid: CAD981678865
 Contact: WACLAW BORKEN-HAGEN
 Telephone: 4154542966
 Mailing Name: Not reported
 Mailing Address: 658 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013941
 Gen County: Marin
 TSD EPA ID: CAD028409019

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PORSHOP THE (Continued)

1000381786

TSD County: Los Angeles
 Waste Category: Waste oil and mixed oil
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.76
 Facility County: Marin

Year: 2009
 Gepaid: CAD981678865
 Contact: WACLAW BORKEN-HAGEN
 Telephone: 4154542966
 Mailing Name: Not reported
 Mailing Address: 658 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013941
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 1.8
 Facility County: Marin

Year: 2004
 Gepaid: CAD981678865
 Contact: WACLAW BORKEN-HAGEN
 Telephone: 4154542966
 Mailing Name: Not reported
 Mailing Address: 658 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Not reported
 Tons: 0.04
 Facility County: Not reported

29

**MARIN TIRE & BRAKE INC
 688 IRWIN ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000255517
 FINDS CAD982337982
 CA FID UST
 HIST UST
 SWEEPS UST**

RCRA-SQG:
 Date form received by agency: 12/08/1987
 Facility name: MARIN TIRE & BRAKE INC
 Facility address: 688 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982337982
 Mailing address: IRWIN ST
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 688 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-2324
 Contact email: Not reported
 EPA Region: 09

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN TIRE & BRAKE INC (Continued)

100025517

Land type: Facility is not located on Indian land. Additional information is not known.
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: SCOTT DEMING
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/25/1998
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN TIRE & BRAKE INC (Continued)

100025517

Registry ID: 110002796378

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA FID UST:

Facility ID: 21001696
 Regulated By: UTNKI
 Regulated ID: 00011963
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154562324
 Mail To: Not reported
 Mailing Address: 666 IRWIN ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

HIST UST:

Region: STATE
 Facility ID: 00000011963
 Facility Type: Other
 Other Type: TIRE SALES
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154562324
 Owner Name: MARIN TIRE & BRAKE INC.
 Owner Address: 666 IRWIN ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000450
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Groundwater Monitoring Well

SWEEPS UST:

Status: Not reported
 Comp Number: 11963
 Number: Not reported
 Board Of Equalization: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN TIRE & BRAKE INC (Continued)

1000255517

Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-011963-000001
 Actv Date: Not reported
 Capacity: 450
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: 1

29

**DEMINGS MARIN TIRE AND BRAKE
 668 IRWIN STREET
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000257484
 FINDS CAD982520082**

RCRA-SQG:

Date form received by agency: 02/15/1989
 Facility name: DEMINGS MARIN TIRE AND BRAKE
 Facility address: 668 IRWIN STREET
 SAN RAFAEL, CA 94901
 EPA ID: CAD982520082
 Mailing address: IRWIN STREET
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 668 IRWIN STREET
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-2324
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: STEACY SCOTT
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DEMINGS MARIN TIRE AND BRAKE (Continued)

1000257484

Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002840267

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**29 FORMER MOBIL STATION
 700 IRWIN ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102433500
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0300

LUST:

Region: STATE
 Global Id: T0604100282
 Latitude: 37.9702016038521
 Longitude: -122.520727515221
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 09/07/2012
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0300

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER MOBIL STATION (Continued)

S102433500

LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100282
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100282
 Action Type: ENFORCEMENT
 Date: 09/07/2012
 Action: Closure/No Further Action Letter

Global Id: T0604100282
 Action Type: ENFORCEMENT
 Date: 09/23/2003
 Action: File review

Global Id: T0604100282
 Action Type: ENFORCEMENT
 Date: 07/19/2007
 Action: 13267 Requirement

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 10/05/2007
 Action: Other Report / Document

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 02/21/2008
 Action: Other Report / Document

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 03/06/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 06/15/2007
 Action: Soil and Water Investigation Report

Global Id: T0604100282
 Action Type: ENFORCEMENT
 Date: 07/02/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL STATION (Continued)

S102433500

Action: 13267 Requirement

Global Id: T0604100282
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 10/13/1995
 Action: Other Report / Document

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 11/19/1996
 Action: Monitoring Report - Quarterly

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 04/27/1995
 Action: Correspondence

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 02/01/1996
 Action: Other Report / Document

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 05/08/1995
 Action: Correspondence

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 04/10/2007
 Action: Monitoring Report - Quarterly

Global Id: T0604100282
 Action Type: ENFORCEMENT
 Date: 12/28/2006
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 07/30/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 12/19/2003
 Action: Sensitive Receptor Survey Report

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 11/10/2004
 Action: Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL STATION (Continued)

S102433500

Global Id:	T0604100282
Action Type:	RESPONSE
Date:	02/08/1995
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	01/04/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	09/12/2008
Action:	Other Workplan
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	04/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	07/17/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	08/05/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	04/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	01/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	10/10/2008
Action:	13267 Requirement
Global Id:	T0604100282
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100282
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL STATION (Continued)

S102433500

Date:	02/05/2007
Action:	Staff Letter
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	04/11/2007
Action:	File review
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	07/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	07/31/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	02/02/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	10/28/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100282
Action Type:	RESPONSE
Date:	04/18/2008
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0604100282
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	01/31/2007
Action:	File review
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Staff Letter
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	02/28/2008
Action:	13267 Requirement
Global Id:	T0604100282
Action Type:	ENFORCEMENT
Date:	09/16/2011
Action:	File review

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER MOBIL STATION (Continued)

S102433500

Global Id: T0604100282
 Action Type: ENFORCEMENT
 Date: 12/22/2009
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100282
 Action Type: RESPONSE
 Date: 09/15/2003
 Action: Monitoring Report - Quarterly

LUST REG 2:

Region: 2
 Facility Id: 21-0300
 Facility Status: Preliminary site assessment underway
 Case Number: 21-0300
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 7/28/1995
 Preliminary Site Assessment Began: 3/6/1996
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

29

**KITCHENWORKS, INC.
 615 IRWIN STREET
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1012175690
 CAL000269676**

RCRA-SQG:

Date form received by agency: 04/29/2008
 Facility name: KITCHENWORKS, INC.
 Facility address: 615 IRWIN STREET
 SAN RAFAEL, CA 94901

EPA ID: CAL000269676
 Contact: DEAN R PIOLI
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (415) 456-4696
 Telephone ext.: 208
 Contact email: DPIOLI@KITCHENWORKS.COM
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: KITCHEN WORKS, INC
 Owner/operator address: 615 IRWIN STREET
 SAN RAFAEL, CA 94901

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

KITCHENWORKS, INC. (Continued)

1012175690

Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 08/06/1986
 Owner/Op end date: Not reported

Owner/operator name: DEAN R. PIOLI
 Owner/operator address: Not reported
 Not reported

Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 06/01/1992
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D035
 Waste name: METHYL ETHYL KETONE

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

KITCHENWORKS, INC. (Continued)

1012175690

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

29

**PETRA WOLTERING
 725 LINCOLN AVE
 SAN RAFAEL, CA 94901**

**SLIC S108752967
 HAZNET N/A**

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 08/11/2008
 Global Id: SL0604108254
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.967774
 Longitude: -122.522329
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21S0045
 File Location: Regional Board
 Potential Media Affected: Soil
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

HAZNET:

Year: 2011
 Gepaid: CAL000351943
 Contact: PAT MCALONAN
 Telephone: 4154532942
 Mailing Name: Not reported
 Mailing Address: 1531 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 94901
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.1
 Facility County: Marin

Year: 2010
 Gepaid: CAL000351943
 Contact: PAT MCALONAN
 Telephone: 4154532942

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

PETRA WOLTERING (Continued)

S108752967

Mailing Name: Not reported
 Mailing Address: 1531 4TH ST
 Mailing City,St,Zip: SAN RAFAEL, CA 94901
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.06255
 Facility County: Marin

Year: 2006
 Gepaid: CAC002606021
 Contact: PETRA WOLTERING
 Telephone: 9167362216
 Mailing Name: Not reported
 Mailing Address: 2301 HOOKE WAY
 Mailing City,St,Zip: SACRAMENTO, CA 958222821
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.29
 Facility County: Marin

30

**MARIN MANUFACTURING INC
 191 MILL ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S102432989
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0202

LUST:

Region: STATE
 Global Id: T0604100193
 Latitude: 37.966083
 Longitude: -122.511151
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/06/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0202
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Stoddard solvent / Mineral Spruits / Distillates
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN MANUFACTURING INC (Continued)

S102432989

LUST:

Global Id: T0604100193
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100193
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100193
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100193
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100193
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0202
 Facility Status: Case Closed
 Case Number: 21-0202
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 3/7/1991
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 1997

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN MANUFACTURING INC (Continued)

S102432989

Gepaid: CAL000045794
 Contact: MARIN MANUFACTURING I
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 191 MILL ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAL922955281
 TSD County: Santa Clara
 Waste Category: Photochemicals/photoprocessing waste
 Disposal Method: Not reported
 Tons: .0625
 Facility County: Marin

30

**CARRICO PROPERTY
 619 CANAL ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S101307481
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0170

LUST:

Region: STATE
 Global Id: T0604100161
 Latitude: 37.967315
 Longitude: -122.512627
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/01/2006
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0170
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100161
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100161
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CARRICO PROPERTY (Continued)

S101307481

Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100161
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 12/29/2005
 Action: * Verbal Communication

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 02/09/2006
 Action: * Verbal Communication

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 03/13/2006
 Action: * Verbal Communication

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 06/01/2006
 Action: Closure/No Further Action Letter

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 12/02/2005
 Action: * Verbal Communication

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 12/07/2005
 Action: * Verbal Communication

Global Id: T0604100161
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100161
 Action Type: ENFORCEMENT
 Date: 10/31/2005
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604100161

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CARRICO PROPERTY (Continued)

S101307481

Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0170
 Facility Status: Preliminary site assessment underway
 Case Number: 21-0170
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: 11/20/1992
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**HORST HANF LANDFILL/BAYVIEW PARK
 FRANCISCO BLVD
 SAN RAFAEL, CA**

**SWF/LF S101175423
 N/A**

SWF/LF (SWIS):

Region: STATE
 Facility ID: 21-AA-0047
 Lat/Long: 37.9488899 / -122.49095
 Owner Name: Anagam LLC (Owner Of Bldg F)
 Owner Telephone: Not reported
 Owner Address: Not reported
 Owner Address2: 2550 Kerner Blvd.
 Owner City,St,Zip: San Rafael, CA 94901
 Operator: Not reported
 Operator Phone: Not reported
 Operator Address: Not reported
 Operator Address2: Not reported
 Operator City,St,Zip: Not reported
 Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Unpermitted
 Landuse Name: Commercial
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: 0
 SWIS Num: 21-AA-0047
 Waste Discharge Requirement Num: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HORST HANF LANDFILL/BAYVIEW PARK (Continued)

S101175423

Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

Region: STATE
 Facility ID: 21-AA-0047
 Lat/Long: 37.9488899 / -122.49095
 Owner Name: Bayview Building Group LLC (Bldg H)
 Owner Telephone: Not reported
 Owner Address: Not reported
 Owner Address2: P.O. Box 3474
 Owner City,St,Zip: San Rafael, CA 94912
 Operator: Not reported
 Operator Phone: Not reported
 Operator Address: Not reported
 Operator Address2: Not reported
 Operator City,St,Zip: Not reported
 Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Unpermitted
 Landuse Name: Commercial
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: 0
 SWIS Num: 21-AA-0047
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

Region: STATE
 Facility ID: 21-AA-0047
 Lat/Long: 37.9488899 / -122.49095
 Owner Name: Bayview Business Park Owners Association
 Owner Telephone: Not reported
 Owner Address: Not reported
 Owner Address2: P.O. Box 1269
 Owner City,St,Zip: Novato, CA 94948
 Operator: Not reported
 Operator Phone: Not reported
 Operator Address: Not reported
 Operator Address2: Not reported
 Operator City,St,Zip: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HORST HANF LANDFILL/BAYVIEW PARK (Continued)

S101175423

Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Unpermitted
 Landuse Name: Commercial
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: 0
 SWIS Num: 21-AA-0047
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

Region: STATE
 Facility ID: 21-AA-0047
 Lat/Long: 37.9488899 / -122.49095
 Owner Name: Limar Realty/Pelican Way LLC
 Owner Telephone: 4153586354
 Owner Address: Not reported
 Owner Address2: 1750 S. El Camino Real, #400
 Owner City,St,Zip: San Mateo, CA 94402
 Operator: Not reported
 Operator Phone: Not reported
 Operator Address: Not reported
 Operator Address2: Not reported
 Operator City,St,Zip: Not reported
 Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Unpermitted
 Landuse Name: Commercial
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: 0
 SWIS Num: 21-AA-0047
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HORST HANF LANDFILL/BAYVIEW PARK (Continued)

S101175423

Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

Region: STATE
 Facility ID: 21-AA-0047
 Lat/Long: 37.9488899 / -122.49095
 Owner Name: Sycal Properties, (Owner Of Building G)
 Owner Telephone: Not reported
 Owner Address: Not reported
 Owner Address2: 150 Pelican Way
 Owner City,St,Zip: San Rafael, CA 94901
 Operator: Not reported
 Operator Phone: Not reported
 Operator Address: Not reported
 Operator Address2: Not reported
 Operator City,St,Zip: Not reported
 Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Unpermitted
 Landuse Name: Commercial
 GIS Source: GPS
 Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: 0
 SWIS Num: 21-AA-0047
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

31

**HORST HANF LANDFILL
 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**WMUDS/SWAT S103441067
 N/A**

WMUDS/SWAT:
 Edit Date: 19940706
 Complexity: Not reported
 Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Base Meridian: MD
 NPID: Not reported
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HORST HANF LANDFILL (Continued)

S103441067

Open To Public: False
 Waste List: False
 Agency Type: Not reported
 Agency Name: CLOSED
 Agency Department: Not reported
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Land Owner Name: HORST HANF LANDFILL
 Land Owner Address: P.O. BOX 9807
 Land Owner City,St,Zip: SAN RAFAEL, CA 94912
 Land Owner Contact: MR. LARRY TOLOMEI
 Land Owner Phone: Not reported
 Region: 2
 Facility Type: Not reported
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: HORST HANF LANDFILL
 Primary SIC: Not reported
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: JHMJHM
 Waste Discharge System: False
 Solid Waste Assessment Test Program: True
 Toxic Pits Cleanup Act Program: False
 Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: CLOSED
 Threat to Water Quality: Not reported
 Sub Chapter 15: False
 Regional Board Project Officer: GVL
 Number of WMUDS at Facility: 1
 Section Range: 01N06W
 RCRA Facility: Not reported
 Waste Discharge Requirements: Not reported
 Self-Monitoring Rept. Frequency: Not reported
 Waste Discharge System ID: 2 210002NUR
 Solid Waste Information ID: 21-AA-0047

31

**HORST HANF LANDFILL
 834 FRANCISCO BOULEVARD
 SAN RAFAEL, CA 94901**

**ENVIROSTOR S100185588
 N/A**

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21490019
 Site Code: Not reported
 Assembly: Not reported
 Senate: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HORST HANF LANDFILL (Continued)

S100185588

Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 11/09/1989
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 0
 Longitude: 0
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 21490019
 Alias Type: Envirostor ID Number

Completed Info:
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 11/09/1989
 Comments: FACILITY IDENTIFIED CALIFORNIA WASTE MANAGEMENT BOARD SWIS (21-AA-0047) RWQCB FILES: DHS LETTER 2/7/83 SITE CLOSED; PARCEL NUMBER 009-290-73 & 74; ELEVATED LEVELS OF ZINC, LEAD, CU, NICKEL; RANKED NUMBER 6 ON CALDERON LIST

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: SITE IS PENDING WATER BOARD REVIEW/ACTION.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

31

**RAB MOTORS/CALTRANS
 440 FRANCISCO BLVD. WEST
 SAN RAFAEL, CA**

**SLIC S108543256
 N/A**

SLIC:
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 01/23/2008
 Global Id: SL0604150987
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.966753
 Longitude: -122.517788
 Case Type: Cleanup Program Site
 Case Worker: REL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RAB MOTORS/CALTRANS (Continued)

S108543256

Local Agency: Not reported
 RB Case Number: 21S0048
 File Location: Not reported
 Potential Media Affected: Under Investigation
 Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating, * Metals
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

31

**BRUNING ASSOCIATES
 513 19 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**LUST S106163499
 N/A**

LUST:

Region: STATE
 Global Id: T0604100015
 Latitude: 37.9671949
 Longitude: -122.516057
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/22/1997
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0015
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100015
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100015
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100015
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BRUNSING ASSOCIATES (Continued)

S106163499

Global Id: T0604100015
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100015
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0015
 Facility Status: Case Closed
 Case Number: 68
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

**31 BRUNSING ASSOCIATES
 513519 FRANCISCO
 SAN RAFAEL, CA**

**HIST CORTESE S105026376
 N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0015

**31 LEXUS OF MARIN
 513 E. FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**AST A100226267
 N/A**

AST:
 Owner: LEXUS OF MARIN
 Total Gallons: 2,000
 Certified Unified Program Agencies: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**31 JOHN IRISH JEEP EAGLE
 475 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000305307
 FINDS CAD981441165**

RCRA-SQG:

Date form received by agency: 09/04/1986
 Facility name: JOHN IRISH JEEP EAGLE
 Facility address: 475 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD981441165
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 475 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 453-7020
 Contact email: Not reported
 EPA Region: 09
 Land type: Other land type
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JOHN IRISH
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JOHN IRISH JEEP EAGLE (Continued)

1000305307

Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/03/2000
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002706395

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

31

**JOHN IRISH AUTO PLAZA
 475 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**LUST S105032869
 HAZNET N/A**

LUST REG 2:

Region: 2
 Facility Id: 21-0160
 Facility Status: Leak being confirmed
 Case Number: 210160
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 1/5/1995
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2007
 Gepaid: CAD981441165
 Contact: JIM GRAVES- SERVIVE MGR

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JOHN IRISH AUTO PLAZA (Continued)

S105032869

Telephone: 4154537020
 Mailing Name: Not reported
 Mailing Address: 475 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Solvents Recovery
 Tons: 0.85
 Facility County: Marin

Year: 2006
 Gepaid: CAD981441165
 Contact: JIM GRAVES- SERVIVE MGR
 Telephone: 4154537020
 Mailing Name: Not reported
 Mailing Address: 475 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Marin

Year: 2005
 Gepaid: CAD981441165
 Contact: JIM GRAVES- SERVIVE MGR
 Telephone: 4154537020
 Mailing Name: Not reported
 Mailing Address: 475 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.02
 Facility County: Not reported

Year: 2004
 Gepaid: CAD981441165
 Contact: JIM GRAVES- SERVIVE MGR
 Telephone: 4154537020
 Mailing Name: Not reported
 Mailing Address: 475 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.02
 Facility County: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JOHN IRISH AUTO PLAZA (Continued)

S105032869

Year: 2003
 Gepaid: CAD981441165
 Contact: JIM GRAVES- SERVIVE MGR
 Telephone: 4154537020
 Mailing Name: JOHN IRISH AUTO PLAZA
 Mailing Address: 475 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.43
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 23 additional CA_HAZNET: record(s) in the EDR Site Report.

31

**ANNEX MOTORS INC., NISSAN-VOLV
 475 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HIST UST
 HAZNET**

**U001599921
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0160

LUST:

Region: STATE
 Global Id: T0604100151
 Latitude: 37.967807
 Longitude: -122.518052
 Case Type: LUST Cleanup Site
 Status: Open - Inactive
 Status Date: 01/06/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: UUU
 Local Agency: Not reported
 RB Case Number: 21-0160
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100151
 Contact Type: Regional Board Caseworker
 Contact Name: Regional Board (RB2)
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST SUITE 1400
 City: OAKLAND
 Email: Not reported
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ANNEX MOTORS INC., NISSAN-VOLV (Continued)

U001599921

LUST:

Global Id:	T0604100151
Action Type:	ENFORCEMENT
Date:	01/12/2012
Action:	File review
Global Id:	T0604100151
Action Type:	ENFORCEMENT
Date:	05/13/2009
Action:	File review
Global Id:	T0604100151
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100151
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100151
Action Type:	RESPONSE
Date:	07/12/1996
Action:	Correspondence
Global Id:	T0604100151
Action Type:	RESPONSE
Date:	08/01/1996
Action:	Unauthorized Release Form
Global Id:	T0604100151
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100151
Action Type:	RESPONSE
Date:	07/02/1996
Action:	Other Report / Document
Global Id:	T0604100151
Action Type:	RESPONSE
Date:	07/16/1996
Action:	Other Report / Document
Global Id:	T0604100151
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100151
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ANNEX MOTORS INC., NISSAN-VOLV (Continued)

U001599921

HIST UST:

Region: STATE
 Facility ID: 00000005920
 Facility Type: Other
 Other Type: AUTOMOTIVE DEALER
 Total Tanks: 0002
 Contact Name: GEORGE DEXTER, PRES.
 Telephone: 4154573810
 Owner Name: ANNEX MOTORS INC.
 Owner Address: 475 FRANCISCO BLVD.,
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

HAZNET:

Year: 2009
 Gepaid: CAL000342551
 Contact: FRED CZISKA
 Telephone: 4154962118
 Mailing Name: Not reported
 Mailing Address: 195 CASA BUENA DR
 Mailing City,St,Zip: CORTE MADERA, CA 949251709
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 1.10505
 Facility County: Marin

Year: 2008
 Gepaid: CAC002636292
 Contact: RALPH CURRAN
 Telephone: 7075250337
 Mailing Name: PETER ROSELL
 Mailing Address: 3820 CYPRESS DR STE 6
 Mailing City,St,Zip: PETALUMA, CA 94954
 Gen County: Marin
 TSD EPA ID: CAD982042475

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ANNEX MOTORS INC., NISSAN-VOLV (Continued)

U001599921

TSD County: Solano
 Waste Category: Asbestos containing waste
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 1.6
 Facility County: Marin

31

**R & G TOYOTA-VOLVO
 445 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S103659987
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0041

LUST REG 2:

Region: 2
 Facility Id: 21-0041
 Facility Status: Leak being confirmed
 Case Number: 21-0041
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 11/2/1988
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2002
 Gepaid: CAD981441223
 Contact: KERI BURNS/SERVICE DIR
 Telephone: 4154567071
 Mailing Name: Not reported
 Mailing Address: 445 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014058
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Oil/water separation sludge
 Disposal Method: Recycler
 Tons: 5.94
 Facility County: Not reported

Year: 2002
 Gepaid: CAD981441223
 Contact: KERI BURNS/SERVICE DIR
 Telephone: 4154567071
 Mailing Name: Not reported
 Mailing Address: 445 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014058

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

R & G TOYOTA-VOLVO (Continued)

S103659987

Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.08
 Facility County: Not reported

Year: 2002
 Gepaid: CAD981441223
 Contact: KERI BURNS/SERVICE DIR
 Telephone: 4154567071
 Mailing Name: Not reported
 Mailing Address: 445 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014058
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 1.36
 Facility County: Not reported

Year: 2002
 Gepaid: CAD981441223
 Contact: KERI BURNS/SERVICE DIR
 Telephone: 4154567071
 Mailing Name: Not reported
 Mailing Address: 445 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014058
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 14.45
 Facility County: Not reported

Year: 2002
 Gepaid: CAD981441223
 Contact: KERI BURNS/SERVICE DIR
 Telephone: 4154567071
 Mailing Name: Not reported
 Mailing Address: 445 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014058
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Oil/water separation sludge
 Disposal Method: Transfer Station
 Tons: 6.12
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 36 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**31 TOYOTA MARIN
 445 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000401546
 FINDS CAD981441223**

RCRA-SQG:

Date form received by agency: 04/08/2005
 Facility name: TOYOTA MARIN
 Facility address: 445 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD981441223
 Contact: LLOYD G WRIGHT
 Contact address: 445 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: 415-460-6800
 Telephone ext.: 362
 Contact email: LLOYD.WRIGHT@TOYOTAMARIN.COM
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PRICE CARS JR LLC
 Owner/operator address: 445 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 03/26/2004
 Owner/Op end date: Not reported
 Owner/operator name: TOM PRICE
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 03/26/2004
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TOYOTA MARIN (Continued)

1000401546

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/04/1986
Facility name: TOYOTA MARIN
Site name: DEXTER TOYOTA INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002706448

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**32 AA CARRICO
 616 CANAL ST
 SAN RAFAEL, CA 94901**

**HAZNET S103948393
 ENVIROSTOR N/A**

HAZNET:

Year: 1998
 Gepaid: CAC001389440
 Contact: AA CARRICO
 Telephone: 5102352000
 Mailing Name: Not reported
 Mailing Address: 12020 SAN PABLO AVE
 Mailing City,St,Zip: RICHMOND, CA 948050000
 Gen County: Marin
 TSD EPA ID: CAD990794133
 TSD County: San Joaquin
 Waste Category: Asbestos containing waste
 Disposal Method: Disposal, Land Fill
 Tons: 11.7992
 Facility County: Marin

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21340006
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: Other Agency
 Status Date: 06/27/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96762
 Longitude: -122.5116
 APN: 01416202
 Past Use: NONE SPECIFIED
 Potential COC: 10009, 10097, 20015
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: HOLIDAY MAGIC COSMETICS, INC.(1966-197?)
 Alias Type: Alternate Name
 Alias Name: MARIN SANITARY SERVICE (1957-1962)
 Alias Type: Alternate Name
 Alias Name: 01416202
 Alias Type: APN
 Alias Name: 21340006
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

AA CARRICO (Continued)

S103948393

Completed Document Type: * Discovery
 Completed Date: 09/01/1987
 Comments: FACILITY IDENTIFIED SAN RAFAEL CODE ENFORCEMENT

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/28/1988
 Comments: SITE SCREENING DONE NEED TO TRACK ENFORCEMENT ACTION. FURTHER SITE EVAL. MAY BE NECESSARY.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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**HI-TIDE BOAT SALES-SERVICE
 620 CANAL ST
 SAN RAFAEL, CA 94901**

**CHMIRS S106396682
 HAZNET N/A
 ENVIROSTOR**

CHMIRS:
 OES Incident Number: 03-0941
 OES notification: 2/18/200306:01:24 PM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

HI-TIDE BOAT SALES-SERVICE (Continued)

S106396682

Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: Yes
 Waterway: San Rafael Canal
 Spill Site: Not reported
 Cleanup By: Unknown
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 2003
 Agency: NRC
 Incident Date: 2/18/2003 12:00:00 AM
 Admin Agency: San Rafael Fire Department
 Amount: Not reported
 Contained: Yes
 Site Type: Waterways
 E Date: Not reported
 Substance: Diesel
 Quantity Released: Not reported
 BBLs: 0
 Cups: 0
 CUFT: 0
 Gallons: 5
 Grams: 0
 Pounds: 0
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0
 Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: Per fax from the NRC: Caller stated that Mr. Burnt was working on his boat and spilled diesel fuel in the water. Absorbents applied.

HAZNET:

Year: 2003
 Gepaid: CAL000028286
 Contact: ANTHONY CAVALLO
 Telephone: 4154590254
 Mailing Name: Not reported
 Mailing Address: 620 CANAL ST
 Mailing City, St, Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HI-TIDE BOAT SALES-SERVICE (Continued)

S106396682

Tons: 0.08
 Facility County: Marin

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21290001
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 06/08/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96788
 Longitude: -122.5122
 APN: 01416201
 Past Use: NONE SPECIFIED
 Potential COC: 10060, 10185, 10199
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: HI-TIDE BOAT SALES AND SERVICE
 Alias Type: Alternate Name
 Alias Name: 01416201
 Alias Type: APN
 Alias Name: 21290001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 09/02/1987
 Comments: FACILITY IDENTIFIED DRIVE-BY INSPECTION OF AREA FACILITY DRIVE-BY CURRENT OPERATOR HAS WASTE OIL DRUM STORAGE ALONG EAST CHAIN-LINK FENCE SOME INDICATIONS OF STAINED SOIL IN THIS AREA. OLD OIL STORAGE TANKS HAVE BEEN REMOVED. SITE IS RIGHT ALONG THE SAN RAFAEL CANAL. GROUND PHOTOS SEE 090287 DRIVE-BY PHOTOS OF CURRENT OP

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 02/24/1987
 Comments: FACILITY IDENTIFIED SAN RAFAEL CITY DIRECTORY 1965 - PETRO- LEUM

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HI-TIDE BOAT SALES-SERVICE (Continued)

S106396682

Completed Date: 03/01/1988
 Comments: SITE SCREENING DONE RATIONALE FOR PA: ASSESS POTENTIAL EXTENT OF SOIL CONTAMINATION THAT MAY HAVE RESULTED FROM PAST AND CURRENT OPERATIONS.
 Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

33

**DON COLLINS BUICK
 502 FRANCISCO BLVD W
 SAN RAFAEL, CA 94901**

**HIST UST U001599931
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000009567
 Facility Type: Other
 Other Type: AUTOMOBILE DEALERSHI
 Total Tanks: 0002
 Contact Name: DON COLLINS
 Telephone: 4154539180
 Owner Name: DON COLLINS BUICK
 Owner Address: 502 FRANCISCO BLVD
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Visual

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site Database(s) EPA ID Number EDR ID Number

33 SATURN OF MARIN RCRA-SQG 1000455737
 535 FRANCISCO BLVD E FINDS CAD982430811
 SAN RAFAEL, CA 94901 HAZNET

RCRA-SQG:

Date form received by agency: 11/07/1996
 Facility name: SATURN OF MARIN
 Facility address: 535 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901
 EPA ID: CAD982430811
 Contact: BOSTIC BOB
 Contact address: 535 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 455-1800
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: ROBERT BENSON
 Owner/operator address: 3001 CORBY AVE
 SANTA ROSA, CA 95407

Owner/operator country: Not reported
 Owner/operator telephone: (415) 455-1800
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SATURN OF MARIN (Continued)

1000455737

Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002810281

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2004
 Gepaid: CAD982430811
 Contact: DEACT PER 95 FEE FORM -P.H.
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 535 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Tons: 0.45
 Facility County: Not reported

Year: 2003
 Gepaid: CAD982430811
 Contact: DEACT PER 95 FEE FORM -P.H.
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 535 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Tons: 1.83
 Facility County: Marin

Year: 2003
 Gepaid: CAD982430811
 Contact: DEACT PER 95 FEE FORM -P.H.
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 535 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SATURN OF MARIN (Continued)

1000455737

Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Not reported
 Tons: 0.37
 Facility County: Marin

Year: 2003
 Gepaid: CAD982430811
 Contact: DEACT PER 95 FEE FORM -P.H.
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 535 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.1
 Facility County: Marin

Year: 2002
 Gepaid: CAD982430811
 Contact: DEACT PER 95 FEE FORM -P.H.
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 535 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Tons: 0.93
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 21 additional CA_HAZNET: record(s) in the EDR Site Report.

33

**BOORMAN AUTO
 9 BAY ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000698077
 FINDS CAD982459893
 HAZNET**

RCRA-SQG:
 Date form received by agency: 02/21/1991
 Facility name: BOORMAN AUTO
 Facility address: 9 BAY ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982459893
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 9 BAY ST
 SAN RAFAEL, CA 94941
 Contact country: US
 Contact telephone: (415) 456-6578
 Contact email: Not reported
 EPA Region: 09

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BOORMAN AUTO (Continued)

1000698077

Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110008278176

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BOORMAN AUTO (Continued)

1000698077

corrective action activities required under RCRA.

HAZNET:

Year: 2000
 Gepaid: CAD982459893
 Contact: ROLLY BOORMAN
 Telephone: 4154566578
 Mailing Name: Not reported
 Mailing Address: 9 BAY ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949014001
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: .0208
 Facility County: Marin

33

**BLAKES AUTO BODY INC
 31 BAY ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000269745
 FINDS CAD981170681
 HAZNET**

RCRA-SQG:

Date form received by agency: 01/21/1986
 Facility name: BLAKES AUTO BODY INC
 Facility address: 31 BAY ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981170681
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 31 BAY ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 459-6115
 Contact email: Not reported
 EPA Region: 09
 Land type: Other land type
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BLAKE ANDROS
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

BLAKES AUTO BODY INC (Continued)

1000269745

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/17/1999
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001168370

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BLAKES AUTO BODY INC (Continued)

1000269745

HAZNET:

Year: 2011
 Gepaid: CAD981170681
 Contact: MARC S SEBASTIAN GENERAL MGR
 Telephone: 7075844188
 Mailing Name: Not reported
 Mailing Address: 5500 STATE FARM DR
 Mailing City,St,Zip: ROHNERT PARK, CA 949281611
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.12
 Facility County: Marin

Year: 2011
 Gepaid: CAD981170681
 Contact: MARC S SEBASTIAN GENERAL MGR
 Telephone: 7075844188
 Mailing Name: Not reported
 Mailing Address: 5500 STATE FARM DR
 Mailing City,St,Zip: ROHNERT PARK, CA 949281611
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Unspecified aqueous solution
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.095
 Facility County: Marin

Year: 2011
 Gepaid: CAD981170681
 Contact: MARC S SEBASTIAN GENERAL MGR
 Telephone: 7075844188
 Mailing Name: Not reported
 Mailing Address: 5500 STATE FARM DR
 Mailing City,St,Zip: ROHNERT PARK, CA 949281611
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.0625
 Facility County: Marin

Year: 2010
 Gepaid: CAD981170681
 Contact: MARC S SEBASTIAN GENERAL MGR
 Telephone: 7075844188
 Mailing Name: Not reported
 Mailing Address: 5500 STATE FARM DR
 Mailing City,St,Zip: ROHNERT PARK, CA 949281611
 Gen County: Not reported
 TSD EPA ID: TXD077603371

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BLAKES AUTO BODY INC (Continued)

1000269745

TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.05
 Facility County: Marin

Year: 2010
 Gepaid: CAD981170681
 Contact: MARC S SEBASTIAN GENERAL MGR
 Telephone: 7075844188
 Mailing Name: Not reported
 Mailing Address: 5500 STATE FARM DR
 Mailing City,St,Zip: ROHNERT PARK, CA 949281611
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Unspecified aqueous solution
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.018
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 57 additional CA_HAZNET: record(s) in the EDR Site Report.

33

**MARINE ENGINE & ELECTRIC
 51 BAY ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000256366
 FINDS CAD981679244**

RCRA-SQG:
 Date form received by agency: 10/10/1986
 Facility name: MARINE ENGINE & ELECTRIC
 Facility address: 51 BAY ST
 SAN RAFAEL, CA 94901

EPA ID: CAD981679244
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 51 BAY ST
 SAN RAFAEL, CA 94901

Contact country: US
 Contact telephone: (415) 454-8177
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: MICHAEL WATERS
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARINE ENGINE & ELECTRIC (Continued)

1000256366

Owner/Op start date: Not reported
 Owner/Op end date: Not reported

 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002748572

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

34

**CAR SHOP
 616 LINDARO
 SAN RAFAEL, CA 94901**

**HAZNET S101481156
 ENVIROSTOR N/A**

HAZNET:

Year: 2007
 Gepaid: CAL912253984
 Contact: CARLOS NOGUEIRO
 Telephone: 4154531772
 Mailing Name: Not reported
 Mailing Address: 616 LINDARO ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013936
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CAR SHOP (Continued)

S101481156

TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.05
 Facility County: Marin

Year: 2004
 Gepaid: CAL912253984
 Contact: CARLOS NOGUEIRO
 Telephone: 4154531772
 Mailing Name: Not reported
 Mailing Address: 616 LINDARO ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013936
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.08
 Facility County: Not reported

Year: 1996
 Gepaid: CAL912253984
 Contact: CAR SHOP
 Telephone: 4154531772
 Mailing Name: Not reported
 Mailing Address: 616 LINDARO ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013936
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Transfer Station
 Tons: .0416
 Facility County: Marin

Year: 1995
 Gepaid: CAL912253984
 Contact: CAR SHOP
 Telephone: 4154531772
 Mailing Name: Not reported
 Mailing Address: 616 LINDARO ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013936
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Transfer Station
 Tons: .0624
 Facility County: Marin

ENVIROSTOR:

Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: Not reported
 NPL: NO

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CAR SHOP (Continued)

S101481156

Regulatory Agencies: SMBRP, MARIN COUNTY
 Lead Agency: MARIN COUNTY,SMBRP
 Program Manager: Barbara Cook
 Supervisor: Barbara Cook
 Division Branch: Cleanup Berkeley
 Facility ID: 21750008
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: Not reported
 Status: No Further Action
 Status Date: 06/15/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 37.96667
 Longitude: -122.5263
 APN: 01307139
 Past Use: VEHICLE MAINTENANCE
 Potential COC: 30013
 Confirmed COC: 30013
 Potential Description: SOIL
 Alias Name: 01307139
 Alias Type: APN
 Alias Name: 21750008
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Removal Action Completion Report
 Completed Date: 05/03/1993
 Comments: RA: Approximately 50 cubic yards of contaminated soil (lead as high as 1500 ppm) was excavated and disposed off-site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 08/11/1992
 Comments: High concentration of soluble and total lead were found in a ditch, adjacent to the James P. Davidson Elementary School, located in San Rafael. Lead levels were found as high as 1500 ppm.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 01/11/1990
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

35	MCGUINNESS MECHANICS 771 ANDERSEN DR SAN RAFAEL, CA 94901	RCRA-SQG FINDS HAZNET	1000455738 CAD982429607
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RCRA-SQG:

Date form received by agency: 09/06/1990
 Facility name: MCGUINNESS MECHANICS
 Facility address: 771 ANDERSEN DR
 SAN RAFAEL, CA 94901
 EPA ID: CAD982429607
 Mailing address: ANDERSEN DR
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 771 ANDERSEN DR
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 459-0622
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: QUINT MCGUINNESS
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MCGUINNESS MECHANICS (Continued)

1000455738

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002809890

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAD982429607
 Contact: QUINT MCGUINNESS
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 771 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949015362
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.2293
 Facility County: Marin

35

**INFINITI OF MARIN
 620 DUBOIS ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1001115438
 FINDS CAR000013730
 HAZNET**

RCRA-SQG:

Date form received by agency: 02/09/2005
 Facility name: INFINITI OF MARIN
 Facility address: 620 DUBOIS ST
 SAN RAFAEL, CA 94901
 EPA ID: CAR000013730
 Mailing address: 195 CASA BUENA DR
 CORTE MADERA, CA 94925
 Contact: JEFF C GILMER
 Contact address: 195 CASA BUENA DR
 CORTE MADERA, CA 94925
 Contact country: US
 Contact telephone: 866-416-2746
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

INFINITI OF MARIN (Continued)

1001115438

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: FRED CZISKA
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 09/24/2004
 Owner/Op end date: Not reported

Owner/operator name: TOM PRICE
 Owner/operator address: 195 CASA BUENA DR
 CORTE MADERA, CA 94925
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 09/24/2004
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 12/18/2000
 Facility name: INFINITI OF MARIN
 Site name: LEXUS OF MARIN
 Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

INFINITI OF MARIN (Continued)

1001115438

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
 Waste name: LEAD

Waste code: F001
 Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002912983

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2001
 Gepaid: CAR000013730
 Contact: RON BISTOLFO/ENVIRN DIRECTOR
 Telephone: 6502222419
 Mailing Name: Not reported
 Mailing Address: 3737 FIRST STREET
 Mailing City,St,Zip: LIVERMORE, CA 945503942
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

INFINITI OF MARIN (Continued)

1001115438

Year: 2000
 Gepaid: CAR000013730
 Contact: MR ROLAND BACCI
 Telephone: 4154606000
 Mailing Name: Not reported
 Mailing Address: 620 DU BOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013942
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: .2582
 Facility County: Marin

Year: 2000
 Gepaid: CAR000013730
 Contact: MR ROLAND BACCI
 Telephone: 4154606000
 Mailing Name: Not reported
 Mailing Address: 620 DU BOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013942
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: .1959
 Facility County: Marin

Year: 2000
 Gepaid: CAR000013730
 Contact: MR ROLAND BACCI
 Telephone: 4154606000
 Mailing Name: Not reported
 Mailing Address: 620 DU BOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013942
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 1.3552
 Facility County: Marin

Year: 1999
 Gepaid: CAR000013730
 Contact: MR ROLAND BACCI
 Telephone: 4154606000
 Mailing Name: Not reported
 Mailing Address: 620 DU BOIS ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949013942
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

INFINITI OF MARIN (Continued)

1001115438

Tons: 1.0842
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 3 additional CA_HAZNET: record(s) in the EDR Site Report.

36

**UNKNOWN
 114 MILL ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102441462
 LUST N/A
 SWEEPS UST
 HAZNET**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0273

LUST:

Region: STATE
 Global Id: T0604100255
 Latitude: 37.965927
 Longitude: -122.511264
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/04/2011
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: UUU
 Local Agency: Not reported
 RB Case Number: 21-0273
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100255
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100255
 Action Type: ENFORCEMENT
 Date: 09/12/2011
 Action: Notification - Fee Title Owners Notice

Global Id: T0604100255
 Action Type: ENFORCEMENT
 Date: 07/22/2009
 Action: File review

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

UNKNOWN (Continued)

S102441462

Global Id:	T0604100255
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100255
Action Type:	ENFORCEMENT
Date:	11/04/2010
Action:	13267 Monitoring Program
Global Id:	T0604100255
Action Type:	RESPONSE
Date:	05/20/2011
Action:	Soil and Water Investigation Report
Global Id:	T0604100255
Action Type:	ENFORCEMENT
Date:	04/28/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100255
Action Type:	ENFORCEMENT
Date:	02/22/2011
Action:	13267 Requirement
Global Id:	T0604100255
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100255
Action Type:	RESPONSE
Date:	01/07/2011
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100255
Action Type:	ENFORCEMENT
Date:	10/04/2011
Action:	Closure/No Further Action Letter
Global Id:	T0604100255
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0273
Facility Status:	Leak being confirmed
Case Number:	84
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	7/13/1993
Oversight Program:	LUST
Prelim. Site Assessment Wokplan Submitted:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

UNKNOWN (Continued)

S102441462

Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
 Comp Number: 8355
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-008355-000001
 Actv Date: Not reported
 Capacity: 550
 Tank Use: OIL
 Stg: WASTE
 Content: WASTE OIL
 Number Of Tanks: 1

HAZNET:

Year: 2008
 Gepaid: CAD983589565
 Contact: MIKE OKEY
 Telephone: 4154593068
 Mailing Name: Not reported
 Mailing Address: 114 MILL ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.168
 Facility County: Marin

37

**MCPHAIL'S, INC.
 548 DEBOIS ST.
 SAN RAFAEL, CA 94901**

**HIST UST U001599957
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000019210
 Facility Type: Other
 Other Type: BUILDING MATERIALS &
 Total Tanks: 0001
 Contact Name: BRUCE MACPHAIL
 Telephone: 4154536070
 Owner Name: MCPHAIL'S, INC.
 Owner Address: 917 D STREET
 Owner City,St,Zip: SAN RAFAEL, CA 94901

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MCPHAIL'S, INC. (Continued)

U001599957

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 inches
 Leak Detection: Visual

37

**MCPHAIL-SHAMROCK CONCRETE PLANT
 548 DUBOIS ST.
 SAN RAFAEL, CA**

**SLIC
 HAZNET
 ENVIROSTOR**

**S105033879
 N/A**

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 11/10/2009
 Global Id: SL0604154124
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.9649829111427
 Longitude: -122.517739534378
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21S0050
 File Location: Regional Board
 Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: * Metals, Diesel
 Site History: 913.49 tons Petroleum impacted soil removed in March 2003. 3,532 tons excavated in July 2004.

Click here to access the California GeoTracker records for this facility:

HAZNET:

Year: 1994
 Gepaid: CAL912415008
 Contact: MCPHAILS INC
 Telephone: 4154532001
 Mailing Name: Not reported
 Mailing Address: 1318 REDWOOD WAY STE 110
 Mailing City,St,Zip: PETALUMA, CA 949540000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 1.0000
 Facility County: Marin

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MCPHAIL-SHAMROCK CONCRETE PLANT (Continued)

S105033879

Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21320002
 Site Code: Not reported
 Assembly: Not reported
 Senate: Not reported
 Special Program: * Rural County Survey Program
 Status: Refer: Other Agency
 Status Date: 07/29/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 0
 Longitude: 0
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 21320002
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 08/30/1989
 Comments: FACILITY IDENTIFIED DEPARTMENT OF FISH AND GAME - CONCRETE COMPANY WITH WASTEWATER FACILITY DRIVE-BY NO APPARENT PROBLEM

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: LARGE SIZE OF OPERATION, FACILITY TYPE.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

37

**SHAMROCK MATERIALS, INC.
 548 DUBOIS ST.
 SAN RAFAEL, CA 94901**

**AST A100160735
 N/A**

AST:

Owner: SHAMROCK MATERIALS, INC.
 Total Gallons: 48,500
 Certified Unified Program Agencies: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

37 **MAGGIORA & GHILOTTI INC.**
555 DU BOIS ST
SAN RAFAEL, CA 94901

HIST UST **U001599948**
N/A

HIST UST:
 Region: STATE
 Facility ID: 00000008822
 Facility Type: Not reported
 Other Type: CONSTRUCTION YARD
 Total Tanks: 0003
 Contact Name: JIM GHILOTTI
 Telephone: 4154598640
 Owner Name: MAGGIORA & GHILOTTI INC.
 Owner Address: 555 DUBOIS ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1982
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: 1982
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 3
 Year Installed: 1982
 Tank Capacity: 00000750
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

38 **RAB MOTORS/CALTRANS**
550 FRANCISCO BLVD. WEST
SAN RAFAEL, CA 94901

SLIC **S107619994**
N/A

SLIC:
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 01/11/2008
 Global Id: SL0604148996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.964981
 Longitude: -122.514678
 Case Type: Cleanup Program Site
 Case Worker: REL
 Local Agency: MARIN COUNTY
 RB Case Number: 21S0043

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RAB MOTORS/CALTRANS (Continued)

S107619994

File Location: Not reported
 Potential Media Affected: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel, MTBE / TBA / Other Fuel Oxygenates, Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

38

**FLADEBOE CHEV GEO OLDS
 550 FRANCISCO BLVD WEST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000429708
 FINDS CAD981684194
 HAZNET**

RCRA-SQG:

Date form received by agency: 07/16/1997
 Facility name: FLADEBOE CHEV GEO OLDS
 Facility address: 550 FRANCISCO BLVD WEST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981684194
 Mailing address: 550 FRANCISCO BVD WEST
 SAN RAFAEL, CA 94901
 Contact: STEVEN ALVERNAZ
 Contact address: 550 FRANCISCO BLVD WEST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 721-1170
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BRUCE FLADEBOE
 Owner/operator address: 550 FRANCISCO BLVD W
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 721-1170
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FLADEBOE CHEV GEO OLDS (Continued)

1000429708

Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751530

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAL000160248
 Contact: FLADEBOE MOTOR CO
 Telephone: 4154537353
 Mailing Name: Not reported
 Mailing Address: 550 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified solvent mixture
 Disposal Method: Recycler
 Tons: 0.2335
 Facility County: Marin

Year: 1999
 Gepaid: CAL000160248
 Contact: FLADEBOE MOTOR CO
 Telephone: 4154537353
 Mailing Name: Not reported
 Mailing Address: 550 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FLADEBOE CHEV GEO OLDS (Continued)

1000429708

Disposal Method: Transfer Station
 Tons: 0.237
 Facility County: Marin

Year: 1999
 Gepaid: CAD981684194
 Contact: FLADEBOE MOTOR COMPANY
 Telephone: 4154537353
 Mailing Name: Not reported
 Mailing Address: 550 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: 0.1041
 Facility County: Marin

Year: 1999
 Gepaid: CAL000160248
 Contact: FLADEBOE MOTOR CO
 Telephone: 4154537353
 Mailing Name: Not reported
 Mailing Address: 550 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 2.6688
 Facility County: Marin

Year: 1998
 Gepaid: CAL000160248
 Contact: FLADEBOE MOTOR CO
 Telephone: 4154537353
 Mailing Name: Not reported
 Mailing Address: 550 FRANCISCO BLVD W
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Marin
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Oil/water separation sludge
 Disposal Method: Transfer Station
 Tons: .6963
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 24 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MICHAEL STEADS MARIN FORD (Continued)

1000311485

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
 Facility name: MICHAEL STEADS MARIN FORD
 Classification: Small Quantity Generator

Date form received by agency: 08/29/1984
 Facility name: MICHAEL STEADS MARIN FORD
 Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/27/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001197179

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MICHAEL STEADS MARIN FORD (Continued)

1000311485

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2009
 Gepaid: CAC002642117
 Contact: WAYNE CROSS
 Telephone: 4153821120
 Mailing Name: Not reported
 Mailing Address: 4 KINGFISHER CT
 Mailing City,St,Zip: NOVATO, CA 949496628
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 2.0433
 Facility County: Marin

Year: 2009
 Gepaid: CAC002642117
 Contact: WAYNE CROSS
 Telephone: 4153821120
 Mailing Name: Not reported
 Mailing Address: 4 KINGFISHER CT
 Mailing City,St,Zip: NOVATO, CA 949496628
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: 99
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 1.6856
 Facility County: Marin

Year: 2002
 Gepaid: CAD980884746
 Contact: AMANDA GERARD-BUS MGR
 Telephone: 4154534220
 Mailing Name: Not reported
 Mailing Address: 619 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Other organic solids
 Disposal Method: Transfer Station
 Tons: 0.76
 Facility County: Not reported

Year: 2002
 Gepaid: CAD980884746
 Contact: AMANDA GERARD-BUS MGR
 Telephone: 4154534220

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MICHAEL STEADS MARIN FORD (Continued)

1000311485

Mailing Name: Not reported
 Mailing Address: 619 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 1.19
 Facility County: Not reported

Year: 2002
 Gepaid: CAD980884746
 Contact: AMANDA GERARD-BUS MGR
 Telephone: 4154534220
 Mailing Name: Not reported
 Mailing Address: 619 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Oil/water separation sludge
 Disposal Method: Recycler
 Tons: 1.04
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 40 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1990
 County Code: 21
 Air Basin: SF
 Facility ID: 3876
 Air District Name: BA
 SIC Code: 5511
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 3
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

38

R.A.B. MOTORS, INC.
540 FRANCISCO BOULEVARD WEST
SAN RAFAEL, CA

UST U004051143
N/A

MARIN CO. UST:

Facility Id: 30-0176

 Tank Number: 000001
 Tank Status: UST Removal
 Tank Contents: Premium unleaded

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R.A.B. MOTORS, INC. (Continued)

U004051143

Tank Use: Motor vehicle fueling
 Certificate Number: 05383
 Last Inspected: 9/3/1999
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000002
 Tank Status: UST Removal
 Tank Contents: Petroleum blend fuel
 Tank Use: Motor vehicle fueling
 Certificate Number: 05383
 Last Inspected: 9/3/1999
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: UST Removal
 Tank Contents: Not reported
 Tank Use: Hazardous waste (includes used oil)
 Certificate Number: 05383
 Last Inspected: 9/3/1999
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

38

**R.A.B. MOTORS INC
 540 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**SWEEPS UST S106931040
 N/A**

SWEEPS UST:

Status: Active
 Comp Number: 66536
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2
 Swrcb Tank Id: 21-028-066536-000001
 Actv Date: 06-20-91
 Capacity: 1000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: 3

Status: Active
 Comp Number: 66536
 Number: 1
 Board Of Equalization: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R.A.B. MOTORS INC (Continued)

S106931040

Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: THREE
 Swrcb Tank Id: 21-028-066536-000002
 Actv Date: 06-20-91
 Capacity: 500
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 66536
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-066536-000003
 Actv Date: 06-20-91
 Capacity: 2000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

38

**R A B MOTORS INC
 540 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000103718
 FINDS CAD982370223
 LUST
 CA FID UST
 UST
 HIST UST
 SWEEPS UST
 HAZNET**

RCRA-SQG:

Date form received by agency: 07/26/2005
 Facility name: R A B MOTORS INC
 Facility address: 540 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD982370223
 Contact: JOHN SEADLER
 Contact address: 540 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: 415-454-0582
 Contact email: JSEADLER@RABMOTORS.COM
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R A B MOTORS INC (Continued)

1000103718

Owner/Operator Summary:

Owner/operator name: ROLAND A BACCI
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: ROLAND A BACCI
 Owner/operator address: 540 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 05/03/1988
 Owner/Op end date: Not reported

Owner/operator name: JOHN SEADLER
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 09/19/2001
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

R A B MOTORS INC (Continued)

1000103718

Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
 Facility name: R A B MOTORS INC
 Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
 Waste name: LEAD

Waste code: F001
 Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002802281

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Region: STATE
 Global Id: T0604164335
 Latitude: 37.965576
 Longitude: -122.516193
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 04/11/2008
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R A B MOTORS INC (Continued)

1000103718

RB Case Number: 21-0367
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604164335
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 09/18/2003
 Action: * Verbal Communication

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 09/18/2003
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 09/19/2003
 Action: * Verbal Communication

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 09/10/2003
 Action: * Verbal Communication

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 04/30/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604164335
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 07/01/1999
 Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0604164335
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

R A B MOTORS INC (Continued)

1000103718

Date: 05/14/1999
 Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 01/01/2001
 Action: Soil and Water Investigation Workplan

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 12/08/1998
 Action: Other Report / Document

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 09/01/1997
 Action: Other Report / Document

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 12/15/1998
 Action: Correspondence

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 04/30/2001
 Action: Other Report / Document

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 10/31/2002
 Action: Other Report / Document

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 04/27/1998
 Action: Other Report / Document

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 06/24/2002
 Action: Soil and Water Investigation Workplan

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 08/01/2004
 Action: Monitoring Report - Quarterly

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 04/27/1998
 Action: Other Report / Document

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 12/17/2002
 Action: Request for Closure

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

R A B MOTORS INC (Continued)

1000103718

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 04/15/1999
 Action: Soil and Water Investigation Workplan

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 10/15/1999
 Action: Soil and Water Investigation Report

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 04/11/2008
 Action: Closure/No Further Action Letter

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 03/14/2006
 Action: * Verbal Communication

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 12/26/2006
 Action: * Verbal Communication

Global Id: T0604164335
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavation

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 10/30/2005
 Action: Monitoring Report - Quarterly

Global Id: T0604164335
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604164335
 Action Type: RESPONSE
 Date: 05/11/2007
 Action: Monitoring Report - Quarterly

Global Id: T0604164335
 Action Type: ENFORCEMENT
 Date: 12/03/2007
 Action: * Verbal Communication

Global Id: T0604164335
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604164335
 Action Type: ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R A B MOTORS INC (Continued)

1000103718

Date: 07/27/2006
 Action: 13267 Monitoring Program

CA FID UST:

Facility ID: 21001695
 Regulated By: UTNKI
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: Not reported
 Mail To: Not reported
 Mailing Address: 540 W FRANSISCO BLVD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 949013925
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

Facility ID: 21000915
 Regulated By: UTNKA
 Regulated ID: 00066536
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154540582
 Mail To: Not reported
 Mailing Address: 540 W FRANCISCO BLVD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

UST:

Facility ID: 300176
 Latitude: 37.96337
 Longitude: -122.51186

HIST UST:

Region: STATE
 Facility ID: 00000066536
 Facility Type: Other
 Other Type: CAR DEALERSHIP
 Total Tanks: 0003
 Contact Name: HEINZ BERTRAM, MGR.
 Telephone: 4154540582
 Owner Name: R.A.B. MOTORS INC.
 Owner Address: 540 FRANCISCO BLVD. WEST

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R A B MOTORS INC (Continued)

1000103718

Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 02
 Year Installed: 1986
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: 4
 Tank Construction: Unkown inches
 Leak Detection: Vapor Sniff Well, Sensor Instrument

Tank Num: 002
 Container Num: THREE
 Year Installed: 1986
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Vapor Sniff Well, Sensor Instrument, Groundwater Monitoring Well

Tank Num: 003
 Container Num: 01
 Year Installed: 1986
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Vapor Sniff Well, Sensor Instrument

SWEEPS UST:

Status: Not reported
 Comp Number: 10042
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-010042-000001
 Actv Date: Not reported
 Capacity: 1
 Tank Use: UNKNOWN
 Stg: PRODUCT
 Content: UNKNOWN
 Number Of Tanks: 3

Status: Not reported
 Comp Number: 10042
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-010042-000002

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R A B MOTORS INC (Continued)

1000103718

Actv Date: Not reported
 Capacity: 1
 Tank Use: UNKNOWN
 Stg: PRODUCT
 Content: UNKNOWN
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 10042
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-010042-000003
 Actv Date: Not reported
 Capacity: 1
 Tank Use: UNKNOWN
 Stg: PRODUCT
 Content: UNKNOWN
 Number Of Tanks: Not reported

HAZNET:

Year: 2011
 Gepaid: CAD982370223
 Contact: GIOVANNI BONDOC
 Telephone: 4154540582
 Mailing Name: Not reported
 Mailing Address: 540 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
 Tons: 13.41072
 Facility County: Marin

Year: 2011
 Gepaid: CAD982370223
 Contact: GIOVANNI BONDOC
 Telephone: 4154540582
 Mailing Name: Not reported
 Mailing Address: 540 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 1.134
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

R A B MOTORS INC (Continued)

1000103718

Year: 2011
 Gepaid: CAD982370223
 Contact: GIOVANNI BONDOC
 Telephone: 4154540582
 Mailing Name: Not reported
 Mailing Address: 540 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Not reported
 TSD EPA ID: CAD097030993
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.0625
 Facility County: Marin

Year: 2010
 Gepaid: CAD982370223
 Contact: GIOVANNI BONDOC
 Telephone: 4154540582
 Mailing Name: Not reported
 Mailing Address: 540 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.2268
 Facility County: Marin

Year: 2010
 Gepaid: CAD982370223
 Contact: GIOVANNI BONDOC
 Telephone: 4154540582
 Mailing Name: Not reported
 Mailing Address: 540 W FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949013925
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 13.5108
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 17 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

38	RAB MOTORS 540 WEST FRANCISCO BLVD SAN RAFAEL, CA 94901	AST	A100324751 N/A
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AST:

Owner:	RONALD A. BACCI
Total Gallons:	4,640
Certified Unified Program Agencies:	Marin

38	HATTAR MOTO SPORTS 601 E FRANCISCO BLVD SAN RAFAEL, CA	LUST	S108418336 N/A
-----------	---	-------------	---------------------------------

LUST:

Region:	STATE
Global Id:	T0604117143
Latitude:	37.965083
Longitude:	-122.513931
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/19/2007
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	REL
Local Agency:	Not reported
RB Case Number:	21-0388
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline, Benzene
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0604117143
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported

Global Id:	T0604117143
Contact Type:	Regional Board Caseworker
Contact Name:	RALPH LAMBERT
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST. SUITE 1500
City:	OAKLAND
Email:	ralambert@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604117143
Action Type:	ENFORCEMENT
Date:	12/28/2006
Action:	Site Visit / Inspection / Sampling

Global Id:	T0604117143
Action Type:	Other

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HATTAR MOTO SPORTS (Continued)

S108418336

Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604117143
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Began

Global Id: T0604117143
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavation

Global Id: T0604117143
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604117143
 Action Type: ENFORCEMENT
 Date: 10/19/2007
 Action: Closure/No Further Action Letter

38

**SUNNEN NHRS
 595 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**CA FID UST S101588492
 SWEEPS UST N/A**

CA FID UST:

Facility ID: 21000745
 Regulated By: UTNKA
 Regulated ID: 00068685
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154543911
 Mail To: Not reported
 Mailing Address: 595 E FRANCISCO BLVD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 68685
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 02-07-92
 Action Date: 02-07-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: UNKNOWN

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SUNNEN NHRS (Continued)

S101588492

Swrcb Tank Id: 21-028-068685-000001
 Actv Date: 02-07-92
 Capacity: 500
 Tank Use: EMPTY
 Stg: P
 Content: WASTE OIL
 Number Of Tanks: 1

38

ROSSI MOTORS DBA MARIN MAZDA SUBARU
595 FRANCISCO BLVD E
SAN RAFAEL, CA 94901

LUST U001599969
HIST UST N/A
HAZNET

LUST:

Region: STATE
 Global Id: T0604100244
 Latitude: 37.9651308
 Longitude: -122.5140504
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/30/1998
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0261
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100244
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100244
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100244
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100244

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ROSSI MOTORS DBA MARIN MAZDA SUBARU (Continued)

U001599969

Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100244
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

HIST UST:

Region: STATE
 Facility ID: 00000011395
 Facility Type: Other
 Other Type: CAR-DEALERSHIP
 Total Tanks: 0001
 Contact Name: HEINZ BERTRAM, SERVICE MANAGER
 Telephone: 4154540582
 Owner Name: R.A.B. MOTORS, INC.
 Owner Address: 595 FRANCISCO BLVD.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 01
 Year Installed: Not reported
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

HAZNET:

Year: 2011
 Gepaid: CAD983640566
 Contact: RON VAN DE KRAATS SVC MGR
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Not reported
 TSD EPA ID: CAD982042475
 TSD County: Not reported
 Waste Category: Asbestos containing waste
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 3.6
 Facility County: Marin

Year: 2010
 Gepaid: CAD983640566
 Contact: EDWARD ROSSI
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ROSSI MOTORS DBA MARIN MAZDA SUBARU (Continued)

U001599969

TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.231
 Facility County: Marin

Year: 2010
 Gepaid: CAD983640566
 Contact: EDWARD ROSSI
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.315
 Facility County: Marin

Year: 2010
 Gepaid: CAD983640566
 Contact: EDWARD ROSSI
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.021
 Facility County: Marin

Year: 2010
 Gepaid: CAD983640566
 Contact: EDWARD ROSSI
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.021
 Facility County: Marin

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Database(s)	EPA ID Number
Site		

ROSSI MOTORS DBA MARIN MAZDA SUBARU (Continued)

U001599969

[Click this hyperlink](#) while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

38	<p>MAZDA OF MARIN 595 E FRANCISCO BLVD SAN RAFAEL, CA 94901</p>	<p>RCRA-SQG FINDS</p>	<p>1000686679 CAD983640566</p>
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RCRA-SQG:

Date form received by agency: 06/25/1992
Facility name: MAZDA OF MARIN
Facility address: 595 E FRANCISCO BLVD
SAN RAFAEL, CA 94901
EPA ID: CAD983640566
Mailing address: E FRANCISCO BLVD
SAN RAFAEL, CA 94901
Contact: MICHAEL CULMER
Contact address: 595 E FRANCISCO BLVD
SAN RAFAEL, CA 94901
Contact country: US
Contact telephone: (415) 454-9240
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MAZDA OF MARIN
Owner/operator address: 595 E FRANCISCO
SAN RAFAEL, CA 94901
Owner/operator country: Not reported
Owner/operator telephone: (415) 454-9240
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAZDA OF MARIN (Continued)

1000686679

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/07/1999
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002879252

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

38

**MARIN MAZDA SUBARU
 595 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HAZNET**

**S102437728
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0261

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0272

LUST REG 2:

Region: 2
 Facility Id: 21-0261
 Facility Status: Case Closed
 Case Number: 21-0261
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 4/27/1995
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN MAZDA SUBARU (Continued)

S102437728

Date Post Remedial Action Monitoring Began: Not reported

Region: 2
 Facility Id: 21-0272
 Facility Status: Leak being confirmed
 Case Number: 21-76
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 1/5/1995
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2009
 Gepaid: CAD983640566
 Contact: JOHN LAUSTER/SERVICE MANAGER
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 1.2474
 Facility County: Marin

Year: 2008
 Gepaid: CAD983640566
 Contact: JOHN LAUSTER/SERVICE MANAGER
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 1.008
 Facility County: Marin

Year: 2007
 Gepaid: CAD983640566
 Contact: JOHN LAUSTER/SERVICE MANAGER
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN MAZDA SUBARU (Continued)

S102437728

Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 1.04
 Facility County: Marin

Year: 2007
 Gepaid: CAD983640566
 Contact: JOHN LAUSTER/SERVICE MANAGER
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Solvents Recovery
 Tons: 1.87
 Facility County: Marin

Year: 2007
 Gepaid: CAD983640566
 Contact: JOHN LAUSTER/SERVICE MANAGER
 Telephone: 4154549240
 Mailing Name: Not reported
 Mailing Address: 595 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014022
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Not reported
 Tons: 0.25
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 31 additional CA_HAZNET: record(s) in the EDR Site Report.

38

**NORTH BAY PORSCHE
 595 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**HIST UST U001599965
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000068685
 Facility Type: Other
 Other Type: AUTO DEALERSHIP
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154543911
 Owner Name: NORTH BAY PORSCHE
 Owner Address: 595 EAST FRANCISCO BOULEVARD
 Owner City,St,Zip: SAN RAFAEL, CA 94901

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

NORTH BAY PORSCHE (Continued)

U001599965

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: 5
 Tank Construction: Unkown centimeters
 Leak Detection: None

39

**J P PLATING, INC
 42 HOAG ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000128030
 FINDS CAD981448038
 HAZNET**

RCRA-SQG:

Date form received by agency: 03/03/1986
 Facility name: J P PLATING, INC
 Facility address: 42 HOAG ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981448038
 Mailing address: HOAG ST
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 42 HOAG ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-6588
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JAMES R RING
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

J P PLATING, INC (Continued)

1000128030

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002710497

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1994
 Gepaid: CAD981448038
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 42 HOAG ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Liquids with chromium (VI) >= 500 Mg./L
 Disposal Method: Treatment, Tank
 Tons: .6672
 Facility County: Marin

Year: 1994
 Gepaid: CAD981448038
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 42 HOAG ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980884183

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

J P PLATING, INC (Continued)

1000128030

TSD County: Sacramento
 Waste Category: Liquids with pH <= 2 with metals
 Disposal Method: Transfer Station
 Tons: .7923
 Facility County: Marin

Year: 1994
 Gepaid: CAD981448038
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 42 HOAG ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Liquids with cyanides >= 1,000 Mg./L
 Disposal Method: Disposal, Other
 Tons: .4378
 Facility County: Marin

Year: 1994
 Gepaid: CAD981448038
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 42 HOAG ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Disposal, Land Fill
 Tons: .7500
 Facility County: Marin

Year: 1994
 Gepaid: CAD981448038
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 42 HOAG ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAT000646117
 TSD County: Kings
 Waste Category: Not reported
 Disposal Method: Treatment, Tank
 Tons: .2251
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**39 LEON C FELTON CO
 60 HOAG ST
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000304241
 FINDS CAD981682727
 LUST
 HIST UST
 HAZNET**

RCRA NonGen / NLR:

Date form received by agency: 10/24/1997
 Facility name: LEON C FELTON CO
 Facility address: 60 HOAG ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981682727
 Mailing address: 601 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact: DALE BARKER
 Contact address: 740 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-9040
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LEON C FELTON
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LEON C FELTON CO (Continued)

1000304241

Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 10/14/1986
 Facility name: LEON C FELTON CO
 Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002750684

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Region: STATE
 Global Id: T0604104248
 Latitude: 37.9656130647179
 Longitude: -122.510460019112
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/10/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0385
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604104248
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604104248
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LEON C FELTON CO (Continued)

1000304241

Date: 06/29/2007
 Action: Well Installation Report

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 03/02/2007
 Action: Soil and Water Investigation Workplan

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 03/14/2007
 Action: 13267 Requirement

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 03/06/2007
 Action: Site Visit / Inspection / Sampling

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 06/18/2008
 Action: 13267 Requirement

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 01/18/2007
 Action: 13267 Requirement

Global Id: T0604104248
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 02/21/1990
 Action: Other Report / Document

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 05/02/1990
 Action: Correspondence

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 04/05/1991
 Action: Other Report / Document

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 02/14/1993
 Action: Monitoring Report - Quarterly

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 03/12/1990
 Action: Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LEON C FELTON CO (Continued)

1000304241

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 05/29/1990
 Action: Soil and Water Investigation Workplan

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 03/01/1990
 Action: Correspondence

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 02/20/1990
 Action: Other Report / Document

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 11/18/1993
 Action: Other Workplan

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 02/27/1990
 Action: Other Workplan

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 08/07/1992
 Action: Monitoring Report - Quarterly

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 12/10/1993
 Action: Other Report / Document

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 04/13/1990
 Action: Soil and Water Investigation Report

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 01/19/2007
 Action: 13267 Requirement

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 03/09/2007
 Action: Other Report / Document

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 07/01/1993
 Action: Monitoring Report - Quarterly

Global Id: T0604104248
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LEON C FELTON CO (Continued)

1000304241

Date: 11/30/1992
 Action: Monitoring Report - Quarterly

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 01/16/2009
 Action: CAP/RAP - Other Report

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 07/01/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 08/19/2008
 Action: Soil and Water Investigation Workplan

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 10/17/2008
 Action: 13267 Requirement

Global Id: T0604104248
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 01/30/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 04/15/2008
 Action: Monitoring Report - Other

Global Id: T0604104248
 Action Type: ENFORCEMENT
 Date: 11/10/2009
 Action: Closure/No Further Action Letter

Global Id: T0604104248
 Action Type: RESPONSE
 Date: 09/20/2008
 Action: Monitoring Report - Semi-Annually

HIST UST:

Region: STATE
 Facility ID: 00000013311
 Facility Type: Other
 Other Type: AUTOMOBILE DEALERSHI
 Total Tanks: 0001
 Contact Name: WILLIAM SOLLOWS
 Telephone: 4154569040

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LEON C FELTON CO (Continued)

1000304241

Owner Name: LOEN C. FELTON CO
 Owner Address: 601 FRANCISCO BLVD
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Visual

HAZNET:

Year: 2011
 Gepaid: CAC002671832
 Contact: WILLIE MCDEVITT
 Telephone: 2033231131
 Mailing Name: Not reported
 Mailing Address: 1290 E MAIN ST
 Mailing City,St,Zip: STAMFORD, CT 069023555
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.76
 Facility County: Marin

39

**MILL VALLEY REFUSED
 112 FRONT ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000455739
 FINDS CAD982431926**

RCRA-SQG:

Date form received by agency: 09/04/1990
 Facility name: MILL VALLEY REFUSED
 Facility address: 112 FRONT ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982431926
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 112 FRONT ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-9762
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JULIO DAMI
 Owner/operator address: NOT REQUIRED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MILL VALLEY REFUSED (Continued)

1000455739

NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002810566

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site
 Database(s)
 EDR ID Number
 EPA ID Number

39 MILL VALLEY REFUSE **AST** **U004066304**
112 FRONT STREET **N/A**
SAN RAFAEL, CA 94901

AST:
 Owner: JIM IVARONE
 Total Gallons: 6,000
 Certified Unified Program Agencies: Marin

39 VLADOS COLLISION WORKS **RCRA NonGen / NLR** **1000191380**
54 HOAG AVE **FINDS** **CAD132719840**
SAN RAFAEL, CA 94901 **HAZNET**

RCRA NonGen / NLR:
 Date form received by agency: 08/15/2000
 Facility name: VLADOS COLLISION WORKS
 Facility address: 54 HOAG AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD132719840
 Contact: VLADO SKIBOLA
 Contact address: 36 FRONT ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-7969
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: VLADO SKIBOLA
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:
 U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VLADOS COLLISION WORKS (Continued)

1000191380

Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110001168511

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAD132719840
 Contact: VLADO & CHRISTINE SKIBOLA
 Telephone: 4158921876
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949014025
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: 0.202
 Facility County: Marin

Year: 1998
 Gepaid: CAD132719840
 Contact: VLADO & CHRISTINE SKIBOLA
 Telephone: 4158921876
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949014025
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .2200
 Facility County: Marin

Year: 1997
 Gepaid: CAD132719840
 Contact: VLADO & CHRISTINE SKIBOLA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VLADOS COLLISION WORKS (Continued)

1000191380

Telephone: 4158921876
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949014025
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .2940
 Facility County: Marin

Year: 1996
 Gepaid: CAD132719840
 Contact: VLADO & CHRISTINE SKIBOLA
 Telephone: 4158921876
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949014025
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .2020
 Facility County: Marin

Year: 1996
 Gepaid: CAD132719840
 Contact: VLADO & CHRISTINE SKIBOLA
 Telephone: 4158921876
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949014025
 Gen County: Marin
 TSD EPA ID: CAT000613950
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .0740
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 4 additional CA_HAZNET: record(s) in the EDR Site Report.

39

**SONNEN MOTORS
 137 FRONT ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000597550
 FINDS CAD983615659**

RCRA-SQG:
 Date form received by agency: 12/23/1991
 Facility name: SONNEN MOTORS
 Facility address: 137 FRONT ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD983615659
 Mailing address: 601 FRANCISCO BLVD
 SAN RAFAEL, CA 94903
 Contact: DAVID HALEY

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SONNEN MOTORS (Continued)

1000597550

Contact address: 137 FRONT ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 460-4101
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PETER SONNEN
 Owner/operator address: 601 FRANCISCO BLVD
 SAN RAFAEL, CA 94903
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 456-9040
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002866499

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**40 RHODES' WHEEL & BRAKE
 49 MEDWAY RD
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST S104162579
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0118

LUST:

Region: STATE
 Global Id: T0604100111
 Latitude: 37.9644415668402
 Longitude: -122.509271800518
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 04/03/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0118
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100111
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100111
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100111
 Action Type: ENFORCEMENT
 Date: 12/18/2007
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100111
 Action Type: ENFORCEMENT
 Date: 01/16/2007
 Action: File review

Global Id: T0604100111
 Action Type: Other
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RHODES' WHEEL & BRAKE (Continued)

S104162579

Action: Leak Reported

Global Id: T0604100111
 Action Type: ENFORCEMENT
 Date: 04/03/2009
 Action: Closure/No Further Action Letter

Global Id: T0604100111
 Action Type: ENFORCEMENT
 Date: 03/26/2009
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100111
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0118
 Facility Status: Leak being confirmed
 Case Number: 48
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 1/5/1995
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

40

**7 ELEVEN
 80 MEDWAY RD
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102423479
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0001

LUST:

Region: STATE
 Global Id: T0604100001
 Latitude: 37.964563
 Longitude: -122.507182
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/26/2006
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0001

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

7 ELEVEN (Continued)

S102423479

LOC Case Number: Not reported
 File Location: Local Agency
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100001
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100001
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100001
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

Global Id: T0604100001
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100001
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Began

Global Id: T0604100001
 Action Type: ENFORCEMENT
 Date: 12/26/2006
 Action: Closure/No Further Action Letter

Global Id: T0604100001
 Action Type: ENFORCEMENT
 Date: 07/18/2005
 Action: Meeting

Global Id: T0604100001
 Action Type: ENFORCEMENT
 Date: 02/22/2006
 Action: * Verbal Communication

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

7 ELEVEN (Continued)

S102423479

Global Id:	T0604100001
Action Type:	ENFORCEMENT
Date:	03/09/2006
Action:	* Verbal Communication
Global Id:	T0604100001
Action Type:	ENFORCEMENT
Date:	06/24/2005
Action:	* Verbal Communication
Global Id:	T0604100001
Action Type:	ENFORCEMENT
Date:	07/11/2005
Action:	* Verbal Communication
Global Id:	T0604100001
Action Type:	ENFORCEMENT
Date:	07/07/2005
Action:	* Verbal Communication
Global Id:	T0604100001
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100001
Action Type:	RESPONSE
Date:	07/17/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100001
Action Type:	ENFORCEMENT
Date:	08/21/2003
Action:	File review
Global Id:	T0604100001
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 2:

Region:	2
Facility Id:	21-0001
Facility Status:	Pollution Characterization
Case Number:	21-0001
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	6/7/1988
Pollution Characterization Began:	6/30/1992
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**40 FOMER UNOCAL #4853
 86 MEDWAY
 SAN RAFAEL, CA 94901**

**LUST S106875056
 N/A**

LUST:

Region: STATE
 Global Id: T0604128924
 Latitude: 37.9647376150001
 Longitude: -122.508410811424
 Case Type: LUST Cleanup Site
 Status: Open - Eligible for Closure
 Status Date: 11/28/2012
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0384
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Benzene, Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604128924
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604128924
 Action Type: RESPONSE
 Date: 03/23/2007
 Action: Other Report / Document

Global Id: T0604128924
 Action Type: ENFORCEMENT
 Date: 12/28/2006
 Action: Site Visit / Inspection / Sampling

Global Id: T0604128924
 Action Type: ENFORCEMENT
 Date: 02/10/2010
 Action: 13267 Requirement

Global Id: T0604128924
 Action Type: ENFORCEMENT
 Date: 05/11/2007
 Action: 13267 Requirement

Global Id: T0604128924
 Action Type: RESPONSE
 Date: 04/01/2008
 Action: Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FOMER UNOCAL #4853 (Continued)

S106875056

Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	07/13/2010
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	10/30/2010
Action:	Fact Sheets - Public Participation
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	11/28/2012
Action:	Staff Letter
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	03/26/2009
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604128924
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604128924
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Not reported
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	03/16/2007
Action:	Soil and Water Investigation Workplan
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	08/31/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	08/29/2008
Action:	Interim Remedial Action Report
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	12/16/2010
Action:	13267 Requirement
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	01/29/2007
Action:	* Verbal Communication
Global Id:	T0604128924
Action Type:	Other

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FOMER UNOCAL #4853 (Continued)

S106875056

Date:	01/01/1950
Action:	Leak Began
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	05/31/2011
Action:	Interim Remedial Action Report
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	05/13/2010
Action:	13267 Requirement
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	06/02/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	08/29/2008
Action:	Interim Remedial Action Report
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	07/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604128924
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0604128924
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	In Situ Biological Treatment
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	10/18/2010
Action:	13267 Requirement
Global Id:	T0604128924
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	07/31/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Staff Letter

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FOMER UNOCAL #4853 (Continued)

S106875056

Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	13267 Requirement
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	12/12/2012
Action:	Staff Letter
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	12/14/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	09/01/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	05/21/2010
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0604128924
Action Type:	ENFORCEMENT
Date:	04/03/2009
Action:	13267 Monitoring Program
Global Id:	T0604128924
Action Type:	RESPONSE
Date:	09/15/2010
Action:	CAP/RAP - Feasibility Study Report

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**MARIN RADIATOR
 800 ANDERSON DR
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000255461
 FINDS CAD982489171
 ENVIROSTOR**

RCRA-SQG:
 Date form received by agency: 04/27/1990
 Facility name: MARIN RADIATOR
 Facility address: 800 ANDERSON DR
 SAN RAFAEL, CA 94901
 EPA ID: CAD982489171
 Mailing address: ANDERSON DR
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 800 ANDERSON DR
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-4587
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN RADIATOR (Continued)

1000255461

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: KEN VERNON
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002829020

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN RADIATOR (Continued)

1000255461

ENVIROSTOR:

Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Facility ID: 21750004
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Inactive - Needs Evaluation
 Status Date: 06/01/1987
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.95916
 Longitude: -122.51
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: 10097, 10193, 10194, 20017
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 21750004
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: BASED ON RESULTS OF PA DONE 07-87 INDICATING POSSIBLE MURIATIC ACID & SODIUM HYDROXIDE CONTAMINATION.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 07/02/1987
 Comments: PRELIM ASSESS DONE RATIONALE FOR SI - POSS ONSITE DISP OF: ETHYLENE GLYCOL, SODIUM HYDROXIDE, MURIATIC ACID.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/24/1987
 Comments: SITE SCREENING DONE RATIONALE FOR PA: ALLEGATION OF ONSITE DISPOSAL OF WASTEWATER.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN RADIATOR (Continued)

1000255461

Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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**G AND C AUTOBODY INC
 810 ANDERSEN DR
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000340170
 HAZNET CAD981367410
 EMI**

RCRA-SQG:

Date form received by agency: 06/06/2000
 Facility name: G AND C AUTOBODY INC
 Facility address: 810 ANDERSEN DR
 SAN RAFAEL, CA 94901
 EPA ID: CAD981367410
 Mailing address: 251 BELLEVUE AVE
 SANTA ROSA, CA 95407
 Contact: SHAWN CROZAT
 Contact address: 810 ANDERSEN DR
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-7855
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: G AND C AUTOBODY INC
 Owner/operator address: 251 BELLEVUE AVE
 SANTA ROSA, CA 95407
 Owner/operator country: Not reported
 Owner/operator telephone: (707) 525-3520
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

G AND C AUTOBODY INC (Continued)

1000340170

Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/04/2003
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

HAZNET:

Year: 2010
 Gepaid: CAD981367410

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

G AND C AUTOBODY INC (Continued)

1000340170

Contact: GEORGE OSONO
 Telephone: 4154577855
 Mailing Name: Not reported
 Mailing Address: 810 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Not reported
 TSD EPA ID: UTD981552177
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
 Tons: 0.125
 Facility County: Marin

Year: 2009
 Gepaid: CAD981367410
 Contact: JESSE PARKS
 Telephone: 4154577855
 Mailing Name: Not reported
 Mailing Address: 810 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.2
 Facility County: Marin

Year: 2009
 Gepaid: CAD981367410
 Contact: JESSE PARKS
 Telephone: 4154577855
 Mailing Name: Not reported
 Mailing Address: 810 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD982444481
 TSD County: San Bernardino
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.15
 Facility County: Marin

Year: 2009
 Gepaid: CAD981367410
 Contact: JESSE PARKS
 Telephone: 4154577855
 Mailing Name: Not reported
 Mailing Address: 810 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Waste oil and mixed oil
 Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

G AND C AUTOBODY INC (Continued)

1000340170

	Treatment)
Tons:	0.361
Facility County:	Marin
Year:	2009
Gepaid:	CAD981367410
Contact:	JESSE PARKS
Telephone:	4154577855
Mailing Name:	Not reported
Mailing Address:	810 ANDERSEN DR
Mailing City,St,Zip:	SAN RAFAEL, CA 949010000
Gen County:	Marin
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.76
Facility County:	Marin

[Click this hyperlink](#) while viewing on your computer to access
 18 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	2001
County Code:	21
Air Basin:	SF
Facility ID:	12673
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

Year:	2002
County Code:	21
Air Basin:	SF
Facility ID:	12673
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

G AND C AUTOBODY INC (Continued)

1000340170

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 12673
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004
 County Code: 21
 Air Basin: SF
 Facility ID: 12673
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.813
 Reactive Organic Gases Tons/Yr: 0.7685448
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 12673
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .813
 Reactive Organic Gases Tons/Yr: .7685448
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2006
 County Code: 21
 Air Basin: SF
 Facility ID: 12673
 Air District Name: BA
 SIC Code: 7532

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

G AND C AUTOBODY INC (Continued)

1000340170

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .813
 Reactive Organic Gases Tons/Yr: .7685448
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 12673
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .813
 Reactive Organic Gases Tons/Yr: .7685448
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 12673
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .432
 Reactive Organic Gases Tons/Yr: .4113198
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

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**GOTELLI'S RENTAL SERVICES
 501 DUBOIS ST.
 SAN RAFAEL, CA 94901**

**AST A100160364
 N/A**

AST:
 Owner: GOTELLI'S EQUIPMENT RENTAL INC
 Total Gallons: 2,000
 Certified Unified Program Agencies: Marin

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site Database(s) EPA ID Number EDR ID Number

43 FERRER PLUMBING INC
58 LOVELL AVE
SAN RAFAEL, CA 94901

HIST CORTESE U001599934
LUST
HIST UST
CHMIRS N/A

CORTESE:

Region: CORTESE
Facility County Code: 21
Reg By: LTNKA
Reg Id: 21-0050

LUST:

Region: STATE
Global Id: T0604100049
Latitude: 37.964775
Longitude: -122.523049
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/09/1995
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: JMJ
Local Agency: Not reported
RB Case Number: 21-0050
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100049
Contact Type: Local Agency Caseworker
Contact Name: BRADLEY R. MARK
Organization Name: SAN RAFAEL, CITY OF
Address: 1039 C STREET
City: SAN RAFAEL
Email: brad.mark@ci.san-rafael.ca.us
Phone Number: Not reported

Global Id: T0604100049
Contact Type: Regional Board Caseworker
Contact Name: JOHN JANG
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: jjang@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0604100049
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0604100049
Action Type: Other
Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FERRER PLUMBING INC (Continued)

U001599934

Action: Leak Reported
 Global Id: T0604100049
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

HIST UST:

Region: STATE
 Facility ID: 00000011159
 Facility Type: Other
 Other Type: BUSINESS
 Total Tanks: 0002
 Contact Name: JUAN FERRER
 Telephone: 4154539423
 Owner Name: FERRER PLUMBING INC.
 Owner Address: 58 LOVELL AVE
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 12 gauge
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: 12 gauge
 Leak Detection: Stock Inventor

CHMIRS:

OES Incident Number: 11-4209
 OES notification: 2011-07-14 08:41:00
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FERRER PLUMBING INC (Continued)

U001599934

Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agency Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: No
 Waterway: Not reported
 Spill Site: Merchant/Business
 Cleanup By: Reporting Party
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Gal(s)
 Other: Not reported
 Date/Time: 400
 Year: 2011
 Agency: PG&E
 Incident Date: 7/14/2011
 Admin Agency: Marin County Waste Management Office
 Amount: Not reported
 Contained: Yes
 Site Type: Not reported
 E Date: Not reported
 Substance: Oil - Mineral, Non PCB
 Quantity Released: 10
 BBLS: Not reported
 Cups: Not reported
 CUFT: Not reported
 Gallons: Not reported
 Grams: Not reported
 Pounds: Not reported
 Liters: Not reported
 Ounces: Not reported
 Pints: Not reported
 Quarts: Not reported
 Sheen: Not reported
 Tons: Not reported
 Unknown: Not reported
 Evacuations: Not reported
 Number of Injuries: Not reported
 Number of Fatalities: Not reported
 Description: Equipment failure of pole mounted transformer caused release,

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FERRER PLUMBING INC (Continued)

U001599934

material flowed onto concrete, landscaping and a structure, RP and contractor handled containment and clean up.

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**FERRER PLUMBING
 58 LOVELL AVE
 SAN RAFAEL, CA 94901**

**LUST S105033315
 N/A**

LUST REG 2:

Region: 2
 Facility Id: 21-0050
 Facility Status: Case Closed
 Case Number: 61
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 6/27/1991
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**A R AUTO TRUCK SVC INC
 401 IRWIN ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000103388
 FINDS CAD982515934
 HAZNET**

RCRA-SQG:

Date form received by agency: 02/15/1989
 Facility name: A R AUTO TRUCK SVC INC
 Facility address: 401 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD982515934
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 401 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: 415459161
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GERRIE ST JORITE
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

A R AUTO TRUCK SVC INC (Continued)

1000103388

Owner/Op start date: Not reported
 Owner/Op end date: Not reported

 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002838788

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1997
 Gepaid: CAD982515934
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: PO BOX 5295
 Mailing City,St,Zip: NOVATO, CA 949485295
 Gen County: Marin
 TSD EPA ID: CAD042345884
 TSD County: Santa Clara
 Waste Category: Unspecified solvent mixture

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

A R AUTO TRUCK SVC INC (Continued)

1000103388

Disposal Method: Not reported
 Tons: .0000
 Facility County: Marin

Year: 1997
 Gepaid: CAD982515934
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: PO BOX 5295
 Mailing City,St,Zip: NOVATO, CA 949485295
 Gen County: Marin
 TSD EPA ID: CAD042345884
 TSD County: Santa Clara
 Waste Category: Other organic solids
 Disposal Method: Not reported
 Tons: .0000
 Facility County: Marin

Year: 1997
 Gepaid: CAD982515934
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: PO BOX 5295
 Mailing City,St,Zip: NOVATO, CA 949485295
 Gen County: Marin
 TSD EPA ID: CAD042345884
 TSD County: Santa Clara
 Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Transfer Station
 Tons: .2293
 Facility County: Marin

**44 MARIN VW REPAIR
 400 IRWIN
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000594683
 FINDS CAD983585431**

RCRA-SQG:

Date form received by agency: 06/18/1991
 Facility name: MARIN VW REPAIR
 Facility address: 400 IRWIN
 SAN RAFAEL, CA 94901
 EPA ID: CAD983585431
 Mailing address: IRWIN
 SAN RAFAEL, CA 94901
 Contact: DEBRA NILSEN
 Contact address: 400 IRWIN
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-3261
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN VW REPAIR (Continued)

1000594683

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DEBRA NILSEN
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002846485

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

MARIN VW REPAIR (Continued)

1000594683

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

44	<p>LORENZOS AUTO CRAFT 410 IRWIN ST SAN RAFAEL, CA 94901</p>	<p>RCRA-SQG FINDS</p>	<p>1000137694 CAD981367477</p>
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RCRA-SQG:

Date form received by agency: 10/20/1992
Facility name: LORENZOS AUTO CRAFT
Facility address: 410 IRWIN ST
SAN RAFAEL, CA 94901
EPA ID: CAD981367477
Contact: MARC SEBASTIN
Contact address: 410 IRWIN ST
SAN RAFAEL, CA 94901
Contact country: US
Contact telephone: (415) 453-4602
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MARC SEBASTIAN
Owner/operator address: 410 IRWIN ST
SAN RAFAEL, CA 94901
Owner/operator country: Not reported
Owner/operator telephone: (415) 453-4602
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LORENZOS AUTO CRAFT (Continued)

1000137694

Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009534496

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

44

**FORMER OAKS RENTS
 424 IRWIN ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102428671
 LUST N/A
 HAZNET**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0276

LUST:

Region: STATE
 Global Id: T0604100258
 Latitude: 37.964049
 Longitude: -122.521168
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/27/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0276
 LOC Case Number: Not reported
 File Location: Regional Board Warehouse
 Potential Media Affect: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: Gasoline
 Site History: UST closed in 1963 replaced with ASTs. ASTs closed mid 1970's, UST removed in 1995 with over excavation.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100258

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER OAKS RENTS (Continued)

S102428671

Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100258
 Action Type: ENFORCEMENT
 Date: 03/26/2009
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100258
 Action Type: ENFORCEMENT
 Date: 07/07/2009
 Action: File review

Global Id: T0604100258
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 10/27/1993
 Action: Other Workplan

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 06/29/1993
 Action: Other Report / Document

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 07/23/1993
 Action: Soil and Water Investigation Report

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 09/03/1993
 Action: Other Report / Document

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 06/02/1993
 Action: Site Assessment Report

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 04/05/1993
 Action: Other Report / Document

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 06/16/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER OAKS RENTS (Continued)

S102428671

Action: Other Report / Document

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 01/25/2004
 Action: Tank Removal Workplan

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 10/12/1993
 Action: Monitoring Report - Quarterly

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 02/20/1995
 Action: Interim Remedial Action Report

Global Id: T0604100258
 Action Type: ENFORCEMENT
 Date: 07/10/2008
 Action: 13267 Monitoring Program

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 09/30/2008
 Action: Monitoring Report - Other

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 02/08/1995
 Action: Correspondence

Global Id: T0604100258
 Action Type: RESPONSE
 Date: 01/25/1995
 Action: Other Report / Document

Global Id: T0604100258
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100258
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100258
 Action Type: ENFORCEMENT
 Date: 10/27/2009
 Action: Closure/No Further Action Letter

LUST REG 2:

Region: 2
 Facility Id: 21-0276
 Facility Status: Leak being confirmed

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER OAKS RENTS (Continued)

S102428671

Case Number: 21-0276
 How Discovered: OM
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 1/19/1995
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 1995
 Gepaid: CAL000044214
 Contact: MARSHALL STEVE STAR
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 424 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015113
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: .2500
 Facility County: Marin

44

**REDHILL AUTO BODY
 428 IRWIN ST
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000241607
 FINDS CAD981416423
 HAZNET
 EMI**

RCRA NonGen / NLR:

Date form received by agency: 02/02/1995
 Facility name: REDHILL AUTO BODY
 Facility address: 428 IRWIN ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD981416423
 Contact: RICK D MENDELL
 Contact address: 428 IRWIN ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-4413
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOE PAZ
 Owner/operator address: 428 IRWIN ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number
EPA ID Number

Database(s)

REDHILL AUTO BODY (Continued)

1000241607

Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private

Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002698689

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HAZNET:

Year: 1995
 Gepaid: CAD981416423
 Contact: JOE PAZ
 Telephone: 4154568943

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDHILL AUTO BODY (Continued)

1000241607

Mailing Name: Not reported
 Mailing Address: 428 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015113
 Gen County: Marin
 TSD EPA ID: CAT000613950
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .0540
 Facility County: Marin

Year: 1994
 Gepaid: CAD981416423
 Contact: JOE PAZ
 Telephone: 4154568943
 Mailing Name: Not reported
 Mailing Address: 428 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015113
 Gen County: Marin
 TSD EPA ID: CAT000613893
 TSD County: Los Angeles
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .2835
 Facility County: Marin

Year: 1994
 Gepaid: CAD981416423
 Contact: JOE PAZ
 Telephone: 4154568943
 Mailing Name: Not reported
 Mailing Address: 428 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015113
 Gen County: Marin
 TSD EPA ID: CAT000613950
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .0720
 Facility County: Marin

Year: 1994
 Gepaid: CAD981416423
 Contact: JOE PAZ
 Telephone: 4154568943
 Mailing Name: Not reported
 Mailing Address: 428 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015113
 Gen County: Marin
 TSD EPA ID: CAT000613893
 TSD County: Los Angeles
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Not reported
 Tons: .0135
 Facility County: Marin

Year: 1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

REDHILL AUTO BODY (Continued)

1000241607

Gepaid: CAD981416423
 Contact: JOE PAZ
 Telephone: 4154568943
 Mailing Name: Not reported
 Mailing Address: 428 IRWIN ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015113
 Gen County: Marin
 TSD EPA ID: CAT000613893
 TSD County: Los Angeles
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Not reported
 Tons: .0615
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 10155
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 10155
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 10155
 Air District Name: BA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

REDHILL AUTO BODY (Continued)

1000241607

SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

44

**DAVIS AUTO AND TRUCK REPAIR
 34 DELUCA PL UNIT C
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000820108
 FINDS CAD983661323
 HAZNET**

RCRA-SQG:

Date form received by agency: 03/08/1993
 Facility name: DAVIS AUTO AND TRUCK REPAIR
 Facility address: 34 DELUCA PL UNIT C
 SAN RAFAEL, CA 94901
 EPA ID: CAD983661323
 Mailing address: DELUCA PL UNIT C
 SAN RAFAEL, CA 94901
 Contact: MICHAEL DAVIS
 Contact address: 34 DELUCA PL UNIT C
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-0835
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MICHAEL E DAVIS
 Owner/operator address: 133 ACADEMY LN
 SONOMA, CA 95476
 Owner/operator country: Not reported
 Owner/operator telephone: (707) 996-2534
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DAVIS AUTO AND TRUCK REPAIR (Continued)

1000820108

Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009550832

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAL000140021
 Contact: JON R DAVIS
 Telephone: 4154570835
 Mailing Name: Not reported
 Mailing Address: 34-C DE LUCA PL
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Tons: 0.3753
 Facility County: Marin

Year: 1998
 Gepaid: CAL000140021
 Contact: JON R DAVIS
 Telephone: 4154570835
 Mailing Name: Not reported
 Mailing Address: 34-C DE LUCA PL
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: .3336
 Facility County: Marin

Year: 1998
 Gepaid: CAD983661323

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DAVIS AUTO AND TRUCK REPAIR (Continued)

1000820108

Contact: JON R DAVIS
 Telephone: 4154561004
 Mailing Name: Not reported
 Mailing Address: 34 DELUCA PL STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: .3127
 Facility County: Marin

Year: 1997
 Gepaid: CAD983661323
 Contact: JON R DAVIS
 Telephone: 4154561004
 Mailing Name: Not reported
 Mailing Address: 34 DELUCA PL STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: .3961
 Facility County: Marin

Year: 1997
 Gepaid: CAD983661323
 Contact: JON R DAVIS
 Telephone: 4154561004
 Mailing Name: Not reported
 Mailing Address: 34 DELUCA PL STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Transfer Station
 Tons: .0208
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 5 additional CA_HAZNET: record(s) in the EDR Site Report.

44

**WEBER PLASTERING INC
 47 DE LUCA
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST**

**S102441121
 N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0217

LUST:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WEBER PLASTERING INC (Continued)

S102441121

Region: STATE
 Global Id: T0604100207
 Latitude: 37.96484
 Longitude: -122.521054
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/20/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0217
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100207
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100207
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100207
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100207
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100207
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WEBER PLASTERING INC (Continued)

S102441121

Facility Id: 21-0217
 Facility Status: Case Closed
 Case Number: 85
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 12/1/1993
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: 11/30/1993
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**WEBER PLASTERING
 52 DE LUCA PLACE
 SAN RAFAEL, CA 94901**

**SWEEPS UST S106934295
 N/A**

SWEEPS UST:

Status: Not reported
 Comp Number: 7145
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-007145-000001
 Actv Date: Not reported
 Capacity: 550
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: 1

45

**FERRARI AND MASERATI OF SAN FRANCISCO
 454 DU BOIS ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1006805606
 FINDS CAR000129874
 HAZNET**

RCRA-SQG:

Date form received by agency: 11/18/2002
 Facility name: FERRARI AND MASERATI OF SAN FRANCISCO
 Facility address: 454 DU BOIS ST
 SAN RAFAEL, CA 94901
 EPA ID: CAR000129874
 Mailing address: 595 REDWOOD HWY
 MILL VALLEY, CA 94941
 Contact: MATTHEW GUILFOYLE
 Contact address: 454 DU BOIS ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: 415-526-2163
 Contact email: Not reported
 EPA Region: 09

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FERRARI AND MASERATI OF SAN FRANCISCO (Continued)

1006805606

Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MATTHEW GUILFOYLE
 Owner/operator address: 454 DU BOIS ST
 SAN RAFAEL, CA 94901
 Owner/operator country: US
 Owner/operator telephone: 415-526-2163
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 07/01/2002
 Owner/Op end date: Not reported

Owner/operator name: FERRARI OF NORTH AMERICA
 Owner/operator address: 250 SYLVA AVE
 ENGLEWOOD CLIFFS, NJ 07632
 Owner/operator country: US
 Owner/operator telephone: 201-816-2600
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 07/01/2002
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FERRARI AND MASERATI OF SAN FRANCISCO (Continued)

1006805606

Waste code: D018
 Waste name: BENZENE

Waste code: D039
 Waste name: TETRACHLOROETHYLENE

Waste code: D040
 Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/02/2003
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110014377664

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2011
 Gepaid: CAL000345111
 Contact: MICHELLE SANDLIN/BUSINESS MGR.
 Telephone: 4153844303
 Mailing Name: Not reported
 Mailing Address: 595 REDWOOD HWY FRONTAGE RD
 Mailing City,St,Zip: MILL VALLEY, CA 949413007
 Gen County: Not reported
 TSD EPA ID: CAD097030993
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.4625
 Facility County: Marin

Year: 2011
 Gepaid: CAL000345111
 Contact: MICHELLE SANDLIN/BUSINESS MGR.
 Telephone: 4153844303

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FERRARI AND MASERATI OF SAN FRANCISCO (Continued)

1006805606

Mailing Name: Not reported
 Mailing Address: 595 REDWOOD HWY FRONTAGE RD
 Mailing City,St,Zip: MILL VALLEY, CA 949413007
 Gen County: Not reported
 TSD EPA ID: CAT080013352
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
 Organics Recovery Ect
 Tons: 4.536
 Facility County: Marin

Year: 2011
 Gepaid: CAL000345111
 Contact: MICHELLE SANDLIN/BUSINESS MGR.
 Telephone: 4153844303
 Mailing Name: Not reported
 Mailing Address: 595 REDWOOD HWY FRONTAGE RD
 Mailing City,St,Zip: MILL VALLEY, CA 949413007
 Gen County: Not reported
 TSD EPA ID: CAT080013352
 TSD County: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
 Organics Recovery Ect
 Tons: 0.102
 Facility County: Marin

Year: 2011
 Gepaid: CAL000345111
 Contact: MICHELLE SANDLIN/BUSINESS MGR.
 Telephone: 4153844303
 Mailing Name: Not reported
 Mailing Address: 595 REDWOOD HWY FRONTAGE RD
 Mailing City,St,Zip: MILL VALLEY, CA 949413007
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.075
 Facility County: Marin

Year: 2010
 Gepaid: CAR000129874
 Contact: GINO POTTER/SERVICE MANAGER
 Telephone: 4155262163
 Mailing Name: Not reported
 Mailing Address: 595 REDWOOD HWY
 Mailing City,St,Zip: MILL VALLEY, CA 949410000
 Gen County: Not reported
 TSD EPA ID: CAT080013352
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
 Organics Recovery Ect

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VLADOS COLLISION WORKS (Continued)

1001486861

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
 Waste name: BENZENE

Waste code: F003
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002927968

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VLADOS COLLISION WORKS (Continued)

1001486861

corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HAZNET:

Year: 2003
 Gepaid: CAR000052217
 Contact: VLADO SKIBOLA
 Telephone: 0
 Mailing Name: Not reported
 Mailing Address: 117 GARNER DR
 Mailing City,St,Zip: NOVATO, CA 949470000
 Gen County: Marin
 TSD EPA ID: CAD008252405
 TSD County: Marin
 Waste Category: Aqueous solution with total organic residues 10 percent or more
 Disposal Method: Recycler
 Tons: 0.1
 Facility County: Marin

Year: 2002
 Gepaid: CAR000052217
 Contact: VLADO SKIBOLA
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: 0.23
 Facility County: Not reported

Year: 2001
 Gepaid: CAR000052217
 Contact: VLADO SKIBOLA
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: 0.27
 Facility County: Not reported

Year: 2001
 Gepaid: CAR000052217
 Contact: VLADO SKIBOLA
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VLADOS COLLISION WORKS (Continued)

1001486861

Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Not reported
 Tons: 0
 Facility County: Not reported

Year: 2000
 Gepaid: CAR000052217
 Contact: VLADO SKIBOLA
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 36 FRONT ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .3300
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 12210
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 12210
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VLADOS COLLISION WORKS (Continued)

1001486861

NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 12210
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002
 County Code: 21
 Air Basin: SF
 Facility ID: 12210
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 15795
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VLADOS COLLISION WORKS (Continued)

1001486861

County Code: 21
 Air Basin: SF
 Facility ID: 15795
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.418
 Reactive Organic Gases Tons/Yr: 0.3373605
 Carbon Monoxide Emissions Tons/Yr: 0.006
 NOX - Oxides of Nitrogen Tons/Yr: 0.025
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0.001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.000574

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 15795
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .357
 Reactive Organic Gases Tons/Yr: .3029663
 Carbon Monoxide Emissions Tons/Yr: .006
 NOX - Oxides of Nitrogen Tons/Yr: .023
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .000574

Year: 2006
 County Code: 21
 Air Basin: SF
 Facility ID: 15795
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .372
 Reactive Organic Gases Tons/Yr: .3077455
 Carbon Monoxide Emissions Tons/Yr: .008
 NOX - Oxides of Nitrogen Tons/Yr: .032
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .000574

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 15795
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VLADOS COLLISION WORKS (Continued)

1001486861

Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .375
 Reactive Organic Gases Tons/Yr: .3015993
 Carbon Monoxide Emissions Tons/Yr: .006
 NOX - Oxides of Nitrogen Tons/Yr: .025
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .000574

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 15795
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD

Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .446
 Reactive Organic Gases Tons/Yr: .3617705
 Carbon Monoxide Emissions Tons/Yr: .007
 NOX - Oxides of Nitrogen Tons/Yr: .029
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .000574

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**SUPERB AUTO BODY
 2 HOAG AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000214390
 FINDS CAD103449732**

RCRA-SQG:

Date form received by agency: 04/01/1986
 Facility name: SUPERB AUTO BODY
 Facility address: 2 HOAG AVE
 SAN RAFAEL, CA 94901

EPA ID: CAD103449732
 Mailing address: HOAG AVE
 SAN RAFAEL, CA 94901

Contact: ENVIRONMENTAL MANAGER
 Contact address: 2 HOAG AVE
 SAN RAFAEL, CA 94901

Contact country: US
 Contact telephone: (415) 454-1474
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: K BRIDGES
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SUPERB AUTO BODY (Continued)

1000214390

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002666758

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID Direction EDR ID Number
 Distance Database(s) EPA ID Number
 Distance (ft.)Site

48 GRIESE RADIATOR REPAIR ENVIROSTOR S101481155
 10 BAXTERS COURT N/A
 SAN RAFAEL, CA 94901

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21750005
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: Other Agency
 Status Date: 06/23/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96388
 Longitude: -122.515
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: 10067, 10097, 10193, 20001
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: LEO B GRIESE
 Alias Type: Alternate Name
 Alias Name: 21750005
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 02/24/1987
 Comments: FACILITY IDENTIFIED MARIN COUNTY DIRECTORY 1957-1958 SITE SCREENING DONE RATIONALE FOR PA: INDUSTRIAL TYPE AND YEARS OF OPERATION ON LOCATION.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: *Site Inspection (SI) Report
 Completed Date: 11/30/1987
 Comments: SITE INSP DONE SITE CONTAMINATED WITH HEAVY METALS; FOLLOWUP DEFERRED TO NCCS ENFORCEMENT.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 06/01/1987
 Comments: PRELIM ASSESS DONE Q MAILED 5/11/87, RESPONSE TAKEN BY PHONE ON 6/8/87. SOURCE ACTIVITY: RADIATOR REPAIR, ENGINE BACK FLUSHING, RADIATOR RECORING AND CLEANING. WASTE TYPE: LIQUID CONTAINING POSSIBLE HEAVY METALS, ETHYLENE GLYCOL &CAUSTICS. ASSESSMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GRIESE RADIATOR REPAIR (Continued)

S101481155

INDICATED PROBABLE ONSITE DISCH OF WASTE TO GROUND. RECOMMENDATION:
 COLLECT & ANALYZE SOIL SAMPLES FOR EVIDENCE OF CONTAMINATION.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/24/1987
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

48

**WESTERN CHROME PLATING AN
 11 BAXTERS
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 ENVIROSTOR**

**S100948349
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: CALSI
 Reg Id: 21340001

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21340001
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: Other Agency
 Status Date: 03/15/1996
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96388
 Longitude: -122.515
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: 10003, 10097, 10119, 10193, 10194, 10195, 10197, 30108, 30153, 30160,
 30407
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WESTERN CHROME PLATING AN (Continued)

S100948349

Alias Name: SAN RAFAEL PLATING WORKS
 Alias Type: Alternate Name
 Alias Name: WESTERN PLATING WORKS
 Alias Type: Alternate Name
 Alias Name: 21340001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 02/10/1987
 Comments: Facility Identified: 1965 San Rafael City Directory.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: *Site Inspection (SI) Report
 Completed Date: 11/30/1987
 Comments: SITE INSP DONE SITE CONTAMINATED WITH HEAVY METALS; FOLLOWUP DEFERRED TO NCCS ENFORCEMENT.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 06/01/1987
 Comments: Preliminary Assessment Done: Questionnaire mailed 05/07/87, received 06/01/87. Source of Activity: Plating and Polish- ing. Waste Type: Liquid & Sludge containing heavy metals, cyanide, TCE, MEK, and/or Acetone. Enforcement History: Notification of Discharge - Non-compliance from Central Marin San Agency (12/17/85). Recommendation: Soil sampling for heavy metals and solvents

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/24/1987
 Comments: Site Screening Done: Recommend Preliminary Assessment based on industrial nature of operation & years of site activity; Waste management practices at the site need to be assessed.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

48	WESTERN PLATING & POLISHING CO 11 BAXTERS CT SAN RAFAEL, CA 94901	RCRA-SQG FINDS HAZNET	1000403213 CAD982472375
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RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: WESTERN PLATING & POLISHING CO
Facility address: 11 BAXTERS CT
SAN RAFAEL, CA 94901
EPA ID: CAD982472375
Mailing address: 714 A FRANCISCO BL WEST
SAN RAFAEL, CA 94901
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RAYMOND GALLEGUILLO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WESTERN PLATING & POLISHING CO (Continued)

1000403213

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 05/23/1988
 Facility name: WESTERN PLATING & POLISHING CO
 Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002820779

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAD982472375
 Contact: HELEN ARROUSEZ
 Telephone: 4154530918
 Mailing Name: Not reported
 Mailing Address: 714 A FRANCISCO BL WEST
 Mailing City, St, Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Recycler
 Tons: 0.45
 Facility County: Marin

Year: 1997
 Gepaid: CAD982472375
 Contact: HELEN ARROUSEZ
 Telephone: 4154530918
 Mailing Name: Not reported
 Mailing Address: 714 A FRANCISCO BL WEST
 Mailing City, St, Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Recycler
 Tons: .6000
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WESTERN PLATING & POLISHING CO (Continued)

1000403213

Year: 1995
 Gepaid: CAD982472375
 Contact: HELEN ARROUSEZ
 Telephone: 4154530918
 Mailing Name: Not reported
 Mailing Address: 714 A FRANCISCO BL WEST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Treatment, Tank
 Tons: .4587
 Facility County: Marin

Year: 1994
 Gepaid: CAD982472375
 Contact: HELEN ARROUSEZ
 Telephone: 4154530918
 Mailing Name: Not reported
 Mailing Address: 714 A FRANCISCO BL WEST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD000088252
 TSD County: Los Angeles
 Waste Category: Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
 Disposal Method: Transfer Station
 Tons: .3000
 Facility County: Marin

Year: 1994
 Gepaid: CAD982472375
 Contact: HELEN ARROUSEZ
 Telephone: 4154530918
 Mailing Name: Not reported
 Mailing Address: 714 A FRANCISCO BL WEST
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD000088252
 TSD County: Los Angeles
 Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
 Disposal Method: Transfer Station
 Tons: .2250
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 6 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**48 SPECIFICATION CHROMIUM CO
 14 BAXTERS
 SAN RAFAEL, CA 94901**

**HIST CORTESE S101298645
 ENVIROSTOR N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: CALSI
 Reg Id: 21340002

ENVIROSTOR:

Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Facility ID: 21340002
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Inactive - Needs Evaluation
 Status Date: 06/15/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96388
 Longitude: -122.515
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: 10003, 10093, 10097, 10119, 10193, 10194, 10195, 10197, 30108, 30153, 30160, 30407
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: SPEC CHROME
 Alias Type: Alternate Name
 Alias Name: 21340002
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 02/01/1987
 Comments: FACILITY IDENTIFIED SAN RAFAEL CITY DIRECTORY - 1965

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: *Site Inspection (SI) Report
 Completed Date: 11/30/1987
 Comments: SITE INSP DONE SITE CONTAMINATED WITH HEAVY METALS; FOLLOWUP DEFERRED TO NCCS ENFORCEMENT.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SPECIFICATION CHROMIUM CO (Continued)

S101298645

Completed Document Type: Preliminary Assessment Report
 Completed Date: 06/01/1987
 Comments: PRELIM ASSESS DONE Q MAILED 5/11/87, RECEIVED 6/87. SOURCE ACTIVITY: PLATING & ANODIZING. WASTE TYPE: LIQUID & SLUDGE CONTAINING HEAVY METALS, CYANDIE AND TCE. ENF HISTORY: NOTIFICATION OF DISCHARGE NONCOMPLIANCE FROM CENTRAL MARIN SAN AGENCY, DATED 12/17/85. RECOMMENDATION: SOIL SAMPLING TO ASSESS THE PRESENCE OF HEAVY METALS AND TCE.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/24/1987
 Comments: SITE SCREENING DONE RATIONALE FOR PA: BASED ON THE TYPE AND EXTENT OF INDUSTRIAL ACTIVITY AT THE SITE, AN ASSESSMENT OF CURRENT AND PAST WASTE MANAGEMENT PRACTICES IS NECESSARY.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

48

**GOLDEN STATE LUMBER
 600 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000472968
 FINDS CAD982436719
 HIST CORTESE
 LUST**

RCRA-SQG:
 Date form received by agency: 12/14/1990
 Facility name: GOLDEN STATE LUMBER
 Facility address: 600 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD982436719
 Contact: DONALD HOLTON
 Contact address: 600 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-6940
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: LEE NOBMANN
 Owner/operator address: 600 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN STATE LUMBER (Continued)

1000472968

Owner/operator telephone: (415) 457-6940
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002811850

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0180

LUST:

Region: STATE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN STATE LUMBER (Continued)

1000472968

Global Id: T0604100171
 Latitude: 37.965189
 Longitude: -122.514539
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/21/1997
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0180
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100171
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100171
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100171
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100171
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100171
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0180

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN STATE LUMBER (Continued)

1000472968

Facility Status: Case Closed
 Case Number: 210180
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 12/21/1994
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

49

**NORTH BAY PRODUCE
 95 LOUISE ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S101298661
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0096

LUST:

Region: STATE
 Global Id: T0604100093
 Latitude: 37.963486
 Longitude: -122.507414
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/10/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0096
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100093
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100093
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

NORTH BAY PRODUCE (Continued)

S101298661

Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100093
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100093
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100093
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0096
 Facility Status: Case Closed
 Case Number: 21-0096
 How Discovered: Tank Closure
 Leak Cause: Corrosion
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 5/6/1993
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

49

**PACIFIC BELL
 96 LOUISE ST
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000251098
 FINDS CAT080019292
 HIST CORTESE
 LUST
 CA FID UST
 HIST UST
 SWEEPS UST
 CHMIRS
 HAZNET**

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: PACIFIC BELL
 Facility address: 96 LOUISE ST
 SAN RAFAEL, CA 94901
 EPA ID: CAT080019292
 Mailing address: 220 MONTGOMERY STREET RM 1051
 SAN FRANCISCO, CA 94104

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000251098

Contact: Not reported
 Contact address: Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LEONARDI PROPERTIES
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 01/16/1981
 Facility name: PACIFIC BELL
 Classification: Large Quantity Generator

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s)
 EPA ID Number

PACIFIC BELL (Continued)

1000251098

Violation Status: No violations found

FINDS:

Registry ID: 110002948561

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0343

LUST:

Region: STATE
 Global Id: T0604100325
 Latitude: 37.963755
 Longitude: -122.506707
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/16/2007
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0343
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100325
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100325

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000251098

Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 12/14/2005
 Action: * Verbal Communication

Global Id: T0604100325
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100325
 Action Type: RESPONSE
 Date: 12/14/2005
 Action: Correspondence

Global Id: T0604100325
 Action Type: RESPONSE
 Date: 05/01/2004
 Action: Sensitive Receptor Survey Report

Global Id: T0604100325
 Action Type: RESPONSE
 Date: 05/01/2005
 Action: Other Report / Document

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 02/28/2006
 Action: * Verbal Communication

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 02/23/2006
 Action: * Verbal Communication

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 04/10/2006
 Action: * Verbal Communication

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 02/15/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000251098

Action: File review

Global Id: T0604100325
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100325
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100325
 Action Type: ENFORCEMENT
 Date: 03/16/2007
 Action: Closure/No Further Action Letter

LUST REG 2:

Region: 2
 Facility Id: 21-0343
 Facility Status: Case Closed
 Case Number: 21-0343
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 21001576
 Regulated By: UTNKA
 Regulated ID: 00016295
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4155426758
 Mail To: Not reported
 Mailing Address: 370 003RD ST
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

HIST UST:

Region: STATE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000251098

Facility ID: 00000016295
 Facility Type: Other
 Other Type: PHONE CO.
 Total Tanks: 0001
 Contact Name: E. J. KOEHLER
 Telephone: 4155426758
 Owner Name: PACIFIC BELL
 Owner Address: 370 THIRD STREET
 Owner City,St,Zip: SAN FRANCISCO, CA 94107

Tank Num: 001
 Container Num: G-80-10K
 Year Installed: 1980
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

SWEEPS UST:

Status: Active
 Comp Number: 16295
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: G-80-10K
 Swrcb Tank Id: 21-028-016295-000001
 Actv Date: 09-27-91
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 1

CHMIRS:

OES Incident Number: 01-6909
 OES notification: 11/29/200101:33:23 PM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PACIFIC BELL (Continued)

1000251098

Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Unknown
Waterway:	Storm Drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	San Rafael Fire Dept
Incident Date:	11/29/200112:00:00 AM
Admin Agency:	San Rafael Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline;;;
Quantity Released:	Not reported
BBLs:	0
Cups:	0
CUFT:	0
Gallons:	40
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0.000000
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Due to a broken fill neck, substance was released during refueling operations. Note: release was at the service yard.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000251098

HAZNET:

Year: 2005
 Gepaid: CAT080019292
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: Not reported
 Mailing Address: PO BOX 5095 3E000N
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.23
 Facility County: Not reported

Year: 2004
 Gepaid: CAT080019292
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: Not reported
 Mailing Address: PO BOX 5095 3E000N
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.23
 Facility County: Not reported

Year: 2003
 Gepaid: CAT080019292
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: RM 1N200
 Mailing Address: PO BOX 5095 3E000N
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: Marin
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 5
 Facility County: Marin

Year: 2003
 Gepaid: CAT080019292
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: RM 1N200
 Mailing Address: PO BOX 5095 3E000N
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PACIFIC BELL (Continued)

1000251098

Disposal Method: Transfer Station
 Tons: 0.09
 Facility County: Marin

Year: 2003
 Gepaid: CAT080019292
 Contact: SHARON BAYLE/STAFF ASSOC
 Telephone: 9258675741
 Mailing Name: RM 1N200
 Mailing Address: PO BOX 5095 3E000N
 Mailing City,St,Zip: SAN RAMON, CA 945830995
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.21
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 44 additional CA_HAZNET: record(s) in the EDR Site Report.

50

WATKIN & BORTOLUSSI INC
77 LARKSPUR ST
SAN RAFAEL, CA 94901

HIST CORTESE
LUST

S104162581
N/A

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0161

LUST:

Region: STATE
 Global Id: T0604100152
 Latitude: 37.963839
 Longitude: -122.5026
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/14/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0161
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100152
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WATKIN & BORTOLUSSI INC (Continued)

S104162581

City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100152
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100152
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100152
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100152
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0161
 Facility Status: Case Closed
 Case Number: 21-0161
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 8/29/1991
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

51	TEXACO EXPRESS LUBE 831 E FRANCISCO BLVD SAN RAFAEL, CA 94901	RCRA-SQG FINDS HAZNET	1000455741 CAD982430001
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RCRA-SQG:

Date form received by agency: 08/08/1990
 Facility name: TEXACO EXPRESS LUBE
 Facility address: 831 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD982430001
 Mailing address: E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 831 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 457-4272
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: PETER JIZRAWI
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TEXACO EXPRESS LUBE (Continued)

1000455741

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002810049

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2009
 Gepaid: CAD982430001
 Contact: SOUHAIL JIZVAWI
 Telephone: 4154574272
 Mailing Name: Not reported
 Mailing Address: 831 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014725
 Gen County: Marin
 TSD EPA ID: NVD982358483
 TSD County: 99
 Waste Category: Waste oil and mixed oil
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 1.862
 Facility County: Marin

Year: 2009
 Gepaid: CAD982430001
 Contact: SOUHAIL JIZVAWI
 Telephone: 4154574272
 Mailing Name: Not reported
 Mailing Address: 831 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014725
 Gen County: Marin
 TSD EPA ID: NVD982358483
 TSD County: 99
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
 Tons: 0.77145
 Facility County: Marin

Year: 2007
 Gepaid: CAD982430001
 Contact: SOUHAIL JIZVAWI
 Telephone: 4154574272

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TEXACO EXPRESS LUBE (Continued)

1000455741

Mailing Name: Not reported
 Mailing Address: 831 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014725
 Gen County: Marin
 TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Other still bottom waste
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.08
 Facility County: Marin

Year: 2003
 Gepaid: CAD982430001
 Contact: SOUHAIL JIZVAWI
 Telephone: 4154574272
 Mailing Name: Not reported
 Mailing Address: 831 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014725
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.07
 Facility County: Marin

Year: 2002
 Gepaid: CAD982430001
 Contact: SOUHAIL JIZVAWI
 Telephone: 4154574272
 Mailing Name: Not reported
 Mailing Address: 831 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014725
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Bernardino
 Waste Category: Oil/water separation sludge
 Disposal Method: Transfer Station
 Tons: 0.14
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 5 additional CA_HAZNET: record(s) in the EDR Site Report.

51

PETER'S ALLIANCE
831 FRANCISCO BLVD E
SAN RAFAEL, CA 94901

HIST CORTESE S101307493
LUST N/A

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0053

LUST:
 Region: STATE
 Global Id: T0604100051

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PETER'S ALLIANCE (Continued)

S101307493

Latitude: 37.962598
 Longitude: -122.508345
 Case Type: LUST Cleanup Site
 Status: Open - Site Assessment
 Status Date: 10/22/2007
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0053
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100051
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100051
 Action Type: ENFORCEMENT
 Date: 03/15/2010
 Action: Notice of Violation

Global Id: T0604100051
 Action Type: ENFORCEMENT
 Date: 01/18/2008
 Action: 13267 Requirement

Global Id: T0604100051
 Action Type: ENFORCEMENT
 Date: 06/09/2008
 Action: 13267 Requirement

Global Id: T0604100051
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100051
 Action Type: ENFORCEMENT
 Date: 10/22/2007
 Action: Staff Letter

Global Id: T0604100051
 Action Type: RESPONSE
 Date: 11/21/2008
 Action: Soil and Water Investigation Report

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S ALLIANCE (Continued)

S101307493

Global Id:	T0604100051
Action Type:	RESPONSE
Date:	08/29/2008
Action:	Other Workplan
Global Id:	T0604100051
Action Type:	ENFORCEMENT
Date:	10/17/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100051
Action Type:	ENFORCEMENT
Date:	08/11/2009
Action:	File review
Global Id:	T0604100051
Action Type:	ENFORCEMENT
Date:	09/05/2008
Action:	13267 Requirement
Global Id:	T0604100051
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100051
Action Type:	ENFORCEMENT
Date:	09/08/2008
Action:	13267 Requirement
Global Id:	T0604100051
Action Type:	RESPONSE
Date:	10/31/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0604100051
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100051
Action Type:	RESPONSE
Date:	05/19/2008
Action:	Soil and Water Investigation Report
Global Id:	T0604100051
Action Type:	RESPONSE
Date:	12/31/2007
Action:	Other Workplan
Global Id:	T0604100051
Action Type:	RESPONSE
Date:	08/29/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100051
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PETER'S ALLIANCE (Continued)

S101307493

Date: 11/21/2008
 Action: Well Installation Report

 Global Id: T0604100051
 Action Type: ENFORCEMENT
 Date: 07/29/2009
 Action: 13267 Monitoring Program

LUST REG 2:

Region: 2
 Facility Id: 21-0053
 Facility Status: Preliminary site assessment workplan submitted
 Case Number: 210053
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: 10/10/1992
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

51

**FRANCISCO GAS
 831 FRANCISCO BOULEVARD EAST
 SAN RAFAEL, CA**

**UST U004051107
 N/A**

MARIN CO. UST:

Facility Id: 30-0133

 Tank Number: 000001
 Tank Status: Change of Information
 Tank Contents: Midgrade unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: 05357
 Last Inspected: 12/19/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000002
 Tank Status: Change of Information
 Tank Contents: Premium unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: 05357
 Last Inspected: 12/19/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FRANCISCO GAS (Continued)

U004051107

Tank Number: 000003
 Tank Status: Change of Information
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: 05357
 Last Inspected: 12/19/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

51

**FRANCISCO BEACON
 831 E. FRANCISCO BLVD.
 SAN RAFAEL, CA 94901**

**UST U003970994
 N/A**

UST:
 Facility ID: 300133
 Latitude: 37.96334
 Longitude: -122.5108

51

**98627
 871 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**HIST UST U001599917
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000063123
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0003
 Contact Name: KUCHENREUTHER,LARRY
 Telephone: 4154533641
 Owner Name: CHEVRON U.S.A. INC.
 Owner Address: 575 MARKET
 Owner City,St,Zip: SAN FRANCISCO, CA 94105

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 0000370 unknown
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: 0000370 unknown
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 3

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

98627 (Continued)

U001599917

Year Installed: Not reported
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: 0000370 unknown
 Leak Detection: Stock Inventor

51

**BAXTER COURT
 720 FRANCISCO BLVD WEST
 SAN RAFAEL, CA 94901**

**RCRA-LQG 1012175845
 CAP983600362**

RCRA-LQG:

Date form received by agency: 02/26/2008
 Facility name: BAXTER COURT
 Facility address: 720 FRANCISCO BLVD WEST
 SAN RAFAEL, CA 94901
 EPA ID: CAP983600362
 Mailing address: 900 LARKSPUR LANDING CIRCLE
 SUITE 179
 LARKSPUR, CA 94939
 Contact: MICHAEL O LAMPHERE
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (415) 461-9727
 Contact email: Not reported
 EPA Region: 09
 Classification: Large Quantity Generator
 Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: MICHAEL O LAMPHERE ESQ
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 01/01/2003
 Owner/Op end date: Not reported
 Owner/operator name: BAXTER FAMILY TRUST
 Owner/operator address: LAMPHERE LAW OFFICE
 LARKSPUR, CA 94939
 Owner/operator country: US
 Owner/operator telephone: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BAXTER COURT (Continued)

1012175845

Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 01/01/2000
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
 Waste name: CHROMIUM

Waste code: D008
 Waste name: LEAD

Waste code: D040
 Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

51

**MARIN ACURA
 807 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000597539
 FINDS CAD983615543
 HAZNET**

RCRA-SQG:

Date form received by agency: 06/26/1992
 Facility name: MARIN ACURA
 Facility address: 807 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD983615543
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 807 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 924-5100

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN ACURA (Continued)

1000597539

Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MARIN ACURA
 Owner/operator address: 807 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 924-5100
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002866417

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 1999
 Gepaid: CAD983615543
 Contact: MARIN ACURA

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN ACURA (Continued)

1000597539

Telephone: 4159245100
 Mailing Name: Not reported
 Mailing Address: 807 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAL000161743
 TSD County: Santa Clara
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.417
 Facility County: Marin

Year: 1998
 Gepaid: CAD983615543
 Contact: MARIN ACURA
 Telephone: 4159245100
 Mailing Name: Not reported
 Mailing Address: 807 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 1.8556
 Facility County: Marin

Year: 1997
 Gepaid: CAD983615543
 Contact: MARIN ACURA
 Telephone: 4159245100
 Mailing Name: Not reported
 Mailing Address: 807 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 2.4811
 Facility County: Marin

Year: 1996
 Gepaid: CAD983615543
 Contact: MARIN ACURA
 Telephone: 4159245100
 Mailing Name: Not reported
 Mailing Address: 807 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Transfer Station
 Tons: .0416
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN ACURA (Continued)

1000597539

Year: 1996
 Gepaid: CAD983615543
 Contact: MARIN ACURA
 Telephone: 4159245100
 Mailing Name: Not reported
 Mailing Address: 807 E FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: .6672
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 5 additional CA_HAZNET: record(s) in the EDR Site Report.

51

**DON COLLINS BUICK
 502 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000597713
 FINDS CAD983617390**

RCRA-SQG:

Date form received by agency: 01/30/1992
 Facility name: DON COLLINS BUICK
 Facility address: 502 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD983617390
 Mailing address: P O BOX 150670
 SAN RAFAEL, CA 94915
 Contact: HEIDI HODES
 Contact address: 502 FRANCISCO BLVD
 SAN RAFAEL, CA 94902
 Contact country: US
 Contact telephone: (415) 453-9180
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DON COLLINS
 Owner/operator address: P O BOX 150670
 SAN RAFAEL, CA 94915
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 453-9180
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DON COLLINS BUICK (Continued)

1000597713

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/26/1998
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110008282839

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

51

**QUALITY CUSTOM CHROME
 714 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1004676429
 FINDS CAR000085274
 WDS**

RCRA-SQG:

Date form received by agency: 10/27/2000
 Facility name: QUALITY CUSTOM CHROME
 Facility address: 714 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAR000085274
 Contact: GARY SASSER
 Contact address: 714 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 259-0160
 Contact email: Not reported
 EPA Region: 09
 Land type: Municipal

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

QUALITY CUSTOM CHROME (Continued)

1004676429

Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GARY SASSER
 Owner/operator address: 3191 MACKINTOSH
 OROVILLE, CA 95966
 Owner/operator country: Not reported
 Owner/operator telephone: (530) 534-7433
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D002
 Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
 Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D007
 Waste name: CHROMIUM

Waste code: F007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

QUALITY CUSTOM CHROME (Continued)

1004676429

Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F008

Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/29/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110012225662

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA WDS:

Facility ID: San Francisco Bay 211016182

Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 2

Facility Telephone: 4152590160

Facility Contact: GARY SASSER

Agency Name: GARY SASSER

Agency Address: 714 Francisco Blvd W # A

Agency City,St,Zip: San Rafael 949013927

Agency Contact: GARY SASSER

Agency Telephone: 4152590160

Agency Type: Private

SIC Code: 0

SIC Code 2: Not reported

Primary Waste: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

QUALITY CUSTOM CHROME (Continued)

1004676429

Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

**51 WESTERN PLATING & POLISHING
 714A FRANCISCO BLVD W
 SAN RAFAEL, CA 94901**

**FINDS 1006835490
 WDS N/A
 DEED
 ENVIROSTOR**

FINDS:

Registry ID: 110013962845

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CA WDS:

Facility ID: San Francisco Bay 211011237
 Facility Type: Not reported
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 2
 Facility Telephone: Not reported
 Facility Contact: Not reported
 Agency Name: WESTERN PLATING & POLISHING
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Not reported
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WESTERN PLATING & POLISHING (Continued)

1006835490

Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

DEED:

Area: PROJECT WIDE
 Sub Area: Not reported
 Site Type: TIERED PERMIT
 Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
 Deed Date(s): 09/12/2008

ENVIROSTOR:

Site Type: Tiered Permit
 Site Type Detailed: Tiered Permit
 Acres: 5
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: TPCAB
 Program Manager: Quang Than
 Supervisor: Thomas Cota
 Division Branch: Cleanup Berkeley
 Facility ID: 71003673
 Site Code: 550008
 Assembly: 10
 Senate: 02
 Special Program: Not reported
 Status: Certified O&M - Land Use Restrictions Only
 Status Date: 11/03/2010
 Restricted Use: YES
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96356
 Longitude: -122.5127
 APN: NONE SPECIFIED
 Past Use: METAL PLATING - CHROME, VEHICLE MAINTENANCE
 Potential COC: 30022, 30027, 30153
 Confirmed COC: 30022,30153,30027
 Potential Description: SOIL
 Alias Name: CAD982472375
 Alias Type: EPA Identification Number
 Alias Name: 550008
 Alias Type: Project Code (Site Code)
 Alias Name: 71003673

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WESTERN PLATING & POLISHING (Continued)

1006835490

Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Selection and Statement of Basis
Completed Date:	04/02/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase I Verification
Completed Date:	03/07/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* CEQA
Completed Date:	02/19/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	06/23/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase I Verification
Completed Date:	03/07/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Agreement
Completed Date:	06/30/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	09/12/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan
Completed Date:	06/13/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Corrective Measures Proposal Approval
Completed Date:	04/02/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WESTERN PLATING & POLISHING (Continued)

1006835490

Completed Sub Area Name: Not reported
 Completed Document Type: Remedial Action Completion Report
 Completed Date: 07/11/2008
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Fact Sheets
 Completed Date: 03/26/2008
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 03/11/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Interim Measures Implementation Report
 Completed Date: 06/30/2007
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Human Health Risk Assessment Workplan
 Completed Date: 12/31/2006
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Report
 Completed Date: 06/29/2007
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 03/07/2002
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s)
 EPA ID Number

51 **SPEC ELECTROPLATING**
712 FRANCISCO BLVD.
SAN RAFAEL, CA 94901

RCRA-SQG **1000165760**
 FINDS **CAD982316523**
 WDS
 HAZNET
 ENVIROSTOR

RCRA-SQG:

Date form received by agency: 01/25/2002
 Facility name: SPEC-ELECTROPLATING
 Facility address: 712 FRANCISCO BLVD.
 SAN RAFAEL, CA 94901
 EPA ID: CAD982316523
 Mailing address: 712 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact: RICHARD J KILMURRAY
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (415) 456-3753
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RICHARD J KILMURRAY
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 06/01/1978
 Owner/Op end date: Not reported

Owner/operator name: RICHARD J KILMURRAY
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 06/01/1978
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SPEC ELECTROPLATING (Continued)

1000165760

Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 01/25/2002
 Facility name: SPEC-ELECTROPLATING
 Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
 Facility name: SPEC-ELECTROPLATING
 Classification: Large Quantity Generator

Date form received by agency: 02/09/1998
 Facility name: SPEC-ELECTROPLATING
 Site name: SPEC ELECTROPLATING
 Classification: Small Quantity Generator

Date form received by agency: 03/29/1996
 Facility name: SPEC-ELECTROPLATING
 Classification: Large Quantity Generator

Date form received by agency: 05/26/1994
 Facility name: SPEC-ELECTROPLATING
 Classification: Large Quantity Generator

Date form received by agency: 04/15/1992
 Facility name: SPEC-ELECTROPLATING
 Site name: SPEC ELECTRO PLATING
 Classification: Large Quantity Generator

Date form received by agency: 12/31/1987
 Facility name: SPEC-ELECTROPLATING
 Site name: SPEC ELECTROPLATING
 Classification: Small Quantity Generator

Date form received by agency: 12/31/1987
 Facility name: SPEC-ELECTROPLATING
 Site name: SPEC ELECTROPLATING
 Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
 Area of violation: Generators - Records/Reporting
 Date violation determined: 12/15/2003
 Date achieved compliance: 12/15/2003
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 12/15/2003
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SPEC ELECTROPLATING (Continued)

1000165760

Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 12/15/2003
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - Records/Reporting
 Date achieved compliance: 12/15/2003
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110000831850

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

HAZARDOUS WASTE BIENNIAL REPORTER

CA WDS:

Facility ID: San Francisco Bay 211003880
 Facility Type: Not reported
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 2
 Facility Telephone: Not reported
 Facility Contact: Not reported
 Agency Name: RICHARD J. KILMURRAY
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Not reported
 SIC Code: 0
 SIC Code 2: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SPEC ELECTROPLATING (Continued)

1000165760

Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

HAZNET:

Year: 2004
 Gepaid: CAD982316523
 Contact: RICHARD J KILMURRAY
 Telephone: 4154563753
 Mailing Name: Not reported
 Mailing Address: PO BOX 2885
 Mailing City,St,Zip: SAN RAFAEL, CA 949122885
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Not reported
 Disposal Method: Treatment, Tank
 Tons: 2.75
 Facility County: Not reported

Year: 2003
 Gepaid: CAD982316523
 Contact: RICHARD J KILMURRAY
 Telephone: 4154563753
 Mailing Name: Not reported
 Mailing Address: PO BOX 2885
 Mailing City,St,Zip: SAN RAFAEL, CA 949122885
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: Marin
 Waste Category: Other inorganic solid waste
 Disposal Method: Not reported
 Tons: 1
 Facility County: Marin

Year: 2003
 Gepaid: CAD982316523
 Contact: RICHARD J KILMURRAY
 Telephone: 4154563753
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SPEC ELECTROPLATING (Continued)

1000165760

Mailing Address: PO BOX 2885
 Mailing City,St,Zip: SAN RAFAEL, CA 949122885
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: Marin
 Waste Category: Liquids with nickel >= 134 Mg./L
 Disposal Method: Treatment, Tank
 Tons: 2.71
 Facility County: Marin

Year: 2003
 Gepaid: CAD982316523
 Contact: RICHARD J KILMURRAY
 Telephone: 4154563753
 Mailing Name: Not reported
 Mailing Address: PO BOX 2885
 Mailing City,St,Zip: SAN RAFAEL, CA 949122885
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: Marin
 Waste Category: Other inorganic solid waste
 Disposal Method: Disposal, Land Fill
 Tons: 5.8
 Facility County: Marin

Year: 2002
 Gepaid: CAD982316523
 Contact: RICHARD J KILMURRAY
 Telephone: 4154563753
 Mailing Name: Not reported
 Mailing Address: PO BOX 2885
 Mailing City,St,Zip: SAN RAFAEL, CA 949122885
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: 99
 Waste Category: Other inorganic solid waste
 Disposal Method: Disposal, Land Fill
 Tons: 16.85
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 33 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Tiered Permit
 Site Type Detailed: Tiered Permit
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Not reported
 Division Branch: Cleanup Berkeley
 Facility ID: 71002990
 Site Code: Not reported
 Assembly: 10
 Senate: 02

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SPEC ELECTROPLATING (Continued)

1000165760

Special Program: Not reported
 Status: No Further Action
 Status Date: 04/20/1999
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96382
 Longitude: -122.5118
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CAD982316523
 Alias Type: EPA Identification Number
 Alias Name: 71002990
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase I Verification
 Completed Date: 03/09/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Consent Agreement
 Completed Date: 12/10/2002
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase I Verification
 Completed Date: 05/10/2002
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase I Verification
 Completed Date: 05/10/2002
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Consent Agreement
 Completed Date: 12/10/2002
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Consent Agreement
 Completed Date: 03/30/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase I Verification

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SPEC ELECTROPLATING (Continued)

1000165760

Completed Date: 03/09/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Inspections/Visit (Non LUR)
 Completed Date: 04/20/1999
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 03/09/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 03/07/2002
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

51

**DOBBINS & FLOYDS CRANE SER.
 712A FRANCISCO BLVD W
 SAN RAFAEL, CA 94901**

**HIST UST U001599930
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000045161
 Facility Type: Other
 Other Type: Not reported
 Total Tanks: 0001
 Contact Name: T. FLOYD
 Telephone: 4154548399
 Owner Name: DOBBINS FLOYD CRANE SER.
 Owner Address: 712A FRANCISCO BLVD.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 05678
 Year Installed: 1970
 Tank Capacity: 00001300
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Visual

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**51 GRIESE RADIATOR REPAIR SERVICE
 710 WEST FRANCISCO AVE
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000221936
 FINDS CAD982346843**

RCRA NonGen / NLR:

Date form received by agency: 01/29/1988
 Facility name: GRIESE RADIATOR REPAIR SERVICE
 Facility address: 710 WEST FRANCISCO AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD982346843
 Mailing address: WEST FRANCISCO AVE
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 710 WEST FRANCISCO AVE
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 453-6864
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JIM BAXTER
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GRIESE RADIATOR REPAIR SERVICE (Continued)

1000221936

Used oil transporter: No
 Violation Status: No violations found

FINDS:

Registry ID: 110002797705

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

51

**FLYING J GASOLINE
 831 FRANCISCO BLVD.
 SAN RAFAEL, CA 94901**

**HIST UST U001599937
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000014892
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0003
 Contact Name: RICHARD HART-MANAGER
 Telephone: 4154573924
 Owner Name: FLYING J INC.
 Owner Address: 50 WEST 990 SOUTH
 Owner City,St,Zip: BRIGHAM CITY, UT 84302

Tank Num: 001
 Container Num: 1
 Year Installed: 1977
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: 1977
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 3
 Year Installed: 1977
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FLYING J GASOLINE (Continued)

U00159937

Leak Detection: Stock Inventor

51

**PETERS ALLIANCE
 831 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**CA FID UST S101588461
 SWEEPS UST N/A**

CA FID UST:

Facility ID: 21000062
 Regulated By: UTNKA
 Regulated ID: 00014892
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154573924
 Mail To: Not reported
 Mailing Address: 108 BELLAM BLVD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 14892
 Number: 2
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-014892-000001
 Actv Date: 06-20-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 3

Status: Active
 Comp Number: 14892
 Number: 2
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2
 Swrcb Tank Id: 21-028-014892-000002
 Actv Date: 06-20-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PETERS ALLIANCE (Continued)

S101588461

Content: LEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 14892
 Number: 2
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 3
 Swrcb Tank Id: 21-028-014892-000003
 Actv Date: 06-20-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

51

**MARIN MAZDA
 807 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HIST UST
 HAZNET**

**U001599951
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0073

LUST:

Region: STATE
 Global Id: T0604100070
 Latitude: 37.9629048
 Longitude: -122.510029
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/20/1997
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0073
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100070
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN MAZDA (Continued)

U001599951

Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100070
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100070
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100070
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100070
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0073
 Facility Status: Case Closed
 Case Number: 21-103
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 3/18/1991
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HIST UST:

Region: STATE
 Facility ID: 00000011386
 Facility Type: Other
 Other Type: NEW CAR DEALER
 Total Tanks: 0002
 Contact Name: JOHN ROSSI JR PRES.
 Telephone: 4154549240
 Owner Name: ROSSI MTRS INC. DBA MARIN MAZD
 Owner Address: 807 FRANCISCO BLVD

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN MAZDA (Continued)

U001599951

Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1983
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: 10 gauge
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: 1980
 Tank Capacity: 00000550
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Visual

HAZNET:

Year: 2008
 Gepaid: CAL000010892
 Contact: INACTIVE PER SURVEY 1/95 HN
 Telephone: Not reported
 Mailing Name: Not reported
 Mailing Address: 807 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
 Tons: 1.01748
 Facility County: Marin

Year: 2006
 Gepaid: CAL000010892
 Contact: INACTIVE PER SURVEY 1/95 HN
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 807 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 1.35
 Facility County: Marin

Year: 1996
 Gepaid: CAL000010892
 Contact: ROSSI JOHN JR
 Telephone: 0000000000
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN MAZDA (Continued)

U001599951

Mailing Address: 807 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: .4170
 Facility County: Marin

Year: 1995
 Gepaid: CAL000010892
 Contact: ROSSI JOHN JR
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 807 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 1.0008
 Facility County: Marin

52

**JACKSON HARDWARE
 68 WOODLAND AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000138104
 FINDS CAD981688708**

RCRA-SQG:

Date form received by agency: 06/01/1992
 Facility name: JACKSON HARDWARE
 Facility address: 68 WOODLAND AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD981688708
 Mailing address: PO BOX 10247
 SAN RAFAEL, CA 94901
 Contact: WILLIAM LOSKUTOFF
 Contact address: PO BOX 10247
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-3740
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: HC JACKSON
 Owner/operator address: P O BOX 10247
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 454-3740

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JACKSON HARDWARE (Continued)

1000138104

Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212

Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002753397

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

52

**J R AUTO BODY
 70-U WOODLAND AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000103354
 FINDS CAD982031338
 HAZNET
 EMI**

RCRA-SQG:

Date form received by agency: 08/24/1987
 Facility name: J R AUTO BODY
 Facility address: 70-U WOODLAND AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD982031338

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

J R AUTO BODY (Continued)

1000103354

Mailing address: WOODLAND AVE
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 70-U WOODLAND AVE
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-6213
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JOHN RYVES
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

J R AUTO BODY (Continued)

1000103354

FINDS:

Registry ID: 110002783006

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2005
 Gepaid: CAD982031338
 Contact: JOHN RYVES
 Telephone: 4154566213
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE A
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Not reported
 Tons: 0.22
 Facility County: Not reported

Year: 2004
 Gepaid: CAD982031338
 Contact: JOHN RYVES
 Telephone: 4154566213
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE A
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Not reported
 Tons: 0.22
 Facility County: Not reported

Year: 2001
 Gepaid: CAD982031338
 Contact: JOHN RYVES
 Telephone: 4154566213
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE A
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

J R AUTO BODY (Continued)

1000103354

TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Recycler
 Tons: 1.18
 Facility County: Not reported

Year: 1999
 Gepaid: CAD982031338
 Contact: J R AUTO BODY
 Telephone: 4154566213
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE A
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Recycler
 Tons: 0.5212
 Facility County: Marin

Year: 1997
 Gepaid: CAD982031338
 Contact: J R AUTO BODY
 Telephone: 4154566213
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE A
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CAD008302903
 TSD County: Los Angeles
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Recycler
 Tons: .4587
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 4 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1990
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

J R AUTO BODY (Continued)

1000103354

Year: 1993
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

J R AUTO BODY (Continued)

1000103354

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 6431
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

J R AUTO BODY (Continued)

1000103354

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2001
County Code:	21
Air Basin:	SF
Facility ID:	6431
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2002
County Code:	21
Air Basin:	SF
Facility ID:	6431
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2003
County Code:	21
Air Basin:	SF
Facility ID:	15829
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2004

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

J R AUTO BODY (Continued)

1000103354

County Code: 21
 Air Basin: SF
 Facility ID: 15829
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.121
 Reactive Organic Gases Tons/Yr: 0.088905
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 17886
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .121
 Reactive Organic Gases Tons/Yr: .088905
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2006
 County Code: 21
 Air Basin: SF
 Facility ID: 17886
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .121
 Reactive Organic Gases Tons/Yr: .088905
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 17886
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

J R AUTO BODY (Continued)

1000103354

Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .121
 Reactive Organic Gases Tons/Yr: .088905
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 17886
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD

Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .149
 Reactive Organic Gases Tons/Yr: .13958
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

52

**BECKSTROM AUTOMOTIVE INC
 70 B WOODLAND AVE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000272862
 FINDS CAD982312001
 HAZNET**

RCRA-SQG:

Date form received by agency: 12/23/1991
 Facility name: BECKSTROM AUTOMOTIVE INC
 Facility address: 70 B WOODLAND AVE
 SAN RAFAEL, CA 94901

EPA ID: CAD982312001
 Contact: ALLEN AUZENNE
 Contact address: 70 B WOODLAND AVE
 SAN RAFAEL, CA 94901

Contact country: US
 Contact telephone: (415) 457-6050
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: AUZEENE AND LEE INC
 Owner/operator address: 648 RINALDO ST
 SANTA ROSA, CA 95409

Owner/operator country: Not reported
 Owner/operator telephone: (415) 457-6050

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BECKSTROM AUTOMOTIVE INC (Continued)

1000272862

Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212

Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002791710

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2007
 Gepaid: CAD982312001
 Contact: ALLEN AUZENNE
 Telephone: 4158975386
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE B
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CA0000084517

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

BECKSTROM AUTOMOTIVE INC (Continued)

1000272862

TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.02
 Facility County: Marin

Year: 2006
 Gepaid: CAD982312001
 Contact: ALLEN AUZENNE
 Telephone: 4158975386
 Mailing Name: Not reported
 Mailing Address: 70 WOODLAND AVE STE B
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Marin

Year: 2005
 Gepaid: CAD982312001
 Contact: ALLEN AUZENNE
 Telephone: 4158975386
 Mailing Name: Not reported
 Mailing Address: 70 B WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.04
 Facility County: Not reported

Year: 2004
 Gepaid: CAD982312001
 Contact: ALLEN AUZENNE
 Telephone: 4158975386
 Mailing Name: Not reported
 Mailing Address: 70 B WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015150
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.04
 Facility County: Not reported

Year: 2003
 Gepaid: CAD982312001
 Contact: ALLEN AUZENNE
 Telephone: 4158975386
 Mailing Name: Not reported

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)Site	Database(s)	EPA ID Number

BECKSTROM AUTOMOTIVE INC (Continued)

1000272862

Mailing Address: 70 B WOODLAND AVE
Mailing City,St,Zip: SAN RAFAEL, CA 949015150
Gen County: Marin
TSD EPA ID: CA0000084517
TSD County: Marin
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.1
Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
20 additional CA_HAZNET: record(s) in the EDR Site Report.

**53 WALTER LOUIS PLUMBING
52 WOODLAND AVE
SAN RAFAEL, CA 94901**

**HIST UST U001599987
N/A**

HIST UST:
Region: STATE
Facility ID: 00000021817
Facility Type: Other
Other Type: PLUMBING CONTRACTOR
Total Tanks: 0001
Contact Name: Not reported
Telephone: 4154539254
Owner Name: CHRIS LOUIS
Owner Address: 52 WOODLAND AV
Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
Container Num: #1
Year Installed: 1946
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

**54 OLDSMOBILE INC MARX
740 FRANCISCO BLVD
SAN RAFAEL, CA 94901**

**CA FID UST S101588477
SWEEPS UST N/A**

CA FID UST:
Facility ID: 21000162
Regulated By: UTNKA
Regulated ID: 00010396
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154598050
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN RAFAEL 94901
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

OLDSMOBILE INC MARX (Continued)

S101588477

NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 10396
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-010396-000001
 Actv Date: 07-01-85
 Capacity: 550
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 2

Status: Active
 Comp Number: 10396
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2
 Swrcb Tank Id: 21-028-010396-000002
 Actv Date: 07-01-85
 Capacity: 300
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: Not reported

54

SONNEN MOTORS
740 W FRANCISCO BLVD
SAN RAFAEL, CA 94901

RCRA NonGen / NLR 1001231301
FINDS CAR000031062

RCRA NonGen / NLR:

Date form received by agency: 11/08/2002
 Facility name: SONNEN MOTORS
 Facility address: 740 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAR000031062
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SONNEN MOTORS (Continued)

1001231301

Land type: Private
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PETER SONNEN
 Owner/operator address: 601 E FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 456-9040
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 10/20/2000
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002918941

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)Site	Database(s)	EPA ID Number

SONNEN MOTORS (Continued)

1001231301

corrective action activities required under RCRA.

54

**SONNEN LEXUS
740 FRANCISCO BLVD
SAN RAFAEL, CA 94901**

**HIST CORTESE
LUST**

**S103396057
N/A**

CORTESE:

Region:	CORTESE
Facility County Code:	21
Reg By:	LTNKA
Reg Id:	21-0172

LUST:

Region:	STATE
Global Id:	T0604100163
Latitude:	37.963568
Longitude:	-122.5113166
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/30/2001
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	JMJ
Local Agency:	Not reported
RB Case Number:	21-0172
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Stoddard solvent / Mineral Spruits / Distillates
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0604100163
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported

Global Id:	T0604100163
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN JANG
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	jjang@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100163
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SONNEN LEXUS (Continued)

S103396057

Global Id: T0604100163
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100163
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0172
 Facility Status: Case Closed
 Case Number: 21-0172
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 11/24/1992
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

54

**SONNEN LEXUS
 601 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA NonGen / NLR 1000818522
 FINDS CAD983644030
 HAZNET**

RCRA NonGen / NLR:

Date form received by agency: 10/24/1997
 Facility name: SONNEN LEXUS
 Facility address: 601 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD983644030
 Contact: DALE BARKER
 Contact address: 740 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-9040
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SONNEN LEXUS
 Owner/operator address: 601 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 454-6555
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SONNEN LEXUS (Continued)

1000818522

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 07/17/1992
 Facility name: SONNEN LEXUS
 Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002881622

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2009
 Gepaid: CAD983644030
 Contact: INACTIVE NO MORE WASTE 6/96
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 601 FRANCISCO BLVD E
 Mailing City, St, Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 3.477
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SONNEN LEXUS (Continued)

1000818522

Year: 2006
 Gepaid: CAD983644030
 Contact: INACTIVE NO MORE WASTE 6/96
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 601 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.06
 Facility County: Marin

Year: 2004
 Gepaid: CAD983644030
 Contact: INACTIVE NO MORE WASTE 6/96
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 601 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 4.08
 Facility County: Not reported

Year: 2002
 Gepaid: CAD983644030
 Contact: INACTIVE NO MORE WASTE 6/96
 Telephone: --
 Mailing Name: Not reported
 Mailing Address: 601 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Alameda
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 0.85
 Facility County: Not reported

Year: 2000
 Gepaid: CAD983644030
 Contact: SONNEN LEXUS
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 601 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

SONNEN LEXUS (Continued)

1000818522

Disposal Method: Transfer Station
 Tons: .5629
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 4 additional CA_HAZNET: record(s) in the EDR Site Report.

54

**SCRIPTURE OLDSMOBILE INC
 740 FRANCISCO BLVD W
 SAN RAFAEL, CA 94901**

**HIST UST 1000260931
 N/A**

HIST UST:

Region: STATE
 Facility ID: 00000063446
 Facility Type: Other
 Other Type: AUTO SALES & SERVICE
 Total Tanks: 0001
 Contact Name: RICHARD SCRIPTURE
 Telephone: 4154598050
 Owner Name: SCRIPTURE OLDSMOBILE INC
 Owner Address: 740 FRANCISCO BLVD.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00000300
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

55	A AND C AUTO AIR AND RADIATOR 40 WOODLAND AVE SAN RAFAEL, CA 94901	RCRA-SQG FINDS HAZNET ENVIROSTOR	1000473149 CAD982460974
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RCRA-SQG:

Date form received by agency: 10/10/1990
 Facility name: A AND C AUTO AIR AND RADIATOR
 Facility address: 40 WOODLAND AVE
 SAN RAFAEL, CA 94901
 EPA ID: CAD982460974
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 40 WOODLAND AVE
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-3071
 Contact email: Not reported
 EPA Region: 09
 Land type: Other land type
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WAITER ECHO
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

A AND C AUTO AIR AND RADIATOR (Continued)

1000473149

User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/24/1998
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002815614

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2011
 Gepaid: CAD982460974
 Contact: ANTHONY PAGE/OWNER
 Telephone: 4154543071
 Mailing Name: Not reported
 Mailing Address: 40 WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015344
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.336
 Facility County: Marin

Year: 2010
 Gepaid: CAD982460974
 Contact: ANTHONY PAGE/OWNER
 Telephone: 4154543071
 Mailing Name: Not reported
 Mailing Address: 40 WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015344

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

A AND C AUTO AIR AND RADIATOR (Continued)

1000473149

Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.021
 Facility County: Marin

Year: 2010
 Gepaid: CAD982460974
 Contact: ANTHONY PAGE/OWNER
 Telephone: 4154543071
 Mailing Name: Not reported
 Mailing Address: 40 WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015344
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.063
 Facility County: Marin

Year: 2010
 Gepaid: CAD982460974
 Contact: ANTHONY PAGE/OWNER
 Telephone: 4154543071
 Mailing Name: Not reported
 Mailing Address: 40 WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015344
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.084
 Facility County: Marin

Year: 2010
 Gepaid: CAD982460974
 Contact: ANTHONY PAGE/OWNER
 Telephone: 4154543071
 Mailing Name: Not reported
 Mailing Address: 40 WOODLAND AVE
 Mailing City,St,Zip: SAN RAFAEL, CA 949015344
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.084
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

A AND C AUTO AIR AND RADIATOR (Continued)

1000473149

[Click this hyperlink](#) while viewing on your computer to access
 25 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21350001
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: Other Agency
 Status Date: 07/29/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.96241
 Longitude: -122.5155
 APN: 01316302
 Past Use: NONE SPECIFIED
 Potential COC: 10097, 10199
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: A & C AIR AND RADIATOR REPAIR
 Alias Type: Alternate Name
 Alias Name: SUMMIT RIDGE PRODUCTS
 Alias Type: Alternate Name
 Alias Name: 01316302
 Alias Type: APN
 Alias Name: 21350001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 01/07/1987
 Comments: FACILITY IDENTIFIED DEPT OF FISH & GAME, REG 3: MISC. FILE

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: DRUMS AND TANKS IN REAR BY DRAINAGE DITCH. POSSIBLE WASTE OIL/SOLVENT CONTAMINATION.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 01/19/1988

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

A AND C AUTO AIR AND RADIATOR (Continued)

1000473149

Comments: SITE SCREENING DONE PA NEEDS TO ASSESS IF AND TO WHAT EXTENT SITE MAY HAVE BEEN MITIGATED.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

56 **DEMAESTRI DISTRIBUTING**
3195 KERNER BLVD
SAN RAFAEL, CA 94912

LUST S101588459
CA FID UST N/A
SWEEPS UST
HAZNET

LUST REG 2:

Region: 2
 Facility Id: 21-0040
 Facility Status: Case Closed
 Case Number: 96
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 7/1/1991
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 9/15/1992
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 21000050
 Regulated By: UTKNI
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154592450
 Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City, St, Zip: SAN RAFAEL 94912
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

SWEEPS UST:

Status: Not reported
 Comp Number: 10040

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

DEMAESTRI DISTRIBUTING (Continued)

S101588459

Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-010040-000001
 Actv Date: Not reported
 Capacity: 1000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: DIESEL
 Number Of Tanks: 2

Status: Not reported
 Comp Number: 10040
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-010040-000002
 Actv Date: Not reported
 Capacity: 1000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: DIESEL
 Number Of Tanks: Not reported

HAZNET:

Year: 2007
 Gepaid: CAC002618673
 Contact: DONNA DEMAESTRI
 Telephone: 7072912427
 Mailing Name: Not reported
 Mailing Address: 22 CORTE DEL NORTE
 Mailing City,St,Zip: GREENBRAE, CA 949041843
 Gen County: Marin
 TSD EPA ID: CAD982042475
 TSD County: Solano
 Waste Category: Asbestos containing waste
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 0.8
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**56 DE MAESTRI DISTRIBUTING COMPANY
 3195 KERNER BLVD
 SAN RAFAEL, CA 94901**

**LUST S111760362
 N/A**

LUST:

Region: STATE
 Global Id: T0604100039
 Latitude: 37.958898
 Longitude: -122.501942
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/30/1993
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0040
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100039
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100039
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100039
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100039
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100039
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

56	CRO IMPORT AUTO SERVICE 3241 KERNER SAN RAFAEL, CA 94901	HIST CORTESE LUST HAZNET	S103967495 N/A
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CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0331

LUST:
 Region: STATE
 Global Id: T0604100313
 Latitude: 37.960204
 Longitude: -122.502108
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/09/1998
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: MARIN COUNTY
 RB Case Number: 21-0331
 LOC Case Number: 21-0331
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
 Global Id: T0604100313
 Contact Type: Local Agency Caseworker
 Contact Name: UNK
 Organization Name: MARIN COUNTY
 Address: Not reported
 City: r2 UNKNOWN
 Email: Not reported
 Phone Number: Not reported

Global Id: T0604100313
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:
 Global Id: T0604100313
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100313
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CRO IMPORT AUTO SERVICE (Continued)

S103967495

Global Id: T0604100313
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0331
 Facility Status: Case Closed
 Case Number: 21-0331
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 2011
 Gepaid: CAD981170533
 Contact: FRANK JANDURA
 Telephone: 4154597320
 Mailing Name: Not reported
 Mailing Address: 3241 KERNER BLVD BLDG B
 Mailing City,St,Zip: SAN RAFAEL, CA 949014863
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues 10 percent or more
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.2502
 Facility County: Marin

Year: 2010
 Gepaid: CAD981170533
 Contact: FRANK JANDURA
 Telephone: 4154597320
 Mailing Name: Not reported
 Mailing Address: 3241 KERNER BLVD BLDG B
 Mailing City,St,Zip: SAN RAFAEL, CA 949014863
 Gen County: Not reported
 TSD EPA ID: CAD008252405
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues 10 percent or more
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.1251
 Facility County: Marin

Year: 2009
 Gepaid: CAL000162879

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CRO IMPORT AUTO SERVICE (Continued)

S103967495

Contact: JIM BABCOCK/PRESIDENT
 Telephone: 4154530474
 Mailing Name: Not reported
 Mailing Address: 3241 KERNER BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949014863
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: Alameda
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.19
 Facility County: Marin

Year: 2009
 Gepaid: CAD981170533
 Contact: FRANK JANDURA
 Telephone: 4154597320
 Mailing Name: Not reported
 Mailing Address: 3241 KERNER BLVD BLDG B
 Mailing City,St,Zip: SAN RAFAEL, CA 949014863
 Gen County: Marin
 TSD EPA ID: CAD008252405
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues 10 percent or more
 Disposal Method: Solvents Recovery
 Tons: 0.1251
 Facility County: Marin

Year: 2008
 Gepaid: CAD981170533
 Contact: FRANK JANDURA
 Telephone: 4154597320
 Mailing Name: Not reported
 Mailing Address: 3241 KERNER BLVD BLDG B
 Mailing City,St,Zip: SAN RAFAEL, CA 949014863
 Gen County: Marin
 TSD EPA ID: CAD008252405
 TSD County: Los Angeles
 Waste Category: Aqueous solution with total organic residues 10 percent or more
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.1251
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 3 additional CA_HAZNET: record(s) in the EDR Site Report.

57

**WAGNER PROPERTY
 933 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102792911
 LUST N/A
 HAZNET**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0322

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WAGNER PROPERTY (Continued)

S102792911

LUST:

Region: STATE
 Global Id: T0604100304
 Latitude: 37.9614894784701
 Longitude: -122.506109476089
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 05/11/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0322
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100304
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100304
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100304
 Action Type: ENFORCEMENT
 Date: 10/17/2007
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100304
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Not reported

Global Id: T0604100304
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100304
 Action Type: ENFORCEMENT
 Date: 05/11/2009
 Action: Closure/No Further Action Letter

Global Id: T0604100304

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

WAGNER PROPERTY (Continued)

S102792911

Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0322
 Facility Status: Pollution Characterization
 Case Number: 21-0322
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 8/15/1997
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 4/27/1998
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 1994
 Gepaid: CAC000725096
 Contact: GEORGE WAGNER
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: C/O GEORGE WAGNER
 Mailing City, St, Zip: LARKSPUR, CA 949390000
 Gen County: Marin
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Disposal, Other
 Tons: .2500
 Facility County: Marin

57

**LOCKE AUTOMOTIVE
 911 FRANCISCO BOULEVARD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000268146
 FINDS CAD093077329
 HAZNET
 EMI**

RCRA-SQG:

Date form received by agency: 09/23/1985
 Facility name: LOCKE AUTOMOTIVE
 Facility address: 911 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD093077329
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 911 FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 453-7630
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LOCKE AUTOMOTIVE (Continued)

1000268146

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BRUCE LOCKE
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002663920

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LOCKE AUTOMOTIVE (Continued)

1000268146

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2004
 Gepaid: CAL000077002
 Contact: JASON LOUIS
 Telephone: 4154537630
 Mailing Name: Not reported
 Mailing Address: 823 MADISON ST
 Mailing City,St,Zip: PETNOMA, CA 949520000
 Gen County: Marin
 TSD EPA ID: CAD008364432
 TSD County: Los Angeles
 Waste Category: Laboratory waste chemicals
 Disposal Method: Transfer Station
 Tons: 0
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000077002
 Contact: JASON LOUIS
 Telephone: 4154537630
 Mailing Name: Not reported
 Mailing Address: 823 MADISON ST
 Mailing City,St,Zip: PETNOMA, CA 949520000
 Gen County: Marin
 TSD EPA ID: CAD099452708
 TSD County: Marin
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 0.2
 Facility County: Marin

Year: 2002
 Gepaid: CAL000077002
 Contact: JASON LOUIS
 Telephone: 4154537630
 Mailing Name: Not reported
 Mailing Address: 911 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014711
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Recycler
 Tons: 0.22
 Facility County: Not reported

Year: 2002
 Gepaid: CAL000077002
 Contact: JASON LOUIS
 Telephone: 4154537630
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LOCKE AUTOMOTIVE (Continued)

1000268146

Mailing Address: 911 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014711
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Paint sludge
 Disposal Method: Recycler
 Tons: 0.22
 Facility County: Not reported

Year: 2002
 Gepaid: CAL000077002
 Contact: JASON LOUIS
 Telephone: 4154537630
 Mailing Name: Not reported
 Mailing Address: 911 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949014711
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sonoma
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.06
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 8 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 9370
 Air District Name: BA
 SIC Code: 7536
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 9370
 Air District Name: BA
 SIC Code: 7536
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site
 Database(s)
 EDR ID Number
 EPA ID Number

LOCKE AUTOMOTIVE (Continued)

1000268146

Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

**57 VERDI STREET PROPERTIES
 933 FRANCISCO BLVD.
 SAN RAFAEL, CA 94901**

**UST U003805180
 N/A**

UST:
 Facility ID: 300366
 Latitude: 37.96182
 Longitude: -122.50793

**58 S&P AUTO REPAIR
 905 ANDERSEN DR
 SAN RAFAEL, CA 94901**

**HAZNET S109933293
 N/A**

HAZNET:
 Year: 2008
 Gepaid: CAL000203469
 Contact: KOHN PHETPHADOUNG
 Telephone: 4154597934
 Mailing Name: Not reported
 Mailing Address: 905 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949015306
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Not reported
 Tons: 0.0036
 Facility County: Marin

**58 S&P AUTO REPAIR
 905 ANDERSON DR
 SAN RAFAEL, CA 94901**

**HAZNET S108754320
 N/A**

HAZNET:
 Year: 2007
 Gepaid: CAL000203469
 Contact: KOHN PHETPHADOUNG
 Telephone: 4154597934
 Mailing Name: Not reported
 Mailing Address: 905 ANDERSON DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.03
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

S&P AUTO REPAIR (Continued)

S108754320

Year: 2007
 Gepaid: CAL000203469
 Contact: KOHN PHETPHADOUNG
 Telephone: 4154597934
 Mailing Name: Not reported
 Mailing Address: 905 ANDERSON DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Solvents Recovery
 Tons: 0.18
 Facility County: Marin

Year: 2006
 Gepaid: CAL000203469
 Contact: KOHN PHETPHADOUNG
 Telephone: 4154597934
 Mailing Name: Not reported
 Mailing Address: 905 ANDERSON DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Not reported
 Tons: 0.03
 Facility County: Marin

59

**TRIPLE S TIRE
 836 W FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**SWEEPS UST S106933242
 N/A**

SWEEPS UST:

Status: Not reported
 Comp Number: 3790
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-003790-000001
 Actv Date: Not reported
 Capacity: 250
 Tank Use: OIL
 Stg: WASTE
 Content: WASTE OIL
 Number Of Tanks: 4

Status: Not reported
 Comp Number: 3790
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRIPLE S TIRE (Continued)

S106933242

Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-003790-000002
 Actv Date: Not reported
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 3790
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-003790-000003
 Actv Date: Not reported
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 3790
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-003790-000004
 Actv Date: Not reported
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: LEADED
 Number Of Tanks: Not reported

59

**HOWARD RICE PROPERTY
 836 FRANCISCO BLVD W
 SAN RAFAEL, CA 94901**

**HIST CORTESE S104396820
 LUST N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0271

LUST:
 Region: STATE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HOWARD RICE PROPERTY (Continued)

S104396820

Global Id: T0604100253
 Latitude: 37.961044
 Longitude: -122.510016
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/27/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0271
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100253
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100253
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100253
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100253
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100253
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

Global Id: T0604100253
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

HOWARD RICE PROPERTY (Continued)

S104396820

LUST REG 2:

Region: 2
 Facility Id: 21-0271
 Facility Status: Case Closed
 Case Number: 74
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 9/13/1993
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: 1/3/1995
 Preliminary Site Assessment Began: 6/20/1996
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

59

**TRIPLE S TIRE
 810 SAN FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000473086
 FINDS CAD982445363
 HAZNET**

RCRA-SQG:

Date form received by agency: 01/04/1991
 Facility name: TRIPLE S TIRE
 Facility address: 810 SAN FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD982445363
 Mailing address: SAN FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 810 SAN FRANCISCO BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 453-0270
 Contact email: Not reported
 EPA Region: 09
 Land type: Facility is not located on Indian land. Additional information is not known.
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: LOMBARD & ASSCIATES INC
 Owner/operator address: NOT REQUIRED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRIPLE S TIRE (Continued)

1000473086

NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/12/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002814562

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2001
 Gepaid: CAD982445363
 Contact: INACTIVE PER SURVEY NOV 1994
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 810 SAN FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TRIPLE S TIRE (Continued)

1000473086

TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.08
 Facility County: Not reported

Year: 2001
 Gepaid: CAD982445363
 Contact: INACTIVE PER SURVEY NOV 1994
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 810 SAN FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Not reported

Year: 2000
 Gepaid: CAD982445363
 Contact: LOMBARD & ASSCIATES INC
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 810 SAN FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: .1664
 Facility County: Marin

Year: 1999
 Gepaid: CAL000180283
 Contact: ANTHONY CHAN
 Telephone: 4154530270
 Mailing Name: Not reported
 Mailing Address: 810 SAN FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.417
 Facility County: Marin

Year: 1999
 Gepaid: CAD982445363
 Contact: LOMBARD & ASSCIATES INC
 Telephone: 4155551212
 Mailing Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

TRIPLE S TIRE (Continued)

1000473086

Mailing Address: 810 SAN FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: 0.104
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 4 additional CA_HAZNET: record(s) in the EDR Site Report.

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**NEW SAN RAFAEL CAR WASH
 990 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 HIST UST**

**U001599964
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0093

LUST:

Region: STATE
 Global Id: T0604100090
 Latitude: 37.9601360458457
 Longitude: -122.504441142082
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 07/03/2012
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0093
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100090
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100090
 Action Type: RESPONSE
 Date: 01/14/2008

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

NEW SAN RAFAEL CAR WASH (Continued)

U001599964

Action:	Soil and Water Investigation Report
Global Id:	T0604100090
Action Type:	ENFORCEMENT
Date:	07/03/2007
Action:	13267 Requirement
Global Id:	T0604100090
Action Type:	RESPONSE
Date:	08/28/2009
Action:	Respond to Petition
Global Id:	T0604100090
Action Type:	RESPONSE
Date:	07/18/2007
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0604100090
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100090
Action Type:	RESPONSE
Date:	05/05/2011
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0604100090
Action Type:	RESPONSE
Date:	05/18/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0604100090
Action Type:	ENFORCEMENT
Date:	06/28/2011
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100090
Action Type:	ENFORCEMENT
Date:	06/09/2008
Action:	13267 Requirement
Global Id:	T0604100090
Action Type:	ENFORCEMENT
Date:	01/30/2007
Action:	* Verbal Communication
Global Id:	T0604100090
Action Type:	RESPONSE
Date:	08/31/2007
Action:	Other Workplan
Global Id:	T0604100090
Action Type:	ENFORCEMENT
Date:	07/03/2012
Action:	Clean Up Fund - Closure / No Further Action Letter

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

NEW SAN RAFAEL CAR WASH (Continued)

U001599964

Global Id: T0604100090
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100090
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0604100090
 Action Type: RESPONSE
 Date: 12/03/2010
 Action: Pilot Study/ Treatability Report

Global Id: T0604100090
 Action Type: ENFORCEMENT
 Date: 09/14/2007
 Action: 13267 Requirement

Global Id: T0604100090
 Action Type: ENFORCEMENT
 Date: 08/11/2010
 Action: 13267 Requirement

Global Id: T0604100090
 Action Type: RESPONSE
 Date: 05/02/2008
 Action: Other Workplan

Global Id: T0604100090
 Action Type: RESPONSE
 Date: 08/29/2008
 Action: Well Installation Report

Global Id: T0604100090
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100090
 Action Type: ENFORCEMENT
 Date: 02/28/2008
 Action: 13267 Requirement

Global Id: T0604100090
 Action Type: ENFORCEMENT
 Date: 03/19/2009
 Action: 13267 Monitoring Program

HIST UST:
 Region: STATE
 Facility ID: 00000044987
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0005

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

NEW SAN RAFAEL CAR WASH (Continued)

U001599964

Contact Name: SHAUN JADOT, MANAGER
 Telephone: 4154545660
 Owner Name: THE NEW SAN RAFAEL CAR WASH CO
 Owner Address: 990 FRANCISCO BOULEVARD, EAST
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 5
 Year Installed: 1977
 Tank Capacity: 00001200
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 3 inches
 Leak Detection: Visual

Tank Num: 002
 Container Num: 4
 Year Installed: 1977
 Tank Capacity: 00001200
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 3 inches
 Leak Detection: Visual

Tank Num: 003
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00007500
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00007500
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 005
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**60 FORMER CAR WASH & SERVICE STATION
 990 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**LUST S105035176
 N/A**

LUST REG 2:
 Region: 2
 Facility Id: 21-0093
 Facility Status: Preliminary site assessment underway
 Case Number: 17
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 1/5/1995
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

**60 PETER'S BEACON
 108 BELLAM BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE S103981649
 LUST N/A
 ENF
 HAZNET**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0007

LUST:
 Region: STATE
 Global Id: T0604100007
 Latitude: 37.960520566
 Longitude: -122.504493625
 Case Type: LUST Cleanup Site
 Status: Open - Remediation
 Status Date: 10/18/2007
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0007
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
 Global Id: T0604100007
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PETER'S BEACON (Continued)

S103981649

Phone Number: Not reported

LUST:

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 08/28/2009
 Action: Remedial Progress Report

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 08/17/2009
 Action: Monitoring Report - Semi-Annually

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 04/01/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 03/22/2012
 Action: 13267 Requirement

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 08/16/2012
 Action: 13267 Requirement

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 06/09/2009
 Action: 13267 Requirement

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 06/17/2008
 Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 04/24/2007
 Action: 13267 Requirement

Global Id: T0604100007
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 06/15/2012
 Action: Pilot Study/ Treatability Report

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 07/11/2001
 Action: Monitoring Report - Quarterly

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S BEACON (Continued)

S103981649

Global Id:	T0604100007
Action Type:	RESPONSE
Date:	03/11/2002
Action:	CAP/RAP - Other Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	11/24/1992
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	03/12/2003
Action:	Other Report / Document
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	04/29/1995
Action:	Soil and Water Investigation Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	11/04/2003
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	09/05/2000
Action:	Monitoring Report - Quarterly
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	10/07/2004
Action:	Soil and Water Investigation Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	10/25/2001
Action:	CAP/RAP - Other Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	03/26/1984
Action:	Other Report / Document
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	10/24/1997
Action:	Soil and Water Investigation Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	02/03/2005
Action:	Correspondence
Global Id:	T0604100007
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S BEACON (Continued)

S103981649

Date:	03/28/2003
Action:	Correspondence
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	11/30/2000
Action:	Soil and Water Investigation Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	02/27/1995
Action:	Other Report / Document
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	04/27/1995
Action:	Other Report / Document
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	10/24/1996
Action:	Soil and Water Investigation Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	01/21/1993
Action:	Other Report / Document
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	01/12/2007
Action:	Other Report / Document
Global Id:	T0604100007
Action Type:	ENFORCEMENT
Date:	01/04/2007
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100007
Action Type:	ENFORCEMENT
Date:	05/25/2006
Action:	13267 Monitoring Program
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	02/28/2013
Action:	Interim Remedial Action Report
Global Id:	T0604100007
Action Type:	RESPONSE
Date:	03/01/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100007
Action Type:	ENFORCEMENT
Date:	12/08/2006
Action:	Technical Correspondence / Assistance / Other

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S BEACON (Continued)

S103981649

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 03/15/2006
 Action: * Verbal Communication

Global Id: T0604100007
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 03/20/2012
 Action: Staff Letter

Global Id: T0604100007
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 09/08/2010
 Action: Letter - Notice

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 12/14/2007
 Action: CAP/RAP - Other Report

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 04/26/2006
 Action: Interim Remedial Action Plan

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 01/30/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 07/18/2001
 Action: * Historical Enforcement

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 07/06/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604100007
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100007
 Action Type: RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PETER'S BEACON (Continued)

S103981649

Date: 09/01/2008
 Action: Monitoring Report - Quarterly

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 12/11/2003
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 01/07/2004
 Action: Meeting

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 12/19/2003
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 01/02/2004
 Action: Technical Correspondence / Assistance / Other

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 11/29/2011
 Action: Staff Letter

Global Id: T0604100007
 Action Type: RESPONSE
 Date: 04/30/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100007
 Action Type: ENFORCEMENT
 Date: 06/09/2009
 Action: 13267 Monitoring Program

LUST REG 2:

Region: 2
 Facility Id: 21-0007
 Facility Status: Preliminary site assessment underway
 Case Number: 22
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 10/10/1992
 Preliminary Site Assessment Began: 7/9/2001
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S BEACON (Continued)

S103981649

ENF:
 Region: 2
 Facility Id: 250262
 Agency Name: Peter's Beacon
 Place Type: Facility
 Place Subtype: Not reported
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 37.9604339
 Place Longitude: -122.50486
 SIC Code 1: Not reported
 SIC Desc 1: Not reported
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: Not reported
 Threat To Water Quality: Not reported
 Complexity: Not reported
 Pretreatment: Not reported
 Facility Waste Type: Not reported
 Facility Waste Type 2: Not reported
 Facility Waste Type 3: Not reported
 Facility Waste Type 4: Not reported
 Program: TANKS
 # Of Programs: 1
 WDID: 2 21-0007
 Reg Measure Id: 169424
 Reg Measure Type: Unregulated
 Region: 2
 Order #: Not reported
 Npdes# CA#: Not reported
 Major-Minor: Not reported
 Npdes Type: Not reported
 Reclamation: Not reported
 Dredge Fill Fee: Not reported
 301H: Not reported
 Application Fee Amt Received: Not reported
 Status: Active
 Status Date: 06/17/2005
 Effective Date: Not reported
 Expiration/Review Date: Not reported
 Termination Date: Not reported
 WDR Review - Amend: Not reported
 WDR Review - Revise/Renew: Not reported
 WDR Review - Rescind: Not reported
 WDR Review - No Action Required: Not reported
 WDR Review - Pending: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S BEACON (Continued)

S103981649

WDR Review - Planned: Not reported
 Status Enrollee: N
 Individual/General: Not reported
 Fee Code: Not reported
 Direction/Voice: Passive
 Enforcement Id(EID): 237252
 Region: 2
 Order / Resolution Number: UNKNOWN
 Enforcement Action Type: 13267 Letter
 Effective Date: 07/18/2001
 Adoption/Issuance Date: Not reported
 Achieve Date: Not reported
 Termination Date: Not reported
 ACL Issuance Date: Not reported
 EPL Issuance Date: Not reported
 Status: Historical
 Title: Enforcement - 2 21-0007
 Description: Not reported
 Program: TANKS
 Latest Milestone Completion Date: Not reported
 # Of Programs1: 1
 Total Assessment Amount: 0
 Initial Assessed Amount: 0
 Liability \$ Amount: 0
 Project \$ Amount: 0
 Liability \$ Paid: 0
 Project \$ Completed: 0
 Total \$ Paid/Completed Amount: 0

HAZNET:

Year: 2004
 Gepaid: CAL000018271
 Contact: PETER JIZRAWI
 Telephone: 4154573020
 Mailing Name: Not reported
 Mailing Address: 108 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949014815
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.1
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000018271
 Contact: PETER JIZRAWI
 Telephone: 4154573020
 Mailing Name: Not reported
 Mailing Address: 108 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949014815
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Recycler

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

PETER'S BEACON (Continued)

S103981649

Tons: 3.12
 Facility County: Marin

 Year: 2003
 Gepaid: CAL000018271
 Contact: PETER JIZRAWI
 Telephone: 4154573020
 Mailing Name: Not reported
 Mailing Address: 108 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949014815
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.14
 Facility County: Marin

Year: 2003
 Gepaid: CAL000018271
 Contact: PETER JIZRAWI
 Telephone: 4154573020
 Mailing Name: Not reported
 Mailing Address: 108 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949014815
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: Marin
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 12
 Facility County: Marin

Year: 2002
 Gepaid: CAL000018271
 Contact: SAMIR JIZRAWI MANAGER
 Telephone: 4154573020
 Mailing Name: Not reported
 Mailing Address: 108 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949014815
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sonoma
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.04
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 2 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**60 FORMER MOBIL
 981 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE S103991822
 LUST N/A
 HAZNET**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0091

LUST:
 Region: STATE
 Global Id: T0604100088
 Latitude: 37.960203
 Longitude: -122.503825
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/15/2007
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0091
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
 Global Id: T0604100088
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100088
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:
 Global Id: T0604100088
 Action Type: RESPONSE
 Date: 05/11/2007
 Action: Request for Closure

Global Id: T0604100088
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL (Continued)

S103991822

Global Id:	T0604100088
Action Type:	RESPONSE
Date:	04/14/2003
Action:	Correspondence
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	10/01/1992
Action:	Soil and Water Investigation Report
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Conceptual Site Model
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	10/31/1991
Action:	Other Report / Document
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	02/25/1991
Action:	Other Workplan
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	09/13/1990
Action:	Other Workplan
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	09/19/2003
Action:	Other Report / Document
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	10/06/2005
Action:	Other Report / Document
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	08/01/1990
Action:	Conceptual Site Model
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	11/20/1995
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Conceptual Site Model
Global Id:	T0604100088
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL (Continued)

S103991822

Date: 07/10/1990
 Action: Preliminary Site Assessment Workplan

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 12/20/1991
 Action: Soil and Water Investigation Report

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 01/01/1951
 Action: Other Report / Document

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 04/07/1991
 Action: Soil and Water Investigation Report

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 07/02/1991
 Action: Other Workplan

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 01/10/1992
 Action: Tank Removal Workplan

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 07/06/1991
 Action: Other Report / Document

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 02/12/1992
 Action: Other Report / Document

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 05/20/1991
 Action: Other Workplan

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 04/03/2003
 Action: Request for Closure

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 06/10/2003
 Action: Correspondence

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 06/20/1991
 Action: Other Workplan

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL (Continued)

S103991822

Global Id:	T0604100088
Action Type:	RESPONSE
Date:	09/18/1989
Action:	Unauthorized Release Form
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	02/28/1991
Action:	Conceptual Site Model
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	08/14/1990
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	09/17/1990
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	08/09/2005
Action:	Other Workplan
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	04/07/1991
Action:	Soil and Water Investigation Report
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	08/01/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	09/20/1990
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Conceptual Site Model
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Other Report / Document
Global Id:	T0604100088
Action Type:	RESPONSE
Date:	01/01/1951
Action:	Conceptual Site Model
Global Id:	T0604100088
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL (Continued)

S103991822

Date: 09/19/1991
 Action: Monitoring Report - Quarterly

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 12/01/1993
 Action: Other Report / Document

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 07/31/1995
 Action: Other Report / Document

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 01/30/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100088
 Action Type: RESPONSE
 Date: 07/31/2006
 Action: Monitoring Report - Quarterly

Global Id: T0604100088
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100088
 Action Type: ENFORCEMENT
 Date: 01/30/2007
 Action: File review

Global Id: T0604100088
 Action Type: ENFORCEMENT
 Date: 06/15/2007
 Action: Closure/No Further Action Letter

Global Id: T0604100088
 Action Type: ENFORCEMENT
 Date: 08/15/2003
 Action: Staff Letter

Global Id: T0604100088
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100088
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

HAZNET:
 Year: 2003
 Gepaid: CAL000161471

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FORMER MOBIL (Continued)

S103991822

Contact: HAZMAT SPECIALIST
 Telephone: 6027284180
 Mailing Name: Not reported
 Mailing Address: PO BOX 52085
 Mailing City,St,Zip: PHOENIX, AZ 850722085
 Gen County: Marin
 TSD EPA ID: CAD982444481
 TSD County: Marin
 Waste Category: Other organic solids
 Disposal Method: Transfer Station
 Tons: 0.05
 Facility County: Marin

Year: 2003
 Gepaid: CAL000161471
 Contact: HAZMAT SPECIALIST
 Telephone: 6027284180
 Mailing Name: Not reported
 Mailing Address: PO BOX 52085
 Mailing City,St,Zip: PHOENIX, AZ 850722085
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Marin
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Treatment, Tank
 Tons: 0.16
 Facility County: Marin

Year: 2002
 Gepaid: CAL000161471
 Contact: HAZMAT SPECIALIST
 Telephone: 6027284180
 Mailing Name: Not reported
 Mailing Address: PO BOX 52085
 Mailing City,St,Zip: PHOENIX, AZ 850722085
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: San Mateo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Not reported
 Tons: 0.58
 Facility County: Not reported

Year: 2001
 Gepaid: CAL000056387
 Contact: EMILY JOANN DAIGNEAU
 Telephone: 5123807140
 Mailing Name: Not reported
 Mailing Address: 11044 RESEARCH BLVD SUITE B200
 Mailing City,St,Zip: AUSTIN, TX 787592667
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Treatment, Tank
 Tons: 0.95
 Facility County: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

FORMER MOBIL (Continued)

S103991822

Year: 2001
 Gepaid: CAL000161471
 Contact: HAZMAT SPECIALIST
 Telephone: 6027284180
 Mailing Name: Not reported
 Mailing Address: PO BOX 52085
 Mailing City,St,Zip: PHOENIX, AZ 850722085
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Tons: 0.18
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 5 additional CA_HAZNET: record(s) in the EDR Site Report.

60

**FORMER MOBIL
 981 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**LUST S105034848
 N/A**

LUST REG 2:
 Region: 2
 Facility Id: 21-0091
 Facility Status: Preliminary site assessment underway
 Case Number: 18
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 8/5/1986
 Preliminary Site Assesment Began: 9/15/1986
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

61

**LEASED PROPERTY
 10 WOODLAND AVE
 SAN RAFAEL, CA 94901**

**HIST UST U001599945
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000018089
 Facility Type: Other
 Other Type: LEASED PROPERTY
 Total Tanks: 0001
 Contact Name: ??
 Telephone: 4154797068
 Owner Name: M.C. HORRELL
 Owner Address: 37 UNION STONE DR
 Owner City,St,Zip: SAN RAFAEL, CA 94903

 Tank Num: 001

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LEASED PROPERTY (Continued)

U001599945

Container Num: 1
 Year Installed: 1975
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

61

**RAFAEL LUMBER
 930 ANDERSEN DR
 SAN RAFAEL, CA 94901**

**HAZNET S100943146
 N/A**

HAZNET:

Year: 2006
 Gepaid: CAL000121378
 Contact: SHANNON DALY, GEN MGR
 Telephone: 4154533043
 Mailing Name: Not reported
 Mailing Address: PO BOX 3107
 Mailing City,St,Zip: SAN RAFAEL, CA 949123107
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Transfer Station
 Tons: 0.18
 Facility County: Marin

Year: 2005
 Gepaid: CAL000121378
 Contact: SHANNON DALY, GEN MGR
 Telephone: 4154533043
 Mailing Name: Not reported
 Mailing Address: PO BOX 3107
 Mailing City,St,Zip: SAN RAFAEL, CA 949123107
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Treatment, Tank
 Tons: 0.22
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000121378
 Contact: SHANNON DALY, GEN MGR
 Telephone: 4154533043
 Mailing Name: Not reported
 Mailing Address: PO BOX 3107
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Marin
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Treatment, Tank
 Tons: 0.22
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RAFAEL LUMBER (Continued)

S100943146

Year: 2002
 Gepaid: CAL000121378
 Contact: INACTIVE PER VQ96
 Telephone: 4154533043
 Mailing Name: Not reported
 Mailing Address: PO BOX 3107
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Treatment, Tank
 Tons: 1.37
 Facility County: Not reported

Year: 2001
 Gepaid: CAL000121378
 Contact: INACTIVE PER VQ96
 Telephone: 4154533043
 Mailing Name: Not reported
 Mailing Address: PO BOX 3107
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Treatment, Tank
 Tons: 0.22
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 4 additional CA_HAZNET: record(s) in the EDR Site Report.

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**S & S AUTO BODY
 180 GARY PLACE
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000130409
 FINDS CAD053231023
 HAZNET
 EMI**

RCRA-SQG:

Date form received by agency: 09/01/1996
 Facility name: S & S AUTO BODY
 Facility address: 180 GARY PLACE
 SAN RAFAEL, CA 94901
 EPA ID: CAD053231023
 Mailing address: GARY PLACE
 SAN RAFAEL, CA 94901
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

S & S AUTO BODY (Continued)

1000130409

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002649224

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

S & S AUTO BODY (Continued)

1000130409

HAZNET:

Year: 2011
 Gepaid: CAL000311514
 Contact: LUZ LLAMAS
 Telephone: 4154535469
 Mailing Name: Not reported
 Mailing Address: 180 GARY PL
 Mailing City,St,Zip: SAN RAFAEL, CA 949015372
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.2
 Facility County: Marin

Year: 2010
 Gepaid: CAL000311514
 Contact: LUZ LLAMAS
 Telephone: 4154535469
 Mailing Name: Not reported
 Mailing Address: 180 GARY PL
 Mailing City,St,Zip: SAN RAFAEL, CA 949015372
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.6
 Facility County: Marin

Year: 2008
 Gepaid: CAL000311514
 Contact: LUZ LLAMAS
 Telephone: 4154535469
 Mailing Name: Not reported
 Mailing Address: 180 GARY PL
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.15
 Facility County: Marin

Year: 2004
 Gepaid: CAD053231023
 Contact: JOHN SKINNER
 Telephone: 4154535469
 Mailing Name: Not reported
 Mailing Address: 719 LAMONT AVE
 Mailing City,St,Zip: NOVATO, CA 949454155
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified solvent mixture

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

S & S AUTO BODY (Continued)

1000130409

Disposal Method: Recycler
 Tons: 0.16
 Facility County: Not reported

Year: 1993
 Gepaid: CAD053231023
 Contact: Not reported
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 180 GARY PL
 Mailing City,St,Zip: SAN RAFAEL, CA 949015372
 Gen County: Marin
 TSD EPA ID: CAT000613893
 TSD County: Los Angeles
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Not reported
 Tons: .0270
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 1 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 1
 Carbon Monoxide Emissions Tons/Yr: 1
 NOX - Oxides of Nitrogen Tons/Yr: 4
 SOX - Oxides of Sulphur Tons/Yr: 13
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

S & S AUTO BODY (Continued)

1000130409

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 1
 NOX - Oxides of Nitrogen Tons/Yr: 4
 SOX - Oxides of Sulphur Tons/Yr: 16
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 1
 NOX - Oxides of Nitrogen Tons/Yr: 4
 SOX - Oxides of Sulphur Tons/Yr: 16
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

S & S AUTO BODY (Continued)

1000130409

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002
 County Code: 21
 Air Basin: SF
 Facility ID: 5504
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 16016
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2004
 County Code: 21
 Air Basin: SF
 Facility ID: 16016
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.263
 Reactive Organic Gases Tons/Yr: 0.184572
 Carbon Monoxide Emissions Tons/Yr: 0.002

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

S & S AUTO BODY (Continued)

1000130409

NOX - Oxides of Nitrogen Tons/Yr: 0.006
 SOX - Oxides of Sulphur Tons/Yr: 0.022
 Particulate Matter Tons/Yr: 0.001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0.0007

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 16016
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .159
 Reactive Organic Gases Tons/Yr: .1326666
 Carbon Monoxide Emissions Tons/Yr: .002
 NOX - Oxides of Nitrogen Tons/Yr: .008
 SOX - Oxides of Sulphur Tons/Yr: .029
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .0007

Year: 2006
 County Code: 21
 Air Basin: SF
 Facility ID: 16016
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .159
 Reactive Organic Gases Tons/Yr: .1326666
 Carbon Monoxide Emissions Tons/Yr: .002
 NOX - Oxides of Nitrogen Tons/Yr: .008
 SOX - Oxides of Sulphur Tons/Yr: .029
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .0007

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 16016
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .451
 Reactive Organic Gases Tons/Yr: .337466
 Carbon Monoxide Emissions Tons/Yr: .002
 NOX - Oxides of Nitrogen Tons/Yr: .008
 SOX - Oxides of Sulphur Tons/Yr: .03
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smlr Tons/Yr: .0007

Year: 2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

S & S AUTO BODY (Continued)

1000130409

County Code: 21
 Air Basin: SF
 Facility ID: 16016
 Air District Name: BA
 SIC Code: 7532
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .396
 Reactive Organic Gases Tons/Yr: .2960353
 Carbon Monoxide Emissions Tons/Yr: .002
 NOX - Oxides of Nitrogen Tons/Yr: .007
 SOX - Oxides of Sulphur Tons/Yr: .026
 Particulate Matter Tons/Yr: .001
 Part. Matter 10 Micrometers & Smllr Tons/Yr: .0007

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**MARIN SANITARY SERVICE TRANSFER STATION
 1060 ANDERSEN DRIVE
 SAN RAFAEL, CA**

**SWF/LF S102361123
 N/A**

SWF/LF (SWIS):
 Region: STATE
 Facility ID: 21-AA-0005
 Lat/Long: 37.9541600 / -122.50517
 Owner Name: Marin Sanitary Service
 Owner Telephone: 4154562601
 Owner Address: Not reported
 Owner Address2: 1050 Andersen Drive
 Owner City,St,Zip: San Rafael, CA 94901
 Operator: Marin Sanitary Service
 Operator Phone: 4154562601
 Operator Address: Not reported
 Operator Address2: 1050 Andersen Drive
 Operator City,St,Zip: San Rafael, CA 94901
 Operator's Status: Inactive
 Permit Date: 04/07/2004
 Permit Status: Permitted
 Permitted Acreage: Not reported
 Activity: Composting Operation (Research)
 Regulation Status: Permitted
 Landuse Name: Commercial
 GIS Source: Map
 Category: Composting
 Unit Number: 04
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: Not reported
 SWIS Num: 21-AA-0005
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: Not reported
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 50
 Remaining Capacity: Not reported
 Remaining Capacity with Units: Cu Yards/month

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SANITARY SERVICE TRANSFER STATION (Continued)

S102361123

Region: STATE
 Facility ID: 21-AA-0005
 Lat/Long: 37.9541600 / -122.50517
 Owner Name: Marin Sanitary Service
 Owner Telephone: 4154562601
 Owner Address: Not reported
 Owner Address2: 1050 Andersen Drive
 Owner City,St,Zip: San Rafael, CA 94901
 Operator: Marin Sanitary Service
 Operator Phone: 4154562601
 Operator Address: Not reported
 Operator Address2: 1050 Andersen Drive
 Operator City,St,Zip: San Rafael, CA 94901
 Operator's Status: Active
 Permit Date: 04/07/2004
 Permit Status: Permitted
 Permitted Acreage: 8
 Activity: Large Volume Transfer/Proc Facility
 Regulation Status: Permitted
 Landuse Name: Commercial
 GIS Source: Map
 Category: Transfer/Processing
 Unit Number: 01
 Inspection Frequency: Monthly
 Accepted Waste: Construction/demolition,Other designated,Wood waste
 Closure Date: Not reported
 Closure Type: Not reported
 Disposal Acreage: Not reported
 SWIS Num: 21-AA-0005
 Waste Discharge Requirement Num: Not reported
 Program Type: MRF
 Permitted Throughput with Units: 2640
 Actual Throughput with Units: Tons/day
 Permitted Capacity with Units: 2640
 Remaining Capacity: Not reported
 Remaining Capacity with Units: Tons/day

63

**BUDGET RENT A CAR
 20 BELLMAN BLVD
 SAN RAFAEL, CA 94901**

**CA FID UST S101588523
 SWEEPS UST N/A**

CA FID UST:
 Facility ID: 21001772
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: Not reported
 Mail To: Not reported
 Mailing Address: 50 JOHN GLEN DR
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BUDGET RENT A CAR (Continued)

S101588523

Status: Active

SWEEPS UST:
 Status: Active
 Comp Number: 10004
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 01-10-90
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-010004-000001
 Actv Date: 01-10-90
 Capacity: 1
 Tank Use: UNKNOWN
 Stg: P
 Content: UNKNOWN
 Number Of Tanks: 1

**63 MARIN SURPLUS STORE
 49 SIMMS ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599953
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000053874
 Facility Type: Other
 Other Type: RETAIL GENERAL MERCH
 Total Tanks: 0001
 Contact Name: STEPHEN SEIKEL, CONTROLLER
 Telephone: 4154533400
 Owner Name: MAME
 Owner Address: 49 SIMMS ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1979
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

**63 MARIN SURPLUS MARIN OUTDOORS
 49 SIMMS ST
 SAN RAFAEL, CA 94901**

**LUST S104162574
 N/A**

LUST REG 2:
 Region: 2
 Facility Id: 21-0074
 Facility Status: Case Closed
 Case Number: 15
 How Discovered: Tank Closure
 Leak Cause: Structure Failure

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SURPLUS MARIN OUTDOORS (Continued)

S104162574

Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: 2/28/1988
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**MARIN SURPLUS STORE
 49 SIMMS ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599954
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000036488
 Facility Type: Other
 Other Type: RETAIL GENERAL MERCH
 Total Tanks: 0001
 Contact Name: STEPHEN SEIKEL, CONTROLLER
 Telephone: 4154533400
 Owner Name: MAME CALIFORNIA PARTNERSHIP
 Owner Address: 49 SIMMS ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 79
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

63

**MARIN SURPLUS MARIN OUTDOORS
 49 SIMMS ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE S100851630
 LUST N/A**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0074

LUST:
 Region: STATE
 Global Id: T0604100071
 Latitude: 37.95694
 Longitude: -122.506236
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/13/1995
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SURPLUS MARIN OUTDOORS (Continued)

S100851630

RB Case Number: 21-0074
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100071
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100071
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100071
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100071
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100071
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

63

**MARIN SANITARY SERVICE
 1050 ANDERSEN DR
 SAN RAFAEL, CA 94901**

**NPDES S100179397
 HIST CORTESE N/A
 LUST
 Notify 65**

NPDES:

Npdes Number: CAS000001
 Facility Status: Active
 Agency Id: 0
 Region: 2
 Regulatory Measure Id: 182124
 Order No: 97-03-DWQ
 Regulatory Measure Type: Enrollee

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SANITARY SERVICE (Continued)

S100179397

Place Id: Not reported
 WDID: 2 21000154
 Program Type: Industrial
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 02/24/1992
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: Not reported
 Discharge Name: Marin Sanitary Service
 Discharge Address: PO Box 10067
 Discharge City: San Rafael
 Discharge State: California
 Discharge Zip: 94912

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0182

LUST:

Region: STATE
 Global Id: T0604100173
 Latitude: 37.9549737402402
 Longitude: -122.504465281963
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/28/2010
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0182
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Under Investigation
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100173
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100173
 Action Type: ENFORCEMENT
 Date: 01/28/2010
 Action: Closure/No Further Action Letter

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN SANITARY SERVICE (Continued)

S100179397

Global Id:	T0604100173
Action Type:	RESPONSE
Date:	03/23/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100173
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100173
Action Type:	RESPONSE
Date:	07/31/2009
Action:	Soil and Water Investigation Report
Global Id:	T0604100173
Action Type:	ENFORCEMENT
Date:	12/17/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0604100173
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100173
Action Type:	ENFORCEMENT
Date:	12/18/2008
Action:	13267 Requirement
Global Id:	T0604100173
Action Type:	ENFORCEMENT
Date:	10/09/2008
Action:	File review
Global Id:	T0604100173
Action Type:	ENFORCEMENT
Date:	05/14/2009
Action:	13267 Requirement
Global Id:	T0604100173
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100173
Action Type:	ENFORCEMENT
Date:	07/22/2009
Action:	File review

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SANITARY SERVICE (Continued)

S100179397

Incident Description: 92691

63

**MARIN SANITARY SERVICE
 1050 ANDERSEN DRIVE
 SAN RAFAEL, CA 94901**

**UST U003782139
 N/A**

UST:

Facility ID: 300104
 Latitude: 37.95813
 Longitude: -122.50838

MARIN CO. UST:

Facility Id: 30-0104

 Tank Number: 000001
 Tank Status: Change of Information
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: 05377
 Last Inspected: 4/16/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000002
 Tank Status: Change of Information
 Tank Contents: Diesel
 Tank Use: Motor vehicle fueling
 Certificate Number: 05377
 Last Inspected: 4/16/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: Change of Information
 Tank Contents: Diesel
 Tank Use: Motor vehicle fueling
 Certificate Number: 05377
 Last Inspected: 4/16/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

63 **1050 ANDERSEN DRIVE** **AST** **A100336663**
SAN RAFAEL, CA 94901 **N/A**

AST:
 Owner: Marin Sanitary Service
 Total Gallons: 20,950
 Certified Unified Program Agencies: Marin

63 **MARIN SAN SERV INC** **RCRA NonGen / NLR** **1000255498**
1050 ANDERSON ST **FINDS** **CAD046533493**
SAN RAFAEL, CA 94901 **WDS**
LUST
CA FID UST
HIST UST
SWEEPS UST
HAZNET

RCRA NonGen / NLR:
 Date form received by agency: 08/18/1980
 Facility name: MARIN SAN SERV INC
 Facility address: 1050 ANDERSON ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD046533493
 Mailing address: POST BOX SECOND THOUSAND SECON
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 1050 ANDERSON ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-2601
 Contact email: Not reported
 EPA Region: 09
 Land type: Other land type
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
 Owner/operator name: MARIN SANITARY SERVICE INC
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SAN SERV INC (Continued)

1000255498

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: Yes
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/17/1999
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/14/1985
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

FINDS:

Registry ID: 110002646600

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA WDS:

Facility ID: San Francisco Bay 211000154
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SAN SERV INC (Continued)

1000255498

repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 2

Facility Telephone: 4154562601

Facility Contact: JOE GARBARINO

Agency Name: MARIN SANITARY SER

Agency Address: PO Box 10067

Agency City,St,Zip: San Rafael 949120067

Agency Contact: JOE GARBARINO JR

Agency Telephone: 4154562601

Agency Type: Private

SIC Code: 0

SIC Code 2: Not reported

Primary Waste: Not reported

Primary Waste Type: Not reported

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: Not reported

POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

LUST REG 2:

Region: 2

Facility Id: 21-0182

Facility Status: Leak being confirmed

Case Number: 14

How Discovered: Tank Closure

Leak Cause: Structure Failure

Leak Source: Tank

Date Leak Confirmed: 1/2/1965

Oversight Program: LUST

Prelim. Site Assesment Wokplan Submitted: Not reported

Preliminary Site Assesment Began: Not reported

Pollution Characterization Began: Not reported

Pollution Remediation Plan Submitted: Not reported

Date Remediation Action Underway: Not reported

Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN SAN SERV INC (Continued)

1000255498

Facility ID: 21000178
 Regulated By: UTNKA
 Regulated ID: 00057083
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154562601
 Mail To: Not reported
 Mailing Address: P O BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

HIST UST:

Region: STATE
 Facility ID: 00000066044
 Facility Type: Other
 Other Type: SANITATION
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154562601
 Owner Name: MARIN SANITARY SERVICE INC
 Owner Address: 1050 ANDERSEN DRIVE
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: #3
 Year Installed: 1976
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: 5K
 Tank Construction: Unkown inches
 Leak Detection: Pressure Test

Tank Num: 001
 Container Num: #2
 Year Installed: 1976
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Pressure Test

Tank Num: 002
 Container Num: #1
 Year Installed: 1976
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Pressure Test

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN SAN SERV INC (Continued)

1000255498

Tank Num: 003
 Container Num: T-1
 Year Installed: 1981
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Pressure Test

SWEEPS UST:

Status: Active
 Comp Number: 57083
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: #2
 Swrcb Tank Id: 21-028-057083-000001
 Actv Date: 06-18-91
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 3

Status: Active
 Comp Number: 57083
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-057083-000002
 Actv Date: 06-18-91
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 57083
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-057083-000003
 Actv Date: 06-18-91
 Capacity: 10000
 Tank Use: M.V. FUEL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SAN SERV INC (Continued)

1000255498

Stg: P
 Content: DIESEL
 Number Of Tanks: Not reported

HAZNET:

Year: 2011
 Gepaid: CAD046533493
 Contact: RON PIOMBO
 Telephone: 4154582601
 Mailing Name: Not reported
 Mailing Address: PO BOX 10067
 Mailing City,St,Zip: SAN RAFAEL, CA 949122248
 Gen County: Not reported
 TSD EPA ID: CAD097030993
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 2.175
 Facility County: Marin

Year: 2010
 Gepaid: CAD046533493
 Contact: RON PIOMBO
 Telephone: 4154582601
 Mailing Name: Not reported
 Mailing Address: PO BOX 10067
 Mailing City,St,Zip: SAN RAFAEL, CA 949122248
 Gen County: Not reported
 TSD EPA ID: CAT000646117
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 0.3
 Facility County: Marin

Year: 2010
 Gepaid: CAD046533493
 Contact: RON PIOMBO
 Telephone: 4154582601
 Mailing Name: Not reported
 Mailing Address: PO BOX 10067
 Mailing City,St,Zip: SAN RAFAEL, CA 949122248
 Gen County: Not reported
 TSD EPA ID: CAD097030993
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.125
 Facility County: Marin

Year: 2010
 Gepaid: CAD046533493
 Contact: RON PIOMBO
 Telephone: 4154582601

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SAN SERV INC (Continued)

1000255498

Mailing Name: Not reported
 Mailing Address: PO BOX 10067
 Mailing City,St,Zip: SAN RAFAEL, CA 949122248
 Gen County: Not reported
 TSD EPA ID: CAT000646117
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
 Tons: 0.35
 Facility County: Marin

Year: 2010
 Gepaid: CAD046533493
 Contact: RON PIOMBO
 Telephone: 4154582601
 Mailing Name: Not reported
 Mailing Address: PO BOX 10067
 Mailing City,St,Zip: SAN RAFAEL, CA 949122248
 Gen County: Not reported
 TSD EPA ID: CAD097030993
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.3
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 28 additional CA_HAZNET: record(s) in the EDR Site Report.

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**VIACOM CABLEVISION
 1111 ANDERSON DR
 SAN RAFAEL, CA 94901**

**CA FID UST S101588481
 N/A**

CA FID UST:
 Facility ID: 21000180
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154595333
 Mail To: Not reported
 Mailing Address: 960 5TH AVE
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

MAP FINDINGS

Map ID Direction EDR ID Number
 Distance Database(s) EPA ID Number
 Distance (ft.)Site

63 SONNEN AUTOBODY RCRA-SQG 1000429709
 10 BELLAM BLVD FINDS CAD982000671
 SAN RAFAEL, CA 94901 HIST UST
 HAZNET

RCRA-SQG:

Date form received by agency: 03/25/1991
 Facility name: SONNEN AUTOBODY
 Facility address: 10 BELLAM BLVD
 SAN RAFAEL, CA 94901
 EPA ID: CAD982000671
 Mailing address: BELLAM BLVD
 SAN RAFAEL, CA 94901
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 10 BELLAM BLVD
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 721-1129
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PETER SONNEN
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SONNEN AUTOBODY (Continued)

1000429709

Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110001168343

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

Region: STATE
 Facility ID: 00000060400
 Facility Type: Other
 Other Type: BODY SHOP
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154537353
 Owner Name: STEVE SNYDER CHEVROLET, INC.
 Owner Address: 10 BELLAM
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: 06
 Tank Construction: Not reported
 Leak Detection: None

HAZNET:

Year: 1996
 Gepaid: CAD982000671
 Contact: SONNEN AUTOBODY
 Telephone: 4157211129
 Mailing Name: Not reported
 Mailing Address: 10 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015312
 Gen County: Marin
 TSD EPA ID: CAT000613950
 TSD County: Sacramento
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .0360

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SONNEN AUTOBODY (Continued)

1000429709

Facility County: Marin

Year: 1996
 Gepaid: CAD982000671
 Contact: SONNEN AUTOBODY
 Telephone: 4157211129
 Mailing Name: Not reported
 Mailing Address: 10 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015312
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified solvent mixture
 Disposal Method: Recycler
 Tons: .5295
 Facility County: Marin

Year: 1995
 Gepaid: CAD982000671
 Contact: SONNEN AUTOBODY
 Telephone: 4157211129
 Mailing Name: Not reported
 Mailing Address: 10 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015312
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified solvent mixture
 Disposal Method: Recycler
 Tons: 1.6261
 Facility County: Marin

Year: 1995
 Gepaid: CAD982000671
 Contact: SONNEN AUTOBODY
 Telephone: 4157211129
 Mailing Name: Not reported
 Mailing Address: 10 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015312
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified solvent mixture
 Disposal Method: Not reported
 Tons: .1668
 Facility County: Marin

Year: 1995
 Gepaid: CAD982000671
 Contact: SONNEN AUTOBODY
 Telephone: 4157211129
 Mailing Name: Not reported
 Mailing Address: 10 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015312
 Gen County: Marin
 TSD EPA ID: CAT000613950
 TSD County: Sacramento

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SONNEN AUTOBODY (Continued)

1000429709

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Transfer Station
 Tons: .1620
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 9 additional CA_HAZNET: record(s) in the EDR Site Report.

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**BELLAM MINI STORAGE
 24 BELLAM BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE S100856290
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0335

LUST:

Region: STATE
 Global Id: T0604100317
 Latitude: 37.95854
 Longitude: -122.506354
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 08/05/1998
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0335
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100317
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100317
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

BELLAM MINI STORAGE (Continued)

S100856290

LUST:

Global Id: T0604100317
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100317
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100317
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0335
 Facility Status: Case Closed
 Case Number: 21-0335
 How Discovered: Tank Closure
 Leak Cause: Overfill
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

63 **R. JENNINGS, GROUSE CK RANCH**
20 BELLAM BLVD.
SAN RAFAEL, CA 94901

UST U003879861
 N/A

UST:

Facility ID: 300355
 Latitude: 37.95849
 Longitude: -122.50782

63 **R,L,J, INC.**
20-A BELLAM BLVD
SAN RAFAEL, CA 94901

HIST UST U001599968
 N/A

HIST UST:

Region: STATE
 Facility ID: 00000002155
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0007
 Contact Name: Not reported
 Telephone: 4154799429

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

R,L,J, INC. (Continued)

U001599968

Owner Name: R,L,J, INC.
 Owner Address: 611 TANBARK TERRACE
 Owner City,St,Zip: SAN RAFAEL, CA 94903

Tank Num: 001
 Container Num: 1
 Year Installed: 1965
 Tank Capacity: 00000500
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 2
 Year Installed: 1965
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 3
 Year Installed: 1970
 Tank Capacity: 00001000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: 4
 Year Installed: 1970
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 005
 Container Num: 5
 Year Installed: 1970
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 006
 Container Num: 6
 Year Installed: 1965
 Tank Capacity: 00003000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

R,L,J, INC. (Continued)

U001599968

Tank Num: 007
 Container Num: 7
 Year Installed: 1965
 Tank Capacity: 00004000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

63

**RICHARD JENNINGS
 20 BELLAM BLVD
 SAN RAFAEL, CA 94901**

**LUST S103984360
 HAZNET N/A**

LUST REG 2:

Region: 2
 Facility Id: 21-0119
 Facility Status: Case Closed
 Case Number: 21
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 11/17/1986
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 1998
 Gepaid: CAC001393536
 Contact: RICHARD JENNINGS
 Telephone: 5102439500
 Mailing Name: Not reported
 Mailing Address: 20 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 7.4351
 Facility County: Marin

Year: 1998
 Gepaid: CAC001393536
 Contact: RICHARD JENNINGS
 Telephone: 5102439500
 Mailing Name: Not reported
 Mailing Address: 20 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RICHARD JENNINGS (Continued)

S103984360

Disposal Method: Recycler
 Tons: 1.5000
 Facility County: Marin

 Year: 1998
 Gepaid: CAC001393536
 Contact: RICHARD JENNINGS
 Telephone: 5102439500
 Mailing Name: Not reported
 Mailing Address: 20 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 1.6680
 Facility County: Marin

63

**RLJ INCORPORATION
 20 BELLAM BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST**

**S102435607
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0119

LUST:

Region: STATE
 Global Id: T0604100112
 Latitude: 37.95821
 Longitude: -122.506033
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/17/1998
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0119
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100112
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RLJ INCORPORATION (Continued)

S102435607

Global Id: T0604100112
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100112
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100112
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100112
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

**63 GOLDEN GATETRANSIT.
 1011 ANDERSEN DRIVE
 SAN RAFAEL, CA 94901**

**AST A100323883
 N/A**

AST:
 Owner: GOLDEN GATE BRIDGE DIST.
 Total Gallons: 10,100
 Certified Unified Program Agencies: Marin

**63 SAN RAFAEL BUS FACILITY
 1011 ANDERSEN DR
 SAN RAFAEL, CA 94901**

**CA FID UST S101588526
 SWEEPS UST N/A**

CA FID UST:
 Facility ID: 21001781
 Regulated By: UTNKA
 Regulated ID: 00030046
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154573110
 Mail To: Not reported
 Mailing Address: PRESIDIO STA PO BOX
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL BUS FACILITY (Continued)

S101588526

Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 30046
 Number: 7
 Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: DFT-1-D1
 Swrcb Tank Id: 21-028-030046-000001
 Actv Date: 06-20-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: 6

Status: Active
 Comp Number: 30046
 Number: 7
 Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: DFT-2-D1
 Swrcb Tank Id: 21-028-030046-000002
 Actv Date: 06-21-91
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 30046
 Number: 7
 Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: MFT-1-D1
 Swrcb Tank Id: 21-028-030046-000003
 Actv Date: 07-01-85
 Capacity: 12000
 Tank Use: UNKNOWN
 Stg: P
 Content: METHANOL
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 30046
 Number: 7

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL BUS FACILITY (Continued)

S101588526

Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: GR-2-D1
 Swrcb Tank Id: 21-028-030046-000005
 Actv Date: 06-21-91
 Capacity: 6000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 30046
 Number: 7
 Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: NO-2
 Swrcb Tank Id: 21-028-030046-000006
 Actv Date: 04-01-92
 Capacity: 20000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 30046
 Number: 7
 Board Of Equalization: Not reported
 Referral Date: 04-01-92
 Action Date: 04-01-92
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: NO-3
 Swrcb Tank Id: 21-028-030046-000007
 Actv Date: 04-01-92
 Capacity: 20000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

63	GOLDEN GATE TRANSIT 1011 ANDERSON ST SAN RAFAEL, CA 94901	RCRA-SQG FINDS NPDES WDS HIST CORTESE LUST UST HIST UST Notify 65 HAZNET EMI US AIRS	1000186996 CAD071880504
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RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: GOLDEN GATE TRANSIT

Facility address: 1011 ANDERSON ST
SAN RAFAEL, CA 94901

EPA ID: CAD071880504

Mailing address: PO BOX 3474
SAN RAFAEL, CA 94912

Contact: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GOLDEN GATE BRIDGE DISTRICT

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
 Facility name: GOLDEN GATE TRANSIT
 Classification: Small Quantity Generator

Date form received by agency: 08/03/1982
 Facility name: GOLDEN GATE TRANSIT
 Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
 Area of violation: Generators - General
 Date violation determined: 02/14/1985
 Date achieved compliance: 03/20/1985
 Violation lead agency: State
 Enforcement action: WRITTEN INFORMAL
 Enforcement action date: 02/14/1985
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: State
 Proposed penalty amount: 0
 Final penalty amount: 0
 Paid penalty amount: 0

Evaluation Action Summary:

Evaluation date: 06/26/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/20/1985
 Evaluation: COMPLIANCE SCHEDULE EVALUATION
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

Evaluation date: 02/14/1985
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Date achieved compliance: 03/20/1985
 Evaluation lead agency: State

FINDS:

Registry ID: 110001174345

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

NPDES:

Npdes Number: CAS000001
 Facility Status: Active
 Agency Id: 0
 Region: 2
 Regulatory Measure Id: 182147
 Order No: 97-03-DWQ
 Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 2 211010665
 Program Type: Industrial
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 10/15/1993
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: Not reported
 Discharge Name: Golden Gate Bridge District
 Discharge Address: 1011 Anderson Dr
 Discharge City: San Rafael

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Discharge State: California
 Discharge Zip: 94901

CA WDS:

Facility ID: San Francisco Bay 211010665
 Facility Type: Not reported
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 2
 Facility Telephone: Not reported
 Facility Contact: Not reported
 Agency Name: GOLDEN GATE BRIDGE
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Not reported
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0056

LUST:

Region: STATE
 Global Id: T0604100054
 Latitude: 37.9586896
 Longitude: -122.5090028
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/12/2006

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0056
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Diesel
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100054
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100054
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100054
 Action Type: ENFORCEMENT
 Date: 12/12/2006
 Action: Closure/No Further Action Letter

Global Id: T0604100054
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 10/18/2004
 Action: Correspondence

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 04/02/2002
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 02/18/1993
 Action: Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Global Id:	T0604100054
Action Type:	RESPONSE
Date:	06/23/1992
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	11/30/1990
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/12/1993
Action:	Remedial Progress Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/18/2004
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/20/1993
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/16/1994
Action:	Other Workplan
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/16/1996
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/15/1994
Action:	Monitoring Report - Quarterly
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	11/30/2004
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	02/16/1996
Action:	Monitoring Report - Quarterly
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/15/1991
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Date: 10/16/1990
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 03/23/1994
 Action: Correspondence

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 02/15/1990
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 01/17/1990
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 05/06/1996
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 03/04/1993
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 08/28/1996
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 12/31/1987
 Action: Correspondence

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 04/29/1988
 Action: Correspondence

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 01/06/1988
 Action: Correspondence

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 08/03/1990
 Action: Correspondence

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 09/14/1988
 Action: Correspondence

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/21/1993
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	04/27/1990
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	08/29/1994
Action:	Monitoring Report - Other
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	08/04/1992
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/19/1993
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	09/28/1993
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/14/1987
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	11/14/1991
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/25/1994
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/04/1990
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/11/1991
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Date:	04/04/1990
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/16/1990
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/06/1996
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	09/09/1988
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	07/01/1984
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/10/1988
Action:	Unauthorized Release Form
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/18/1992
Action:	Unauthorized Release Form
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	09/07/1993
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	07/07/1992
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	06/23/1993
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	01/03/1989
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/06/1994
Action:	Correspondence

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Global Id:	T0604100054
Action Type:	RESPONSE
Date:	09/13/1993
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/15/1991
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	02/12/1992
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	06/11/1991
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	04/29/1993
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	08/05/1991
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/29/1990
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	07/21/1993
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/18/1989
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	11/16/1994
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/18/1994
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Date:	10/29/1990
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/18/2003
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/05/1992
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	08/28/1991
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/30/1990
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	04/21/1989
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/23/1991
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	02/05/1988
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/23/1993
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	07/10/1990
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	07/08/1993
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/09/1987
Action:	Other Report / Document

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Global Id:	T0604100054
Action Type:	RESPONSE
Date:	08/26/1988
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	02/22/1993
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/27/1972
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	02/25/1992
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/28/1992
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	04/06/1990
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	09/22/1994
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	11/19/1990
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/17/1992
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/30/1990
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	05/03/1991
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Date:	09/24/1991
Action:	Other Workplan
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	04/08/1992
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/04/1988
Action:	Unauthorized Release Form
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	10/27/1989
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	06/05/1992
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/05/1989
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	11/19/1990
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	01/13/1989
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/25/1991
Action:	Other Report / Document
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	09/20/1993
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	03/28/1991
Action:	Correspondence
Global Id:	T0604100054
Action Type:	RESPONSE
Date:	12/06/1991
Action:	Correspondence

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Global Id: T0604100054
 Action Type: RESPONSE
 Date: 05/31/1996
 Action: Other Report / Document

Global Id: T0604100054
 Action Type: ENFORCEMENT
 Date: 06/23/2010
 Action: Referral to Other State Agency

Global Id: T0604100054
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100054
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0056
 Facility Status: Pollution Characterization
 Case Number: 21-0056
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 3/20/1996
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

UST:

Facility ID: 300378
 Latitude: 37.95866
 Longitude: -122.50896

MARIN CO. UST:

Facility Id: 30-0378
 Tank Number: 000001
 Tank Status: Change of Information
 Tank Contents: Diesel
 Tank Use: Motor vehicle fueling
 Certificate Number: 05371
 Last Inspected: 4/30/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Tank Number: 000002
 Tank Status: Change of Information
 Tank Contents: Diesel
 Tank Use: Motor vehicle fueling
 Certificate Number: 05371
 Last Inspected: 4/30/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000003
 Tank Status: Change of Information
 Tank Contents: Diesel
 Tank Use: Motor vehicle fueling
 Certificate Number: 05371
 Last Inspected: 4/30/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

Tank Number: 000004
 Tank Status: UST Removal
 Tank Contents: Regular unleaded
 Tank Use: Motor vehicle fueling
 Certificate Number: 05371
 Last Inspected: 4/30/2008
 Program: Not reported
 Location: Not reported
 Pulled Date: Not reported
 Reason: Not reported

HIST UST:

Region: STATE
 Facility ID: 00000030046
 Facility Type: Other
 Other Type: BUS MAINTENANCE FAC.
 Total Tanks: 0011
 Contact Name: ANGELO LEONE
 Telephone: 4154573110
 Owner Name: GOLDEN GATE BRIDGE HIGHWAY AND
 Owner Address: GOLDEN GATE BRIDGE-TOLL PLAZA
 Owner City,St,Zip: SAN FRANCISCO, CA 94129

Tank Num: 001
 Container Num: DFT-1-D1
 Year Installed: 1972
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: .25 inches
 Leak Detection: Stock Inventor

Tank Num: 002

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Container Num: DFT-2-D1
 Year Installed: 1972
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: .25 inches
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: MFT-1-D1
 Year Installed: 1982
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: .25 inches
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: GT-1-D1
 Year Installed: 1972
 Tank Capacity: 00002000
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Tank Construction: .25 inches
 Leak Detection: None

Tank Num: 005
 Container Num: GR-2-D1
 Year Installed: 1983
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: .25 inches
 Leak Detection: Stock Inventor

Tank Num: 006
 Container Num: DOT-1-D1
 Year Installed: 1972
 Tank Capacity: 00002000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: .25 inches
 Leak Detection: Sensor Instrument

Tank Num: 007
 Container Num: WOT-1-D1
 Year Installed: 1972
 Tank Capacity: 00008000
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: .25 inches
 Leak Detection: Sensor Instrument

Tank Num: 008
 Container Num: OWS-1-D1
 Year Installed: 1972
 Tank Capacity: 00000200

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 4 inches
 Leak Detection: Visual

Tank Num: 009
 Container Num: OWS-2-D1
 Year Installed: 1972
 Tank Capacity: 00000200
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 4 inches
 Leak Detection: Visual

Tank Num: 010
 Container Num: HPOS-1-D1
 Year Installed: 1972
 Tank Capacity: 00000100
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 4 inches
 Leak Detection: Visual

Tank Num: 011
 Container Num: HPOS-2-D1
 Year Installed: 1972
 Tank Capacity: 00000100
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 4 inches
 Leak Detection: Visual

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

HAZNET:

Year: 2011
 Gepaid: CAD071880504
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.5
 Facility County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Year: 2011
 Gepaid: CAD071880504
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.15
 Facility County: Marin

Year: 2011
 Gepaid: CAD071880504
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Oil/water separation sludge
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.417
 Facility County: Marin

Year: 2011
 Gepaid: CAD071880504
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.309
 Facility County: Marin

Year: 2011
 Gepaid: CAD071880504
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 1011 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Not reported
 TSD EPA ID: CAD059494310

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

TSD County: Not reported
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.225
 Facility County: Marin

Click this hyperlink while viewing on your computer to access
 127 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1993
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 1
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 1
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 1
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2002
 County Code: 21
 Air Basin: SF
 Facility ID: 1793
 Air District Name: BA
 SIC Code: 4111
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 1
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 12572
 Air District Name: BA
 SIC Code: 5511
 Air District Name: BAY AREA AQMD

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2003
County Code:	21
Air Basin:	SF
Facility ID:	1793
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2004
County Code:	21
Air Basin:	SF
Facility ID:	1793
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.072
Reactive Organic Gases Tons/Yr:	0.0677265
Carbon Monoxide Emissions Tons/Yr:	0.012
NOX - Oxides of Nitrogen Tons/Yr:	0.128
SOX - Oxides of Sulphur Tons/Yr:	0.003
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0.000976
Year:	2005
County Code:	21
Air Basin:	SF
Facility ID:	1793
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.072
Reactive Organic Gases Tons/Yr:	.0677265
Carbon Monoxide Emissions Tons/Yr:	.012
NOX - Oxides of Nitrogen Tons/Yr:	.128

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.000976
Year:	2006
County Code:	21
Air Basin:	SF
Facility ID:	1793
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.066
Reactive Organic Gases Tons/Yr:	.0618379
Carbon Monoxide Emissions Tons/Yr:	.084
NOX - Oxides of Nitrogen Tons/Yr:	.38
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.008
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.004994
Year:	2007
County Code:	21
Air Basin:	SF
Facility ID:	1793
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.025
Reactive Organic Gases Tons/Yr:	.0208183
Carbon Monoxide Emissions Tons/Yr:	.095
NOX - Oxides of Nitrogen Tons/Yr:	.543
SOX - Oxides of Sulphur Tons/Yr:	.001
Particulate Matter Tons/Yr:	.008
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.005396
Year:	2007
County Code:	21
Air Basin:	SF
Facility ID:	1793
Air District Name:	BA
SIC Code:	4111
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.02
Reactive Organic Gases Tons/Yr:	.0166596
Carbon Monoxide Emissions Tons/Yr:	.095
NOX - Oxides of Nitrogen Tons/Yr:	.543
SOX - Oxides of Sulphur Tons/Yr:	.001
Particulate Matter Tons/Yr:	.008
Part. Matter 10 Micrometers & Smlr Tons/Yr:	.005396

AIRS (AFS):

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GOLDEN GATE TRANSIT (Continued)

1000186996

Airs Minor Details:

EPA plant ID: 110001174345
 Plant name: GOLDEN GATE TRANSIT
 Plant address: 1011 ANDERSON DR
 SAN RAFAEL, CA 94901
 County: MARIN
 Region code: 09
 Dunn & Bradst #: Not reported
 Air quality cntrl region: 030
 Sic code: 9999
 Sic code desc: NONCLASSIFIABLE ESTABLISHMENTS
 North Am. industrial classf: 485999
 NAIC code description: All Other Transit and Ground Passenger Transportation
 Default compliance status: IN COMPLIANCE - INSPECTION
 Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
 Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR
 LOCAL GOVERNMENT
 Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 0901
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 0903
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 0904
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1001
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1002
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1003
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1004
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1101
 Air prog code hist file: 4
 State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1102
 Air prog code hist file: 4

MAP FINDINGS

Map ID
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EDR ID Number
 EPA ID Number

Database(s)

GOLDEN GATE TRANSIT (Continued)

1000186996

State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1103
 Air prog code hist file: 4

State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 1104
 Air prog code hist file: 4

State compliance status: IN COMPLIANCE - INSPECTION
 Hist compliance date: 0902
 Air prog code hist file: 4

Compliance & Violation Data by Minor Sources:

Air program code: CFC TRACKING
 Plant air program pollutant: CHLOROFLUOROCARBONS
 Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
 Def. poll. compliance status: IN COMPLIANCE - INSPECTION
 Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
 Repeat violator date: Not reported
 Turnover compliance: Not reported

**63 VEHICLE MAINTENANCE FACILITY
 40 BELLAM BLVD
 SAN RAFAEL, CA 94901**

**CA FID UST S101630399
 N/A**

CA FID UST:
 Facility ID: 21000223
 Regulated By: UTNKI
 Regulated ID: 00067390
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154570305
 Mail To: Not reported
 Mailing Address: 40 BELLAM BLVD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 949019991
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

**63 VEHICLE MAINTENANCE FACILITY
 40 BELLAM BLVD
 SAN RAFAEL, CA 94901**

**HIST UST U001599994
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000067390
 Facility Type: Other
 Other Type: AUTO REPAIR FACILITY
 Total Tanks: 0005
 Contact Name: T. HERRON
 Telephone: 4154570305

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VEHICLE MAINTENANCE FACILITY (Continued)

U001599994

Owner Name: UNITED STATES POSTAL SERVICE
 Owner Address: 40 BELLAM BLVD.
 Owner City,St,Zip: SAN RAFAEL, CA 949019991

Tank Num: 001
 Container Num: 05
 Year Installed: 1969
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: 5
 Tank Construction: Unkown centimeters
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 01
 Year Installed: 1969
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 02
 Year Installed: 1969
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: 03
 Year Installed: 1969
 Tank Capacity: 00000500
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

Tank Num: 005
 Container Num: 04
 Year Installed: 1969
 Tank Capacity: 00000500
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

63 VEHICLE MAINTENANCE FACILITY/U S P O
 40 BELLAM BLVD
 SAN RAFAEL, CA 94901

WDS S100947643
 NPDES N/A
 HIST CORTESE
 LUST
 SWEEPS UST
 HAZNET

CA WDS:

Facility ID: San Francisco Bay 211006116
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 2
 Facility Telephone: 4154571414
 Facility Contact: MANAGER VMF
 Agency Name: US POSTAL SER
 Agency Address: 40 Bellam Blvd
 Agency City,St,Zip: San Rafael 949015333
 Agency Contact: MANAGER VMF
 Agency Telephone: 4154571414
 Agency Type: ?
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

NPDES:

Npdes Number: CAS000001
 Facility Status: Active
 Agency Id: 0
 Region: 2
 Regulatory Measure Id: 182142
 Order No: 97-03-DWQ
 Regulatory Measure Type: Enrollee

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VEHICLE MAINTENANCE FACILITY/USPO (Continued)

S100947643

Place Id: Not reported
 WDID: 2 21006116
 Program Type: Industrial
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 04/21/1992
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: Not reported
 Discharge Name: US Postal Service
 Discharge Address: 40 Bellam Blvd
 Discharge City: San Rafael
 Discharge State: California
 Discharge Zip: 94901

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0251

LUST:

Region: STATE
 Global Id: T0604100236
 Latitude: 37.95847
 Longitude: -122.505613
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 04/14/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0251
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: 2008 confirmation investigation- all looks good, to be closed

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100236
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100236
 Action Type: ENFORCEMENT
 Date: 01/18/2008
 Action: 13267 Requirement

 Global Id: T0604100236

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VEHICLE MAINTENANCE FACILITY/U S P O (Continued)

S100947643

Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100236
Action Type:	RESPONSE
Date:	07/09/1996
Action:	Site Assessment Report
Global Id:	T0604100236
Action Type:	RESPONSE
Date:	03/07/1996
Action:	Preliminary Site Assessment Workplan
Global Id:	T0604100236
Action Type:	RESPONSE
Date:	11/26/1991
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100236
Action Type:	RESPONSE
Date:	07/09/1996
Action:	Preliminary Site Assessment Workplan - Addendum
Global Id:	T0604100236
Action Type:	ENFORCEMENT
Date:	10/23/2007
Action:	Meeting
Global Id:	T0604100236
Action Type:	ENFORCEMENT
Date:	02/19/2008
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100236
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100236
Action Type:	RESPONSE
Date:	01/04/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100236
Action Type:	ENFORCEMENT
Date:	10/25/2007
Action:	13267 Requirement
Global Id:	T0604100236
Action Type:	ENFORCEMENT
Date:	04/14/2009
Action:	Closure/No Further Action Letter
Global Id:	T0604100236
Action Type:	ENFORCEMENT
Date:	03/04/2009

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VEHICLE MAINTENANCE FACILITY/USPO (Continued)

S100947643

Action: Notification - Fee Title Owners Notice

Global Id: T0604100236
 Action Type: RESPONSE
 Date: 07/11/2008
 Action: Soil and Water Investigation Report

Global Id: T0604100236
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0251
 Facility Status: Preliminary site assessment workplan submitted
 Case Number: 21-13
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 1/3/1995
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
 Comp Number: 67390
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-067390-000001
 Actv Date: Not reported
 Capacity: 500
 Tank Use: OIL
 Stg: WASTE
 Content: WASTE OIL
 Number Of Tanks: 5

Status: Not reported
 Comp Number: 67390
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VEHICLE MAINTENANCE FACILITY/U S P O (Continued)

S100947643

Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-067390-000002
 Actv Date: Not reported
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 67390
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-067390-000003
 Actv Date: Not reported
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 67390
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-067390-000004
 Actv Date: Not reported
 Capacity: 500
 Tank Use: UNKNOWN
 Stg: PRODUCT
 Content: Not reported
 Number Of Tanks: Not reported

Status: Not reported
 Comp Number: 67390
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-067390-000005
 Actv Date: Not reported
 Capacity: 500
 Tank Use: UNKNOWN
 Stg: PRODUCT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VEHICLE MAINTENANCE FACILITY/U S P O (Continued)

S100947643

Content: Not reported
 Number Of Tanks: Not reported

HAZNET:

Year: 2011
 Gepaid: CAD981386741
 Contact: GREGORY LAWRENCE MANAGER
 Telephone: 4154579015
 Mailing Name: Not reported
 Mailing Address: 40 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949019992
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.275
 Facility County: Marin

Year: 2010
 Gepaid: CAD981386741
 Contact: GREGORY LAWRENCE MANAGER
 Telephone: 4154579015
 Mailing Name: Not reported
 Mailing Address: 40 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949019992
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.05
 Facility County: Marin

Year: 2010
 Gepaid: CAD981386741
 Contact: GREGORY LAWRENCE MANAGER
 Telephone: 4154579015
 Mailing Name: Not reported
 Mailing Address: 40 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949019992
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.05
 Facility County: Marin

Year: 2010
 Gepaid: CAD981386741
 Contact: GREGORY LAWRENCE MANAGER
 Telephone: 4154579015
 Mailing Name: Not reported
 Mailing Address: 40 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949019992
 Gen County: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VEHICLE MAINTENANCE FACILITY/U S P O (Continued)

S100947643

TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.0625
 Facility County: Marin

Year: 2009
 Gepaid: CAD981386741
 Contact: SHERRY BUCHAN VMF MANAGER
 Telephone: 4154579015
 Mailing Name: Not reported
 Mailing Address: 40 BELLAM BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949019992
 Gen County: Marin
 TSD EPA ID: TXD077603371
 TSD County: 99
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.0375
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 74 additional CA_HAZNET: record(s) in the EDR Site Report.

63

**EUROPEAN CAR SERVICE
 38 GARY PL
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000819581
 FINDS CAD983655739
 HAZNET**

RCRA-SQG:

Date form received by agency: 12/18/1992
 Facility name: EUROPEAN CAR SERVICE
 Facility address: 38 GARY PL
 SAN RAFAEL, CA 94901

EPA ID: CAD983655739
 Mailing address: GARY PL
 SAN RAFAEL, CA 94901

Contact: DAVID WAGY
 Contact address: 38 GARY PL
 SAN RAFAEL, CA 94901

Contact country: US
 Contact telephone: (415) 456-5151
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ROBERT FENTON
 Owner/operator address: 38 GARY PL
 SAN RAFAEL, CA 94901

Owner/operator country: Not reported
 Owner/operator telephone: (415) 456-5151

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

EUROPEAN CAR SERVICE (Continued)

1000819581

Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002889811

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2011
 Gepaid: CAL000224847
 Contact: DEBRA HAMLIN
 Telephone: 6302599379
 Mailing Name: Not reported
 Mailing Address: 333 E LAKE ST
 Mailing City,St,Zip: BLOOMINGDALE, IL 60108
 Gen County: Not reported
 TSD EPA ID: NVT330010000
 TSD County: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
 Tons: 0.1
 Facility County: Marin

Year: 2010
 Gepaid: CAL000224847
 Contact: DEREK SANDERS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

EUROPEAN CAR SERVICE (Continued)

1000819581

Telephone: 4084724142
 Mailing Name: Not reported
 Mailing Address: 802 S 1ST ST
 Mailing City,St,Zip: SAN JOSE, CA 951103122
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.021
 Facility County: Marin

Year: 2010
 Gepaid: CAL000224847
 Contact: DEREK SANDERS
 Telephone: 4084724142
 Mailing Name: Not reported
 Mailing Address: 802 S 1ST ST
 Mailing City,St,Zip: SAN JOSE, CA 951103122
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.084
 Facility County: Marin

Year: 2004
 Gepaid: CAL000224847
 Contact: YI-CHAU CHANG
 Telephone: 4082828022
 Mailing Name: Not reported
 Mailing Address: 802 S 1ST ST
 Mailing City,St,Zip: SAN JOSE, CA 951103122
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000224847
 Contact: YI-CHAU CHANG
 Telephone: 4082828022
 Mailing Name: YI-CHAU CHANG
 Mailing Address: 802 S 1ST ST
 Mailing City,St,Zip: SAN JOSE, CA 951103122
 Gen County: Marin
 TSD EPA ID: CAT000613943
 TSD County: Marin
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Transfer Station
 Tons: 0.1

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

EUROPEAN CAR SERVICE (Continued)

1000819581

Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

**63 MARIN SQUARE CLEANERS
55 BELLAM BLVD STE C
SAN RAFAEL, CA 94901**

**DRYCLEANERS S111417740
N/A**

DRYCLEANERS:
 EPA Id: CAD981650393
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 07/03/1987
 Facility Active: No
 Inactive Date: 06/30/2011
 Facility Addr2: Not reported
 Owner Name: KHAMIS ANTAR
 Owner Address: 55 BELLAM BLVD STE C
 Owner Address 2: Not reported
 Owner Telephone: 4154596236
 Contact Name: KHAMIS ANTAR - OWNER
 Contact Address: 55 BELLAM BLVD STE C
 Contact Address 2: Not reported
 Contact Telephone: 4154596236

**63 MARIN SQUARE CLEANERS
55 BELLAM BLVD UNIT C
SAN RAFAEL, CA 94901**

**RCRA-SQG 1000255499
FINDS CAD981650393
HAZNET
EMI**

RCRA-SQG:
 Date form received by agency: 02/11/1994
 Facility name: MARIN SQUARE CLEANERS
 Facility address: 55 BELLAM BLVD UNIT C
 SAN RAFAEL, CA 94901
 EPA ID: CAD981650393
 Contact: KHAMIS ANTAR
 Contact address: 55 BELLAM BLVD UNIT C
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 459-6236
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: KHAMIS ANTAR
 Owner/operator address: 55 BELLAM BLVD UNIT C

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN SQUARE CLEANERS (Continued)

1000255499

SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 459-6236
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002737281

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SQUARE CLEANERS (Continued)

1000255499

HAZNET:

Year: 2004
 Gepaid: CAD981650393
 Contact: KHAMIS ANTAR - OWNER
 Telephone: 4154596236
 Mailing Name: Not reported
 Mailing Address: 55 BELLAM BLVD STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949015351
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.29
 Facility County: Not reported

Year: 2003
 Gepaid: CAD981650393
 Contact: KHAMIS ANTAR - OWNER
 Telephone: 4154596236
 Mailing Name: Not reported
 Mailing Address: 55 BELLAM BLVD STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949015351
 Gen County: Marin
 TSD EPA ID: CA0000084517
 TSD County: Marin
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.19
 Facility County: Marin

Year: 2002
 Gepaid: CAD981650393
 Contact: KHAMIS ANTAR - OWNER
 Telephone: 4154596236
 Mailing Name: Not reported
 Mailing Address: 55 BELLAM BLVD STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949015351
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.27
 Facility County: Not reported

Year: 2001
 Gepaid: CAD981650393
 Contact: KHAMIS ANTAR - OWNER
 Telephone: 4154596236
 Mailing Name: Not reported
 Mailing Address: 55 BELLAM BLVD STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949015351
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN SQUARE CLEANERS (Continued)

1000255499

Disposal Method: Transfer Station
 Tons: 0
 Facility County: Not reported

Year: 2001
 Gepaid: CAD981650393
 Contact: KHAMIS ANTAR - OWNER
 Telephone: 4154596236
 Mailing Name: Not reported
 Mailing Address: 55 BELLAM BLVD STE C
 Mailing City,St,Zip: SAN RAFAEL, CA 949015351
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Transfer Station
 Tons: 0.39
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 9 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1990
 County Code: 21
 Air Basin: SF
 Facility ID: 4597
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1995
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SQUARE CLEANERS (Continued)

1000255499

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SQUARE CLEANERS (Continued)

1000255499

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2003
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SQUARE CLEANERS (Continued)

1000255499

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2004
County Code:	21
Air Basin:	SF
Facility ID:	9687
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.19
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2005
County Code:	21
Air Basin:	SF
Facility ID:	9687
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2006
County Code:	21
Air Basin:	SF
Facility ID:	9687
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.165
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN SQUARE CLEANERS (Continued)

1000255499

County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .165
 Reactive Organic Gases Tons/Yr: .115269
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 9687
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .165
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

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**68 GARY PLACE
 68 GARY PL
 SAN RAFAEL, CA 94901**

**HIST CORTESE S102563429
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0316

LUST:

Region: STATE
 Global Id: T0604100298
 Latitude: 37.9599985864496
 Longitude: -122.5089392066
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/02/2009
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0316
 LOC Case Number: Not reported
 File Location: Regional Board

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

68 GARY PLACE (Continued)

S102563429

Potential Media Affect: Soil
 Potential Contaminants of Concern: Diesel
 Site History: This site had an above ground tank, but no underground tank.

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100298
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100298
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100298
 Action Type: ENFORCEMENT
 Date: 06/02/2009
 Action: Closure/No Further Action Letter

Global Id: T0604100298
 Action Type: ENFORCEMENT
 Date: 02/07/2008
 Action: Staff Letter

Global Id: T0604100298
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Excavation

Global Id: T0604100298
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100298
 Action Type: RESPONSE
 Date: 02/01/2008
 Action: Soil and Water Investigation Workplan

Global Id: T0604100298
 Action Type: ENFORCEMENT
 Date: 09/14/2007
 Action: 13267 Requirement

Global Id: T0604100298
 Action Type: RESPONSE
 Date: 05/06/2008
 Action: Soil and Water Investigation Report

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

68 GARY PLACE (Continued)

S102563429

Global Id:	T0604100298
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100298
Action Type:	ENFORCEMENT
Date:	05/15/2008
Action:	13267 Monitoring Program
Global Id:	T0604100298
Action Type:	ENFORCEMENT
Date:	12/28/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0604100298
Action Type:	RESPONSE
Date:	02/01/2008
Action:	Soil and Water Investigation Workplan
Global Id:	T0604100298
Action Type:	RESPONSE
Date:	01/30/2009
Action:	Monitoring Report - Quarterly

LUST REG 2:

Region:	2
Facility Id:	21-0316
Facility Status:	Leak being confirmed
Case Number:	21-0316
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	4/21/1997
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

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**CALTRANS
 100 GARY PL
 SAN RAFAEL, CA 94901**

**HIST CORTESE S103696031
 LUST N/A
 HAZNET**

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0305

LUST:
 Region: STATE
 Global Id: T0604100287
 Latitude: 37.9584684

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CALTRANS (Continued)

S103696031

Longitude: -122.5089115
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/08/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0305
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100287
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100287
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100287
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100287
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100287
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0305
 Facility Status: Case Closed
 Case Number: 21-0305

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CALTRANS (Continued)

S103696031

How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HAZNET:

Year: 1994
 Gepaid: CAC000738480
 Contact: CALTRANS
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: P O BOX 23440
 Mailing City,St,Zip: OAKLAND, CA 946230000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Not reported
 Tons: 4.4619
 Facility County: Marin

Year: 1994
 Gepaid: CAC000738480
 Contact: CALTRANS
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: P O BOX 23440
 Mailing City,St,Zip: OAKLAND, CA 946230000
 Gen County: Marin
 TSD EPA ID: CAD980887418
 TSD County: 1
 Waste Category: Waste oil and mixed oil
 Disposal Method: Recycler
 Tons: 4.4619
 Facility County: Marin

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**MARTINEZ ELECTRIC
 3155 KERNER BLVD
 SAN RAFAEL, CA 94901**

**LUST U001599956
 HIST UST N/A**

LUST REG 2:

Region: 2
 Facility Id: 21-0279
 Facility Status: Case Closed
 Case Number: 21-0279
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 1/25/1995
 Oversight Program: LUST

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARTINEZ ELECTRIC (Continued)

U001599956

Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

HIST UST:

Region: STATE
 Facility ID: 00000004402
 Facility Type: Other
 Other Type: ELECTRICAL CONTRACTO
 Total Tanks: 0002
 Contact Name: Not reported
 Telephone: 4154536555
 Owner Name: GEORGE L. MARTINEZ
 Owner Address: 3155 KERNER BLVD.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1977
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: 1977
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

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**MARTINEZ ELECTRIC
 3155 KERNER BLVD
 SAN RAFAEL, CA 94903**

**HIST CORTESE S100936016
 LUST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0279

LUST:

Region: STATE
 Global Id: T0604100261
 Latitude: 37.95832
 Longitude: -122.50152
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 01/04/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARTINEZ ELECTRIC (Continued)

S100936016

Local Agency: Not reported
 RB Case Number: 21-0279
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100261
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100261
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100261
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100261
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100261
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

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**JERRY THOMPSON AND SONS PAINTING
 999 ANDERSEN DR STE 100
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1001023086
 FINDS CAR000004382
 HAZNET**

RCRA-SQG:

Date form received by agency: 07/18/1995
 Facility name: JERRY THOMPSON AND SONS PAINTING
 Facility address: 999 ANDERSEN DR STE 100
 SAN RAFAEL, CA 94901
 EPA ID: CAR000004382
 Mailing address: ANDERSEN DR STE 100
 SAN RAFAEL, CA 94901

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JERRY THOMPSON AND SONS PAINTING (Continued)

1001023086

Contact: DENNIS THOMPSON
 Contact address: 999 ANDERSEN DR STE 100
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 454-1500
 Contact email: Not reported
 EPA Region: 09
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JERRY THOMPSON AND SONS MGMT
 Owner/operator address: 999 ANDERSEN DR STE 100
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 454-1500
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/17/2002
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002907150

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JERRY THOMPSON AND SONS PAINTING (Continued)

1001023086

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year: 2006
 Gepaid: CAL000130874
 Contact: DENNIS J. THOMPSON, SELL/TRANS
 Telephone: 4154541500
 Mailing Name: Not reported
 Mailing Address: 3 SIMMS STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Not reported
 Tons: 0.2
 Facility County: Marin

Year: 2005
 Gepaid: CAL000130874
 Contact: DENNIS J. THOMPSON, SELL/TRANS
 Telephone: 4154541500
 Mailing Name: Not reported
 Mailing Address: 3 SIMMS STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Latex waste
 Disposal Method: Not reported
 Tons: 0.68
 Facility County: Not reported

Year: 2004
 Gepaid: CAL000130874
 Contact: DENNIS J. THOMPSON, SELL/TRANS
 Telephone: 4154541500
 Mailing Name: Not reported
 Mailing Address: 3 SIMMS STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Latex waste
 Disposal Method: Not reported
 Tons: 0.68
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000130874

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

JERRY THOMPSON AND SONS PAINTING (Continued)

1001023086

Contact: DENNIS J. THOMPSON, SELL/TRANS
 Telephone: 4154541500
 Mailing Name: Not reported
 Mailing Address: 3 SIMMS STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: UTD981552177
 TSD County: Marin
 Waste Category: Laboratory waste chemicals
 Disposal Method: Not reported
 Tons: 0.04
 Facility County: Marin

Year: 2003
 Gepaid: CAL000130874
 Contact: DENNIS J. THOMPSON, SELL/TRANS
 Telephone: 4154541500
 Mailing Name: Not reported
 Mailing Address: 3 SIMMS STREET
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: Marin
 Waste Category: Other organic solids
 Disposal Method: Disposal, Land Fill
 Tons: 0.2
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 39 additional CA_HAZNET: record(s) in the EDR Site Report.

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**MERZ BROS CONST.
 #1 SIMMS ST
 SAN RAFAEL, CA 94901**

**HIST UST U001599958
 N/A**

HIST UST:
 Region: STATE
 Facility ID: 00000036000
 Facility Type: Other
 Other Type: CONTRACTORS CONSTRUC
 Total Tanks: 0002
 Contact Name: Not reported
 Telephone: 4154599604
 Owner Name: FRANK G MERZ
 Owner Address: #1 SIMMS ST
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: #1
 Year Installed: 1968
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: #2

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MERZ BROS CONST. (Continued)

U001599958

Year Installed: 1968
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: None

67

**MARIN DODGE
 1075 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**RCRA-SQG 1000594545
 FINDS CAD983583790
 HIST CORTESE
 LUST
 HAZNET
 ENVIROSTOR**

RCRA-SQG:

Date form received by agency: 06/04/1991
 Facility name: MARIN DODGE
 Facility address: 1075 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901
 EPA ID: CAD983583790
 Mailing address: FRANCISCO BLVD E
 SAN RAFAEL, CA 94901
 Contact: PETER AUERBACH
 Contact address: 1075 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 456-5120
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: JAMES R BISHOP
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN DODGE (Continued)

1000594545

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002845440

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0122

LUST:

Region: STATE
 Global Id: T0604100115
 Latitude: 37.9582291
 Longitude: -122.5030629
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 05/12/2006
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0122
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN DODGE (Continued)

1000594545

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id:	T0604100115
Contact Type:	Local Agency Caseworker
Contact Name:	BRADLEY R. MARK
Organization Name:	SAN RAFAEL, CITY OF
Address:	1039 C STREET
City:	SAN RAFAEL
Email:	brad.mark@ci.san-rafael.ca.us
Phone Number:	Not reported
Global Id:	T0604100115
Contact Type:	Regional Board Caseworker
Contact Name:	JOHN JANG
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	jjang@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0604100115
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100115
Action Type:	ENFORCEMENT
Date:	01/19/2006
Action:	* Verbal Communication
Global Id:	T0604100115
Action Type:	ENFORCEMENT
Date:	04/10/2006
Action:	* Verbal Communication
Global Id:	T0604100115
Action Type:	ENFORCEMENT
Date:	03/31/2006
Action:	* Verbal Communication
Global Id:	T0604100115
Action Type:	ENFORCEMENT
Date:	04/01/2006
Action:	* Verbal Communication
Global Id:	T0604100115
Action Type:	ENFORCEMENT
Date:	04/11/2006
Action:	* Verbal Communication
Global Id:	T0604100115
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

MARIN DODGE (Continued)

1000594545

Global Id:	T0604100115
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100115
Action Type:	ENFORCEMENT
Date:	05/12/2006
Action:	Closure/No Further Action Letter

LUST REG 2:

Region:	2
Facility Id:	21-0122
Facility Status:	Leak being confirmed
Case Number:	19
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	Tank
Date Leak Confirmed:	1/5/1995
Oversight Program:	LUST
Prelim. Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

HAZNET:

Year:	2001
Gepaid:	CAD983583790
Contact:	RON BISTOLFO/ENVIRN DIRECTOR
Telephone:	6502222419
Mailing Name:	Not reported
Mailing Address:	3737 FIRST STREET
Mailing City,St,Zip:	LIVERMORE, CA 945500000
Gen County:	Marin
TSD EPA ID:	Not reported
TSD County:	Santa Clara
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	1.12
Facility County:	Not reported
Year:	2001
Gepaid:	CAD983583790
Contact:	RON BISTOLFO/ENVIRN DIRECTOR
Telephone:	6502222419
Mailing Name:	Not reported
Mailing Address:	3737 FIRST STREET
Mailing City,St,Zip:	LIVERMORE, CA 945500000
Gen County:	Marin
TSD EPA ID:	Not reported
TSD County:	San Mateo
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MARIN DODGE (Continued)

1000594545

Tons: 0.2
 Facility County: Not reported

Year: 2001
 Gepaid: CAD983583790
 Contact: RON BISTOLFO/ENVIRN DIRECTOR
 Telephone: 6502222419
 Mailing Name: Not reported
 Mailing Address: 3737 FIRST STREET
 Mailing City,St,Zip: LIVERMORE, CA 945500000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Transfer Station
 Tons: 0.54
 Facility County: Not reported

Year: 2001
 Gepaid: CAD983583790
 Contact: RON BISTOLFO/ENVIRN DIRECTOR
 Telephone: 6502222419
 Mailing Name: Not reported
 Mailing Address: 3737 FIRST STREET
 Mailing City,St,Zip: LIVERMORE, CA 945500000
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Sacramento
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.28
 Facility County: Not reported

Year: 2000
 Gepaid: CAD983583790
 Contact: RI-JOYCE, INC
 Telephone: 4155551212
 Mailing Name: Not reported
 Mailing Address: 1880 WELLSONA RD
 Mailing City,St,Zip: PASO ROBLES, CA 934461066
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: .6255
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 31 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MARIN DODGE (Continued)

1000594545

Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21490011
 Site Code: Not reported
 Assembly: Not reported
 Senate: Not reported
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 11/09/1989
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 0
 Longitude: 0
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 21490011
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 02/01/1987
 Comments: FACILITY IDENTIFIED RWQCB SWD FILE CLASS III INACTIVE SITE; FORMERLY OPER- ATED BY MAGGORIA AND GHILLOTTI

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: ABANDONED DISPOSAL SITE NOT LISTED ON SWRCB CALDERON LIST.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

68	VIACOM CABLEVISION 60 GOLDEN GATE DR SAN RAFAEL, CA 94901	HIST UST	U001599986 N/A
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HIST UST:

Region:	STATE
Facility ID:	00000000066
Facility Type:	Other
Other Type:	CABLE PLANT OPERATIO
Total Tanks:	0001
Contact Name:	GARY AUVIL
Telephone:	4154595333
Owner Name:	VIACOM CABLEVISION
Owner Address:	60 GOLDEN GATE DRIVE
Owner City,St,Zip:	SAN RAFAEL, CA 94901

Tank Num:	001
Container Num:	1
Year Installed:	1975
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

68	TREADWELL PROPERTIES 60 GOLDEN GATE DR SAN RAFAEL, CA 94901	HIST CORTESE	S100229811
		LUST	N/A

CORTESE:

Region:	CORTESE
Facility County Code:	21
Reg By:	LTNKA
Reg Id:	21-0143

LUST:

Region:	STATE
Global Id:	T0604100135
Latitude:	37.957102
Longitude:	-122.504649
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/02/2007
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	REL
Local Agency:	Not reported
RB Case Number:	21-0143
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0604100135
Contact Type:	Regional Board Caseworker
Contact Name:	RALPH LAMBERT
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

TREADWELL PROPERTIES (Continued)

S100229811

Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100135
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100135
 Action Type: ENFORCEMENT
 Date: 01/02/2007
 Action: Closure/No Further Action Letter

Global Id: T0604100135
 Action Type: ENFORCEMENT
 Date: 12/28/2006
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100135
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100135
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0143
 Facility Status: Leak being confirmed
 Case Number: 16
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 12/19/1994
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site
 Database(s)
 EPA ID Number
 EDR ID Number

69 **EUROPEAN AUTO SERVICES, INC.** **LUST** **S105790748**
1163 FRANCISCO BLVD. EAST
SAN RAFAEL, CA 94901 **N/A**

LUST REG 2:
 Region: 2
 Facility Id: 21-0372
 Facility Status: Case Closed
 Case Number: Not reported
 How Discovered: Subsurface Monitoring
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: 2/24/2003
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

69 **EUROPEAN AUTO SERVICE INC** **LUST** **S101624678**
1163 FRANCISCO BLVD **CA FID UST** **N/A**
SAN RAFAEL, CA 94901 **SWEEPS UST**

LUST:
 Region: STATE
 Global Id: T0604189707
 Latitude: 37.956906
 Longitude: -122.501653
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/04/2003
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0372
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
 Global Id: T0604189707
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604189707
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

EUROPEAN AUTO SERVICE INC (Continued)

S101624678

City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604189707
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604189707
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604189707
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604189707
 Action Type: ENFORCEMENT
 Date: 03/04/2003
 Action: Closure/No Further Action Letter

CA FID UST:

Facility ID: 21001107
 Regulated By: UTNKA
 Regulated ID: Not reported
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: Not reported
 Mail To: Not reported
 Mailing Address: 1163 FRANCISCO BLVD
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

SWEEPS UST:

Status: Active
 Comp Number: 10026
 Number: 9
 Board Of Equalization: Not reported
 Referral Date: 03-06-91
 Action Date: 03-06-91
 Created Date: 01-10-90
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-010026-000001

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

EUROPEAN AUTO SERVICE INC (Continued)

S101624678

Actv Date: 09-26-91
 Capacity: 1
 Tank Use: UNKNOWN
 Stg: P
 Content: UNKNOWN
 Number Of Tanks: 1

**70 WARREN SECURITY SYSTEMS
 1305 EAST FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**SLIC S105481860
 N/A**

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 03/21/2002
 Global Id: T0604186886
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Lead Agency Case Number: Not reported
 Latitude: 37.955202
 Longitude: -122.499361
 Case Type: Cleanup Program Site
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0368
 File Location: Not reported
 Potential Media Affected: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

**70 SUN IRON WORKS, INC.
 1261 E. FRANCISCO BLVD.
 SAN RAFAEL, CA 94901**

**LUST U001599980
 UST N/A
 HIST UST
 SWEEPS UST
 HAZNET**

LUST:

Region: STATE
 Global Id: T0604192787
 Latitude: 37.955991
 Longitude: -122.500556
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/10/2011
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0355
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SUN IRON WORKS, INC. (Continued)

U001599980

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604192787
 Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604192787
 Action Type: RESPONSE
 Date: 09/28/2007
 Action: Other Report / Document

Global Id: T0604192787
 Action Type: ENFORCEMENT
 Date: 03/10/2011
 Action: Closure/No Further Action Letter

Global Id: T0604192787
 Action Type: ENFORCEMENT
 Date: 07/22/2009
 Action: File review

Global Id: T0604192787
 Action Type: ENFORCEMENT
 Date: 12/17/2007
 Action: Staff Letter

Global Id: T0604192787
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604192787
 Action Type: RESPONSE
 Date: 04/15/2008
 Action: Soil and Water Investigation Report

Global Id: T0604192787
 Action Type: ENFORCEMENT
 Date: 07/19/2007
 Action: 13267 Requirement

Global Id: T0604192787
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604192787
 Action Type: ENFORCEMENT
 Date: 03/06/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SUN IRON WORKS, INC. (Continued)

U001599980

Action: Site Visit / Inspection / Sampling
 Global Id: T0604192787
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0355
 Facility Status: Leak being confirmed
 Case Number: Not reported
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 11/27/2000
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

UST:

Facility ID: 300106
 Latitude: 37.95571
 Longitude: -122.50038

HIST UST:

Region: STATE
 Facility ID: 00000028558
 Facility Type: Other
 Other Type: STEEL FABRICATION
 Total Tanks: 0001
 Contact Name: Not reported
 Telephone: 4154537562
 Owner Name: SUN IRON WORKS, INC.
 Owner Address: 1261 FRANCISCO BLVD.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1984
 Tank Capacity: 00000515
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 12 gauge
 Leak Detection: Stock Inventor, Pressure Test

SWEEPS UST:

Status: Active
 Comp Number: 28558
 Number: 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SUN IRON WORKS, INC. (Continued)

U001599980

Board Of Equalization: Not reported
 Referral Date: 06-20-91
 Action Date: 06-20-91
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-028558-000001
 Actv Date: 06-18-91
 Capacity: 515
 Tank Use: M.V. FUEL
 Stg: P
 Content: LEADED
 Number Of Tanks: 1

HAZNET:

Year: 1999
 Gepaid: CAC001276024
 Contact: SUN IRON WORKS
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 1261 FRANCISCO BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Recycler
 Tons: 0.25
 Facility County: Marin

70

**ALBERTS TRANSMISSION
 1249 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**HIST CORTESE 1000219748
 LUST N/A
 CA FID UST
 HIST UST
 SWEEPS UST
 Notify 65
 HAZNET**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0004

LUST:

Region: STATE
 Global Id: T0604100004
 Latitude: 37.955294
 Longitude: -122.499565
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 11/13/1996
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0004
 LOC Case Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ALBERTS TRANSMISSION (Continued)

1000219748

File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100004
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100004
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100004
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100004
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100004
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0004
 Facility Status: Case Closed
 Case Number: 11
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: Piping
 Date Leak Confirmed: 12/19/1994
 Oversight Program: LUST
 Prelim. Site Assessment Wokplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

ALBERTS TRANSMISSION (Continued)

1000219748

Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

CA FID UST:

Facility ID: 21000015
 Regulated By: UTKNI
 Regulated ID: 00011444
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 4154537010
 Mail To: Not reported
 Mailing Address: SAME
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SAN RAFAEL 94901
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

HIST UST:

Region: STATE
 Facility ID: 00000011444
 Facility Type: Other
 Other Type: TRANSMISSION REPAIR
 Total Tanks: 0001
 Contact Name: ALBERT TANNER
 Telephone: 4154537010
 Owner Name: ALBERTS TRANSMISSIONS
 Owner Address: 1249 FRANCISCO BLVD. E
 Owner City,St,Zip: SAN RAFAEL, CA 94901

Tank Num: 001
 Container Num: 1
 Year Installed: 1976
 Tank Capacity: 00000500
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: Not reported
 Leak Detection: None

SWEEPS UST:

Status: Not reported
 Comp Number: 11444
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-028-011444-000001
 Actv Date: Not reported
 Capacity: 500

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ALBERTS TRANSMISSION (Continued)

1000219748

Tank Use: OIL
 Stg: WASTE
 Content: WASTE OIL
 Number Of Tanks: 1

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

HAZNET:

Year: 1999
 Gepaid: CAD982334419
 Contact: REECE KERLEY
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 1249 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD982446874
 TSD County: Yolo
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station
 Tons: 0.2293
 Facility County: Marin

Year: 1997
 Gepaid: CAD982334419
 Contact: REECE KERLEY
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 1249 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD093459485
 TSD County: Fresno
 Waste Category: Unspecified solvent mixture
 Disposal Method: Transfer Station
 Tons: .0208
 Facility County: Marin

Year: 1997
 Gepaid: CAD982334419
 Contact: REECE KERLEY
 Telephone: 0000000000
 Mailing Name: Not reported
 Mailing Address: 1249 FRANCISCO BLVD E
 Mailing City,St,Zip: SAN RAFAEL, CA 949010000
 Gen County: Marin
 TSD EPA ID: CAD982446866
 TSD County: Solano
 Waste Category: Aqueous solution with total organic residues less than 10 percent
 Disposal Method: Transfer Station

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site Database(s) EPA ID Number
 EDR ID Number

ALBERTS TRANSMISSION (Continued)

1000219748

Tons: .2085
 Facility County: Marin

70

**U HAUL
 1205 FRANCISCO
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST**

1000160014
 N/A

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0144

LUST REG 2:
 Region: 2
 Facility Id: 21-0144
 Facility Status: Leak being confirmed
 Case Number: 20
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Piping
 Date Leak Confirmed: 1/5/1995
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

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**SAN RAFAEL U-HAUL CENTER
 1205 FRANCISCO BLVD E
 SAN RAFAEL, CA 94901**

**LUST
 HIST UST**

U001599976
 N/A

LUST:
 Region: STATE
 Global Id: T0604100136
 Latitude: 37.965509
 Longitude: -122.51397
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 09/29/2008
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: REL
 Local Agency: Not reported
 RB Case Number: 21-0144
 LOC Case Number: Not reported
 File Location: Regional Board
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
 Global Id: T0604100136

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN RAFAEL U-HAUL CENTER (Continued)

U001599976

Contact Type: Regional Board Caseworker
 Contact Name: RALPH LAMBERT
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY ST. SUITE 1500
 City: OAKLAND
 Email: ralambert@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100136
 Action Type: RESPONSE
 Date: 05/04/2007
 Action: Soil and Water Investigation Report

Global Id: T0604100136
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100136
 Action Type: ENFORCEMENT
 Date: 02/09/2007
 Action: File review

Global Id: T0604100136
 Action Type: RESPONSE
 Date: 10/29/2007
 Action: Monitoring Report - Quarterly

Global Id: T0604100136
 Action Type: REMEDIATION
 Date: 01/01/1950
 Action: Not reported

Global Id: T0604100136
 Action Type: ENFORCEMENT
 Date: 09/29/2008
 Action: Closure/No Further Action Letter

Global Id: T0604100136
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100136
 Action Type: ENFORCEMENT
 Date: 11/30/2006
 Action: 13267 Requirement

Global Id: T0604100136
 Action Type: ENFORCEMENT
 Date: 03/06/2007
 Action: Site Visit / Inspection / Sampling

Global Id: T0604100136
 Action Type: RESPONSE
 Date: 01/12/2007

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN RAFAEL U-HAUL CENTER (Continued)

U001599976

Action:	Soil and Water Investigation Workplan
Global Id:	T0604100136
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0604100136
Action Type:	RESPONSE
Date:	01/18/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0604100136
Action Type:	ENFORCEMENT
Date:	02/14/2007
Action:	Staff Letter
Global Id:	T0604100136
Action Type:	ENFORCEMENT
Date:	01/11/2007
Action:	* Verbal Communication
Global Id:	T0604100136
Action Type:	RESPONSE
Date:	08/10/2007
Action:	Monitoring Report - Quarterly

HIST UST:

Region:	STATE
Facility ID:	00000058893
Facility Type:	Other
Other Type:	RETAIL
Total Tanks:	0002
Contact Name:	TIM HURSON
Telephone:	4154578400
Owner Name:	U-HAUL COMPANY OF SAN FRANCISCO
Owner Address:	1575 BAYSHORE BOULEVARD
Owner City,St,Zip:	SAN FRANCISCO, CA 94124

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	06
Tank Construction:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000580
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None

MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site Database(s) EPA ID Number EDR ID Number

71 VIACOM CABLEVISION HIST CORTESE S101307478
 1111 ANDERSEN DR LUST N/A
 SAN RAFAEL, CA 94901 SWEEPS UST
 HAZNET

CORTESE:
 Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0179

LUST:
 Region: STATE
 Global Id: T0604100170
 Latitude: 37.9540719
 Longitude: -122.501209
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 10/31/1994
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0179
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
 Global Id: T0604100170
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100170
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:
 Global Id: T0604100170
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100170
 Action Type: Other
 Date: 01/01/1950

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VIACOM CABLEVISION (Continued)

S101307478

Action: Leak Reported
 Global Id: T0604100170
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0179
 Facility Status: Case Closed
 Case Number: 10
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: Not reported
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Active
 Comp Number: 10077
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 06-19-91
 Action Date: 06-19-91
 Created Date: 01-10-90
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-028-010077-000001
 Actv Date: 06-19-91
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: 1

HAZNET:

Year: 2007
 Gepaid: CAL000275184
 Contact: JERRY JENKINS
 Telephone: 4152584237
 Mailing Name: Not reported
 Mailing Address: 1111 ANDERSEN DR
 Mailing City,St,Zip: SAN RAFAEL, CA 949015336
 Gen County: Marin
 TSD EPA ID: NVD980895338
 TSD County: 99
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

VIACOM CABLEVISION (Continued)

S101307478

(H010-H129) Or (H131-H135)
 Tons: 0.19
 Facility County: Marin
 Year: 2004
 Gepaid: CAL000275184
 Contact: ROSA WHIPPLE
 Telephone: 7606028842
 Mailing Name: Not reported
 Mailing Address: 12647 ACCOSTA BLVD
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Other organic solids
 Disposal Method: Transfer Station
 Tons: 0.26
 Facility County: Not reported

Year: 2003
 Gepaid: CAL000275184
 Contact: ROSA WHIPPLE
 Telephone: 7606028842
 Mailing Name: Not reported
 Mailing Address: 1905 ASTON AVE
 Mailing City,St,Zip: CARLSBAD, CA 92008
 Gen County: Marin
 TSD EPA ID: IND000646943
 TSD County: Marin
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Disposal, Land Fill
 Tons: 0.22
 Facility County: Marin

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**TCI CABLE
 1111 ANDERSEN DRIVE
 SAN RAFAEL, CA 94901**

**UST U003782171
 N/A**

UST:
 Facility ID: 300186
 Latitude: 37.9558
 Longitude: -122.50505

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**SAN RAFAEL U-HAUL CENTER
 1205 EAST FRANSISCO BLVD.
 SAN RAFAEL, CA 92691**

**Notify 65 U000058096
 N/A**

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92691

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

73	MARIN RECYCLING AND RESOURCE RECOVERY ASSOCIATION 535 JACOBY ST SAN RAFAEL, CA 94901	SWRCY	S107137288 N/A
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SWRCY:

Reg Id:	19417
Cert Id:	RC0942
Org Or Agency Reg Id:	19417
Organization Or Agency Name:	Marin Recycling and Resource Recovery Association
Mailing Address:	535 Jacoby St
Mailing City:	San Rafael
Mailing State:	CA
Mailing Zip Code:	94901
Website:	Not reported
Email:	Not reported
Phone Number:	(415) 453-1404
Grand Father:	N
Rural:	N
Operation Begin Date:	09/24/1987
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	CLOSED
Tuesday Hours Of Operation:	8:00 am - 4:00 pm
Wednesday Hours Of Operation:	8:00 am - 4:00 pm
Thursday Hours Of Operation:	8:00 am - 4:00 pm
Friday Hours Of Operation:	8:00 am - 4:00 pm
Saturday Hours Of Operation:	8:00 am - 4:00 pm
Sunday Hours Of Operation:	CLOSED

73	GHILOTTI BROTHERS CONSTRUCTION INC 525 JACOBY STREET SAN RAFAEL, CA 94901	RCRA-SQG HIST UST AST	1000290967 CAD009469701
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RCRA-SQG:

Date form received by agency:	07/09/1992
Facility name:	GHILOTTI BROTHERS CONSTRUCTION INC
Facility address:	525 JACOBY STREET SAN RAFAEL, CA 94901
EPA ID:	CAD009469701
Contact:	EDWARD NAVE
Contact address:	525 JACOBY STREET SAN RAFAEL, CA 94901
Contact country:	US
Contact telephone:	(415) 454-7011
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
 Owner/operator name: GHLOTTI BROTHERS CONSTRUCTION INC

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS CONSTRUCTION INC (Continued)

1000290967

Owner/operator address: 525 JACOBY
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 454-7011
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/16/2000
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State Contractor/Grantee

HIST UST:

Region: STATE
 Facility ID: 00000063757
 Facility Type: Other
 Other Type: Not reported
 Total Tanks: 0002
 Contact Name: Not reported
 Telephone: 4154547011
 Owner Name: GHILOTTI BROS.
 Owner Address: 525 JACOBY ST.
 Owner City,St,Zip: SAN RAFAEL, CA 94901

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS CONSTRUCTION INC (Continued)

1000290967

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: None

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00000000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: None

AST:

Owner: D & M EQUIPMENT CO.
 Total Gallons: 4,000
 Certified Unified Program Agencies: Marin

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**GHILOTTI BROTHERS INC
 525 JACOBY ST
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 ENF
 HAZNET**

**S102432994
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0055

LUST REG 2:

Region: 2
 Facility Id: 21-0055
 Facility Status: Leak being confirmed
 Case Number: 21-0055
 How Discovered: Tank Closure
 Leak Cause: Structure Failure
 Leak Source: Tank
 Date Leak Confirmed: 1/31/1996
 Oversight Program: LUST
 Prelim. Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

ENF:

Region: 2
 Facility Id: 228801
 Agency Name: Ghilotti Bros. Construction
 Place Type: Facility

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

GHILOTTI BROTHERS INC (Continued)

S102432994

Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9534700
Place Longitude:	-122.50511
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
# Of Programs:	1
WDID:	2 21AGT267U
Reg Measure Id:	169240
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS INC (Continued)

S102432994

Enforcement Id(EID):	237797
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/15/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/15/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21AGT267U
Description:	Not reported
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	228801
Agency Name:	Ghilotti Bros. Construction
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9534700
Place Longitude:	-122.50511
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS INC (Continued)

S102432994

# Of Programs:	1
WDID:	2 21AGT267U
Reg Measure Id:	169240
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237795
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	10/01/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/01/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21AGT267U
Description:	Not reported
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	228801
Agency Name:	Ghilotti Bros. Construction
Place Type:	Facility
Place Subtype:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS INC (Continued)

S102432994

Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9534700
Place Longitude:	-122.50511
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
# Of Programs:	1
WDID:	2 21AGT267U
Reg Measure Id:	169240
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237796

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS INC (Continued)

S102432994

Region: 2
 Order / Resolution Number: UNKNOWN
 Enforcement Action Type: Staff Enforcement Letter
 Effective Date: 11/29/2000
 Adoption/Issuance Date: Not reported
 Achieve Date: Not reported
 Termination Date: 11/29/2000
 ACL Issuance Date: Not reported
 EPL Issuance Date: Not reported
 Status: Historical
 Title: Enforcement - 2 21AGT267U
 Description: Not reported
 Program: AGT
 Latest Milestone Completion Date: Not reported
 # Of Programs1: 1
 Total Assessment Amount: 0
 Initial Assessed Amount: 0
 Liability \$ Amount: 0
 Project \$ Amount: 0
 Liability \$ Paid: 0
 Project \$ Completed: 0
 Total \$ Paid/Completed Amount: 0

HAZNET:

Year: 2011
 Gepaid: CAD009469701
 Contact: MICHAEL GHILOTTI
 Telephone: 4154547011
 Mailing Name: Not reported
 Mailing Address: 525 JACOBY ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015347
 Gen County: Not reported
 TSD EPA ID: CAD980884183
 TSD County: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.748
 Facility County: Marin

Year: 2011
 Gepaid: CAD009469701
 Contact: MICHAEL GHILOTTI
 Telephone: 4154547011
 Mailing Name: Not reported
 Mailing Address: 525 JACOBY ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015347
 Gen County: Not reported
 TSD EPA ID: CAD980884183
 TSD County: Not reported
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 3.3
 Facility County: Marin

Year: 2010

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS INC (Continued)

S102432994

Gepaid: CAD009469701
 Contact: MICHAEL GHILOTTI
 Telephone: 4154547011
 Mailing Name: Not reported
 Mailing Address: 525 JACOBY ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015347
 Gen County: Not reported
 TSD EPA ID: NVD980895338
 TSD County: Not reported
 Waste Category: Not reported
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.225
 Facility County: Marin

Year: 2010
 Gepaid: CAD009469701
 Contact: MICHAEL GHILOTTI
 Telephone: 4154547011
 Mailing Name: Not reported
 Mailing Address: 525 JACOBY ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015347
 Gen County: Not reported
 TSD EPA ID: CAD980884183
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.2
 Facility County: Marin

Year: 2010
 Gepaid: CAD009469701
 Contact: MICHAEL GHILOTTI
 Telephone: 4154547011
 Mailing Name: Not reported
 Mailing Address: 525 JACOBY ST
 Mailing City,St,Zip: SAN RAFAEL, CA 949015347
 Gen County: Not reported
 TSD EPA ID: NVD980895338
 TSD County: Not reported
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 0.6
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 17 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

73 **RELIABLE PRINTING**
517 JACOBY ST
SAN RAFAEL, CA 94901

RCRA-SQG **1000594672**
FINDS **CAD983585316**

RCRA-SQG:

Date form received by agency: 05/29/1991
 Facility name: RELIABLE PRINTING
 Facility address: 517 JACOBY ST
 SAN RAFAEL, CA 94901
 EPA ID: CAD983585316
 Mailing address: JACOBY ST
 SAN RAFAEL, CA 94901
 Contact: MONTY HARMON
 Contact address: 517 JACOBY ST
 SAN RAFAEL, CA 94901
 Contact country: US
 Contact telephone: (415) 459-0900
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RELIABLE INC
 Owner/operator address: 517 JACOBY ST
 SAN RAFAEL, CA 94901
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 459-0900
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002846396

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RELIABLE PRINTING (Continued)

1000594672

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**SHORELINE CENTER
 111 SHORELINE BLVD.
 SAN RAFAEL, CA 94902**

**ENVIROSTOR S101338578
 N/A**

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21490031
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: Not reported
 Status: Refer: Other Agency
 Status Date: 01/03/1994
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.95298
 Longitude: -122.4929
 APN: 00932040
 Past Use: NONE SPECIFIED
 Potential COC: 10076, 10097
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 00932040
 Alias Type: APN
 Alias Name: 21490031
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 01/03/1994
 Comments: Not reported

 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s)
 EPA ID Number

SHORELINE CENTER (Continued)

S101338578

Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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**PG & E SERVICE CENTER
 1220 ANDERSEN DR
 SAN RAFAEL, CA 94901**

**HIST CORTESE
 LUST
 ENVIROSTOR**

**S101481146
 N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0110

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 3031

LUST:

Region: STATE
 Global Id: T0604100105
 Latitude: 37.9511759
 Longitude: -122.499427
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 12/30/1994
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: Not reported
 RB Case Number: 21-0110
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100105
 Contact Type: Local Agency Caseworker
 Contact Name: BRADLEY R. MARK
 Organization Name: SAN RAFAEL, CITY OF
 Address: 1039 C STREET
 City: SAN RAFAEL
 Email: brad.mark@ci.san-rafael.ca.us
 Phone Number: Not reported

Global Id: T0604100105
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG & E SERVICE CENTER (Continued)

S101481146

LUST:

Global Id: T0604100105
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100105
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100105
 Action Type: ENFORCEMENT
 Date: 04/18/2007
 Action: * No Action

Global Id: T0604100105
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

LUST REG 2:

Region: 2
 Facility Id: 21-0110
 Facility Status: Case Closed
 Case Number: 12
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: Piping
 Date Leak Confirmed: Not reported
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 10/19/1990
 Preliminary Site Assesment Began: 4/19/1993
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

ENVIROSTOR:

Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Denise Tsuji
 Division Branch: Cleanup Berkeley
 Facility ID: 21490016
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Inactive - Needs Evaluation
 Status Date: 03/15/1995

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PG & E SERVICE CENTER (Continued)

S101481146

Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 37.95123
 Longitude: -122.4996
 APN: 01818051
 Past Use: NONE SPECIFIED
 Potential COC: 30018
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 01818051
 Alias Type: APN
 Alias Name: 110002721172
 Alias Type: EPA (FRS #)
 Alias Name: 21490016
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 09/20/1989
 Comments: FACILITY IDENTIFIED MARIN COUNTY PLANNING DEPARTMENT - CONTAMINANT: PCB'S FACILITY DRIVE-BY PAVED LOT; NO APPARENT PROBLEM

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: BASED ON FACILITY TYPE AND DRIVE-BY.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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PHOTO WASTE RECYCLING CO. INC.
2980 KERNER BLVD
SAN RAFAEL, CA 94901

HAZNET S102331624
HWP N/A

HAZNET:

Year: 2004
 Gepaid: CAL000121946
 Contact: SUE ASANO
 Telephone: 4154598807
 Mailing Name: Not reported
 Mailing Address: 2980 KERNER BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015578
 Gen County: Marin
 TSD EPA ID: CAL000175030
 TSD County: Santa Clara
 Waste Category: Other inorganic solid waste

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PHOTO WASTE RECYCLING CO. INC. (Continued)

S102331624

Disposal Method: Transfer Station
 Tons: 0.02
 Facility County: Not reported

 Year: 2003
 Gepaid: CAL000121946
 Contact: SUE ASANO
 Telephone: 4154598807
 Mailing Name: Not reported
 Mailing Address: 2980 KERNER BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015578
 Gen County: Marin
 TSD EPA ID: CAL000212588
 TSD County: Marin
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Treatment, Tank
 Tons: 0
 Facility County: Marin

Year: 2002
 Gepaid: CAL000121946
 Contact: SUE ASANO
 Telephone: 4154598807
 Mailing Name: Not reported
 Mailing Address: 2980 KERNER BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015578
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Treatment, Tank
 Tons: 0.01
 Facility County: Not reported

Year: 2002
 Gepaid: CAL000121946
 Contact: SUE ASANO
 Telephone: 4154598807
 Mailing Name: Not reported
 Mailing Address: 2980 KERNER BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015578
 Gen County: Marin
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Not reported
 Disposal Method: Treatment, Tank
 Tons: Not reported
 Facility County: Not reported

Year: 2002
 Gepaid: CAL000121946
 Contact: SUE ASANO
 Telephone: 4154598807
 Mailing Name: Not reported
 Mailing Address: 2980 KERNER BLVD
 Mailing City,St,Zip: SAN RAFAEL, CA 949015578
 Gen County: Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

PHOTO WASTE RECYCLING CO. INC. (Continued)

S102331624

TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Not reported
 Disposal Method: Recycler
 Tons: Not reported
 Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 87 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:

EPA Id: CAL000121946
 Latitude: 37.95142
 Longitude: -122.4935
 Facility Type: Historical - Non-Operating
 Cleanup Status: PROTECTIVE FILER
 Supervisor: Not reported
 Site Code: Not reported
 Assembly District: 10
 Senate District: 2
 Public Information Officer: Not reported

Activities:

EPA Id: CAL000121946
 Facility Type: Historical - Non-Operating
 Unit Names: Silver Recovery
 Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
 Actual Date: 11/4/1998

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**SAN QUENTIN SOLID WASTE DISPOSAL SITE
 1615 FRANCISCO BLVD
 SAN RAFAEL, CA 94901**

**SWF/LF S101481142
 LDS N/A
 ENF
 HAZNET
 ENVIROSTOR**

SWF/LF (SWIS):

Region: STATE
 Facility ID: 21-AA-0003
 Lat/Long: 37.9536099 / -122.49025
 Owner Name: Cal-Pox Inc
 Owner Telephone: 4154578850
 Owner Address: Not reported
 Owner Address2: P.O. Box 1057
 Owner City,St,Zip: Mill Valley, CA 94942
 Operator: Cal-Pox, Inc.
 Operator Phone: 4154578850
 Operator Address: Not reported
 Operator Address2: P.O. Box 2126
 Operator City,St,Zip: San Rafael, CA 94912
 Operator's Status: Closed
 Permit Date: Not reported
 Permit Status: Not reported
 Permitted Acreage: 0
 Activity: Solid Waste Disposal Site
 Regulation Status: Surrendered
 Landuse Name: Commercial
 GIS Source: GPS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

Category: Disposal
 Unit Number: 01
 Inspection Frequency: Quarterly
 Accepted Waste: Not reported
 Closure Date: 01/01/1988
 Closure Type: Actual
 Disposal Acreage: 0
 SWIS Num: 21-AA-0003
 Waste Discharge Requirement Num: Not reported
 Program Type: Not reported
 Permitted Throughput with Units: 0
 Actual Throughput with Units: Not reported
 Permitted Capacity with Units: 0
 Remaining Capacity: 0
 Remaining Capacity with Units: Not reported

LDS:

Global Id: L10008112304
 Latitude: 37.95032
 Longitude: -122.4947
 Case Type: Land Disposal Site
 Status: Open
 Status Date: 01/01/1965
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Caseworker: VP
 Local Agency: Not reported
 RB Case Number: 2 215049001
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

ENF:

Region: 2
 Facility Id: 255450
 Agency Name: CAL POX INC. (San Quentin Solid Waste)
 Place Type: Waste Management Unit
 Place Subtype: Land fill
 Facility Type: Solid Waste Class III - nonhazardous solid wastes
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 37.951715
 Place Longitude: -122.49623
 SIC Code 1: 4953
 SIC Desc 1: Refuse Systems
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	2 215049001
Reg Measure Id:	145087
Reg Measure Type:	WDR
Region:	2
Order #:	01-022
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	04/02/2008
Effective Date:	02/21/2001
Expiration/Review Date:	02/21/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	225347
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	03/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 215049001
Description:	Multiple seeps were observed on the northern and western perimeter of San Quentin Landfill. One seep was flowing into a wetland. Three seep

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

samples were collected and elevated levels of unionized ammonia are being discharged to a wetland.

Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	255450
Agency Name:	CAL POX INC. (San Quentin Solid Waste)
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.951715
Place Longitude:	-122.49623
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	2 215049001
Reg Measure Id:	145087
Reg Measure Type:	WDR
Region:	2
Order #:	01-022
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	04/02/2008
Effective Date:	02/21/2001
Expiration/Review Date:	02/21/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	247884
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	08/13/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 215049001
Description:	See linked Violation for comments and Description
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	255450
Agency Name:	CAL POX INC. (San Quentin Solid Waste)
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.951715
Place Longitude:	-122.49623
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	2 215049001
Reg Measure Id:	145087
Reg Measure Type:	WDR
Region:	2
Order #:	01-022
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	04/02/2008
Effective Date:	02/21/2001
Expiration/Review Date:	02/21/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	247768
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/16/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 215049001

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

Description:	13267 Letter sent requesting work plan and time schedule for replacment of damaged wells during recent construction activites (also documentation that wells G-2R and G-8A are properly locked to prevent vandalism).
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	255450
Agency Name:	CAL POX INC. (San Quentin Solid Waste)
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.951715
Place Longitude:	-122.49623
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	2 215049001
Reg Measure Id:	145087
Reg Measure Type:	WDR
Region:	2
Order #:	01-022
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	04/02/2008
Effective Date:	02/21/2001
Expiration/Review Date:	02/21/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	225585
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	07/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/2/2000
Termination Date:	07/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 215049001
Description:	Not reported
Program:	LNDISP
Latest Milestone Completion Date:	10/02/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	255450
Agency Name:	CAL POX INC. (San Quentin Solid Waste)
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.951715
Place Longitude:	-122.49623
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
# Of Programs:	1
WDID:	2 215049001
Reg Measure Id:	145087
Reg Measure Type:	WDR
Region:	2
Order #:	01-022
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	04/02/2008
Effective Date:	02/21/2001
Expiration/Review Date:	02/21/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	223305
Region:	2
Order / Resolution Number:	82-011
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/24/1982
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

Status:	Historical
Title:	Enforcement - 2 215049001
Description:	CEASE DISCHARGE OF LEACHATE. SURFACE DRAINAGE INADEQUATE
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

HAZNET:

Year:	1996
Gepaid:	CAC001201640
Contact:	SAN QUENTIN DISPOSAL CORP
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 2126
Mailing City,St,Zip:	SAN RAFAEL, CA 949122126
Gen County:	Marin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill
Tons:	182.0448
Facility County:	Marin

Year:	1995
Gepaid:	CAC001201640
Contact:	SAN QUENTIN DISPOSAL CORP
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 2126
Mailing City,St,Zip:	SAN RAFAEL, CA 949122126
Gen County:	Marin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Injection Well
Tons:	.0000
Facility County:	Marin

Year:	1995
Gepaid:	CAC001201640
Contact:	SAN QUENTIN DISPOSAL CORP
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 2126
Mailing City,St,Zip:	SAN RAFAEL, CA 949122126
Gen County:	Marin
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

Tons: 136.6816
 Facility County: Marin

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21490002
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 09/09/1987
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.95057
 Longitude: -122.4939
 APN: 00932046
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: BAYVIEW BUSINESS PARK (CAR LOTS)
 Alias Type: Alternate Name
 Alias Name: 00932046
 Alias Type: APN
 Alias Name: 21490002
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 08/27/1987
 Comments: FACILITY IDENTIFIED MARIN CO HEALTH DEPARTMENT FAIRLY EXTENSIVE FILE FOUND RWQCB SF BAY REGION FAIR EXTENSIVE FILE FOUND DHS TOXICS NCCS NO FILE FOUND

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 06/30/1987
 Comments: FACILITY IDENTIFIED DEPARTMENT OF FISH AND GAME CALIFORNIA WASTE MANAGEMENT BOARD 21-AA-0003 (SWIS) CLOSED LANDFILL; OFF-SITE GAS MIGRATION EXPLOSION / FIRE BURNED MEN 06-86 FACILITY DRIVE-BY

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SAN QUENTIN SOLID WASTE DISPOSAL SITE (Continued)

S101481142

Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: THIS SITE IS RANKED NUMBER 3 ON THE STATE WATER BOARD CALDERON LIST AND THUS IS SCHEDULED FOR REVIEW/ACTION BY THE WATER BOARD.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 08/31/1987
 Comments: PRELIM ASSESS DONE SITE HAS MOVED FROM RANK 5 CALDERON LIST TO IMMEDIATE MITIGATION. PENDING STATUS WITH FOLLOW UP IN 6 MOS.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/28/1987
 Comments: SITE SCREENING DONE RATIONALE FOR PA: 1984 ALLEGATION THAT SITE MAY HAVE RECEIVED HAZARDOUS WASTES.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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**BAYVIEW BUSINESS PARK
 PELICAN WAY & KERNER AVENUE
 SAN RAFAEL, CA 94901**

**ENVIROSTOR S100185584
 N/A**

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21490001
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 05/01/1987
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.95194
 Longitude: -122.4947
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: 10097, 10198, 20011

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

BAYVIEW BUSINESS PARK (Continued)

S100185584

Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 21490001
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/22/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: SITE IS FORMER LANDFILL AND IS PENDING WATER BOARD REVIEW/ACTION.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Assessment Report
 Completed Date: 05/01/1987
 Comments: PRELIM ASSESS DONE SITE IS A FORMER LANDFILL CURR BEING DEVELOP AS A BUSINESS PARK. MONITORING PROGRAM NEVER IMPLEMENTED.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 02/24/1987
 Comments: SITE SCREENING DONE RATIONALE FOR PA: 1984 ALLEGATION THAT SITE MAY HAVE RECEIVED HAZARDOUS WASTES.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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**GHILOTTI BROTHERS DISPOSAL SITE
 FRANCISCO BOULEVARD AND PELICAN
 SAN RAFAEL, CA 94901**

**ENVIROSTOR S101481144
 N/A**

ENVIROSTOR:

Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Facility ID: 21490009
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: * Rural County Survey Program
 Status: Refer: RWQCB
 Status Date: 11/09/1989

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

GHILOTTI BROTHERS DISPOSAL SITE (Continued)

S101481144

Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Not reported
 Latitude: 37.94944
 Longitude: -122.4927
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: 21490009
 Alias Type: Envirostor ID Number

Completed Info:
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Discovery
 Completed Date: 11/09/1989
 Comments: FACILITY IDENTIFIED SWIS (21-AA-0004) CALIFORNIA WASTE MANAGEMENT BOARD CLOSED LANDFILL; SUPPOSEDLY AN INERT MATERIAL/DEMO SITE; RANKED NUMBER 5 ON STATE WRCB CALDERON LIST

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Screening
 Completed Date: 12/15/1989
 Comments: SITE SCREENING DONE ACTION STATUS RATIONALE: SITE IS PENDING WATER BOARD REVIEW/ACTION.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

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**MAXWELL THE CLEANERS
 1401 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939**

**RCRA NonGen / NLR 1000698107
 FINDS CAD983599853
 DRYCLEANERS
 HAZNET
 EMI**

RCRA NonGen / NLR:
 Date form received by agency: 06/30/2006
 Facility name: MAXWELL THE CLEANERS
 Facility address: 1401 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939
 EPA ID: CAD983599853
 Mailing address: 747 B ST
 FIRST FLOOR
 SAN RAFAEL, CA 94901
 Contact: BARBARA OWENS
 Contact address: 1401 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939
 Contact country: US

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAXWELL THE CLEANERS (Continued)

1000698107

Contact telephone: 415-721-2290
 Contact email: Not reported
 EPA Region: 09
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BARBARA OWENS
 Owner/operator address: 1401 LARKSPUR LANDING CIRCLE
 LARKSPUR, CA 94939
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 461-4943
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 03/02/1992
 Facility name: MAXWELL THE CLEANERS
 Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002418919

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAXWELL THE CLEANERS (Continued)

1000698107

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

DRYCLEANERS:

EPA Id: CAD983599853
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 08/08/1991
 Facility Active: No
 Inactive Date: 06/30/2005
 Facility Addr2: Not reported
 Owner Name: BARBARA OWENS
 Owner Address: 747 B ST STE 3
 Owner Address 2: Not reported
 Owner Telephone: 4157212290
 Contact Name: BARBARA OWENS, SECY
 Contact Address: 747 B ST STE 3
 Contact Address 2: Not reported
 Contact Telephone: 4157212290

EPA Id: CAL000336229
 NAICS Code: 81232
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 SIC Code: 7211
 SIC Description: Power Laundries, Family and Commercial
 Create Date: 09/11/2008
 Facility Active: Yes
 Inactive Date: Not reported
 Facility Addr2: Not reported
 Owner Name: TONY TEA YOON
 Owner Address: 1401 LARKSPUR LANDING CIR
 Owner Address 2: Not reported
 Owner Telephone: 4154614943
 Contact Name: DON SHIN
 Contact Address: 1401 LARKSPUR LANDING CIR
 Contact Address 2: Not reported
 Contact Telephone: 4154614943

HAZNET:

Year: 2011
 Gepaid: CAD983599853
 Contact: BARBARA OWENS, SECY
 Telephone: 4157212290
 Mailing Name: Not reported
 Mailing Address: 747 B ST STE 3
 Mailing City,St,Zip: SAN RAFAEL, CA 949013874
 Gen County: Not reported
 TSD EPA ID: CA0000084517

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAXWELL THE CLEANERS (Continued)

1000698107

TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.05
 Facility County: Marin

Year: 2011
 Gepaid: CAD983599853
 Contact: BARBARA OWENS, SECY
 Telephone: 4157212290
 Mailing Name: Not reported
 Mailing Address: 747 B ST STE 3
 Mailing City,St,Zip: SAN RAFAEL, CA 949013874
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.11
 Facility County: Marin

Year: 2010
 Gepaid: CAD983599853
 Contact: BARBARA OWENS, SECY
 Telephone: 4157212290
 Mailing Name: Not reported
 Mailing Address: 747 B ST STE 3
 Mailing City,St,Zip: SAN RAFAEL, CA 949013874
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Not reported
 Tons: 0.035
 Facility County: Marin

Year: 2010
 Gepaid: CAD983599853
 Contact: BARBARA OWENS, SECY
 Telephone: 4157212290
 Mailing Name: Not reported
 Mailing Address: 747 B ST STE 3
 Mailing City,St,Zip: SAN RAFAEL, CA 949013874
 Gen County: Not reported
 TSD EPA ID: CA0000084517
 TSD County: Not reported
 Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.025
 Facility County: Marin

Year: 2010
 Gepaid: CAD983599853
 Contact: BARBARA OWENS, SECY
 Telephone: 4157212290

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAXWELL THE CLEANERS (Continued)

1000698107

Mailing Name: Not reported
 Mailing Address: 747 B ST STE 3
 Mailing City,St,Zip: SAN RAFAEL, CA 949013874
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.06
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 28 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1995
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1996
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1997
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAXWELL THE CLEANERS (Continued)

1000698107

Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1998
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1999
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 1
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAXWELL THE CLEANERS (Continued)

1000698107

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2001
County Code:	21
Air Basin:	SF
Facility ID:	6106
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2002
County Code:	21
Air Basin:	SF
Facility ID:	6106
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2003
County Code:	21
Air Basin:	SF
Facility ID:	6106
Air District Name:	BA
SIC Code:	7216
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0
Year:	2004
County Code:	21
Air Basin:	SF

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAXWELL THE CLEANERS (Continued)

1000698107

Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.54
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2005
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2006
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .59
 Reactive Organic Gases Tons/Yr: .128
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

MAXWELL THE CLEANERS (Continued)

1000698107

Total Organic Hydrocarbon Gases Tons/Yr: .59
 Reactive Organic Gases Tons/Yr: .128
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2007
 County Code: 21
 Air Basin: SF
 Facility ID: 6106
 Air District Name: BA
 SIC Code: 7216
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: .59
 Reactive Organic Gases Tons/Yr: .316622
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 0
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

81

**SANITARY DISTRICT NO 1 OF MARIN COUNTY
 2000 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939**

**RCRA-SQG 1001492863
 FINDS CAR000055921**

RCRA-SQG:

Date form received by agency: 08/27/1999
 Facility name: SANITARY DISTRICT NO 1 OF MARIN COUNTY
 Facility address: 2000 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939
 EPA ID: CAR000055921
 Contact: NED ONAGRO
 Contact address: 2000 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939
 Contact country: US
 Contact telephone: (415) 461-1122
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: COUNTY OF MARIN
 Owner/operator address: 2000 LARKSPUR LANDING CIR
 LARKSPUR, CA 94939
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 461-1122
 Legal status: County
 Owner/Operator Type: Owner

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANITARY DISTRICT NO 1 OF MARIN COUNTY (Continued)

1001492863

Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Historical Generators:

Date form received by agency: 08/27/1999
 Facility name: SANITARY DISTRICT NO 1 OF MARIN COUNTY
 Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D000
 Waste name: Not Defined

 Waste code: D009
 Waste name: MERCURY

Violation Status: No violations found

FINDS:

Registry ID: 110002929626

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANITARY DISTRICT #1 OF MARIN COUNTY (Continued)

S103639760

Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 02/01/2007
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: 09/02/2010
 Discharge Name: Marin Cnty Sanitary District #1
 Discharge Address: 1310 Andersen Dr
 Discharge City: San Rafael
 Discharge State: California
 Discharge Zip: 94901

HAZNET:

Year: 1999
 Gepaid: CAC001321280
 Contact: SANITARY DIST #1 OF MARIN CNTY
 Telephone: 4154611122
 Mailing Name: Not reported
 Mailing Address: 2000 LARKSPUR LANDING CIR
 Mailing City,St,Zip: LARKSPUR, CA 949391828
 Gen County: Marin
 TSD EPA ID: CAD981382732
 TSD County: 1
 Waste Category: Asbestos containing waste
 Disposal Method: Disposal, Land Fill
 Tons: 0.1685
 Facility County: Marin

Year: 1999
 Gepaid: CAC001321280
 Contact: SANITARY DIST #1 OF MARIN CNTY
 Telephone: 4154611122
 Mailing Name: Not reported
 Mailing Address: 2000 LARKSPUR LANDING CIR
 Mailing City,St,Zip: LARKSPUR, CA 949391828
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Other organic solids
 Disposal Method: Transfer Station
 Tons: 0.1
 Facility County: Marin

Year: 1999
 Gepaid: CAC001321280
 Contact: SANITARY DIST #1 OF MARIN CNTY
 Telephone: 4154611122
 Mailing Name: Not reported
 Mailing Address: 2000 LARKSPUR LANDING CIR
 Mailing City,St,Zip: LARKSPUR, CA 949391828
 Gen County: Marin
 TSD EPA ID: CAD028409019
 TSD County: Los Angeles
 Waste Category: Other inorganic solid waste
 Disposal Method: Transfer Station
 Tons: 0.04
 Facility County: Marin

Year: 1997

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANITARY DISTRICT #1 OF MARIN COUNTY (Continued)

S103639760

Gepaid: CAC000764672
 Contact: SANITARY DIST #1 OF MARIN COUN
 Telephone: 4154611122
 Mailing Name: Not reported
 Mailing Address: 2000 LARKSPUR LANDING CIRCLE
 Mailing City,St,Zip: LARKSPUR, CA 949391828
 Gen County: Marin
 TSD EPA ID: CAD009466392
 TSD County: 7
 Waste Category: Other empty containers 30 gallons or more
 Disposal Method: Disposal, Other
 Tons: .5000
 Facility County: Marin

Year: 1997
 Gepaid: CAC000764672
 Contact: SANITARY DIST #1 OF MARIN COUN
 Telephone: 4154611122
 Mailing Name: Not reported
 Mailing Address: 2000 LARKSPUR LANDING CIRCLE
 Mailing City,St,Zip: LARKSPUR, CA 949391828
 Gen County: Marin
 TSD EPA ID: CAL000048571
 TSD County: Santa Clara
 Waste Category: Waste oil and mixed oil
 Disposal Method: Not reported
 Tons: 1.6054
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access
 2 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 10.67
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Claude Jemison
 Supervisor: Karen Toth
 Division Branch: Cleanup Berkeley
 Facility ID: 60000693
 Site Code: Not reported
 Assembly: 10
 Senate: 02
 Special Program: Not reported
 Status: No Further Action
 Status Date: 10/20/2006
 Restricted Use: NO
 Site Mgmt. Req.: NONE SPECIFIED
 Funding: Responsible Party
 Latitude: 37.94586
 Longitude: -122.5057
 APN: 01826003
 Past Use: UNKNOWN
 Potential COC: 30018

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANITARY DISTRICT #1 OF MARIN COUNTY (Continued)

S103639760

Confirmed COC: 30018
 Potential Description: SOIL
 Alias Name: 01826003
 Alias Type: APN
 Alias Name: 60000693
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 10/20/2006
 Comments: DTSC determines that no further action is necessary with respect to investigation and remediation of hazardous substances at the property.
 Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 06/30/2004
 Comments: Report was part of a submittal for a CEQA review.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 06/23/2004
 Comments: DTSC determines that no further action is necessary with respect to investigation and remediation of hazardous substances at the property.
 Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: *Correspondence - Received
 Completed Date: 11/18/2004
 Comments: Letter requested clarification on specific samples and sampling methods utilized for the sampling event, that confirmation samples for arsenic should be conducted and leanup criteria for PCB should meet residential level.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 01/05/2001
 Comments: Groundwater is significantly free of mercury contamination.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 05/02/2006
 Comments: The results from the removal of contaminated soil.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 06/12/2000
 Comments: Summary of characterization of former wastewater treatment facility.
 This document included as background information and was not prepared under DTSC oversight.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SANITARY DISTRICT #1 OF MARIN COUNTY (Continued)

S103639760

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 09/01/1996
 Comments: Phase 1 Environmental site assessment with sampling conducted. This document was not prepared under DTSc oversight but is uploaded as background information.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: *Correspondence - Received
 Completed Date: 02/10/2005
 Comments: Reports received

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 07/05/2006
 Comments: Results of subsurface investigation of soil and groundwater at the former Aboveground Storage Tank Locations. Soil samples collected from 7 boreholes and groundwater collected from two boreholes. This investigation was not overseen by DTSC but is included as background information.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: *Correspondence - Received
 Completed Date: 08/12/2005
 Comments: Response to DTSC's comments on the Negative Declaration and it's attached Phse 2 report.

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

82

**LIFESOURCE INC
 900 LARKSPUR LANDING CIR #250
 LARKSPUR, CA 94939**

**RCRA-SQG 100022222
 FINDS CAD981651771**

RCRA-SQG:

Date form received by agency: 01/23/1987
 Facility name: LIFESOURCE INC
 Facility address: 900 LARKSPUR LANDING CIR #250
 LARKSPUR, CA 94939
 EPA ID: CAD981651771
 Mailing address: LARKSPUR LANDING CIR #250
 LARKSPUR, CA 94939
 Contact: ENVIRONMENTAL MANAGER
 Contact address: 900 LARKSPUR LANDING CIR #250
 LARKSPUR, CA 94939
 Contact country: US
 Contact telephone: (415) 461-0300

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LIFESOURCE INC (Continued)

1000222222

Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NORMAN C PLUMMER
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999

Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002737842

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LIFESOURCE INC (Continued)

1000222222

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

83

**PG&E FORMER SUBSTATION - KENTFIELD
 925 - 929 SIR FRANCIS DRAKE BLVD
 KENTFIELD, CA**

**SLIC S106234962
 N/A**

SLIC:

Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	05/28/2003
Global Id:	SL0604100914
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.9525760148148
Longitude:	-122.545331753704
Case Type:	Cleanup Program Site
Case Worker:	JMJ
Local Agency:	Not reported
RB Case Number:	21S0040
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Arsenic
Site History:	Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 2:

Region:	2
Facility ID:	21S0040
Facility Status:	Case Closed
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**83 SHELL SERVICE STATION
 295 SIR FRANCIS DRAKE BLVD
 LARKSPUR, CA 94939**

**HIST CORTESE S104894712
 SWEEPS UST N/A**

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0232

SWEEPS UST:

Status: Not reported
 Comp Number: 56755
 Number: Not reported
 Board Of Equalization: Not reported
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-000-056755-000004
 Actv Date: Not reported
 Capacity: 550
 Tank Use: OIL
 Stg: WASTE
 Content: WASTE OIL
 Number Of Tanks: 1

Status: Active
 Comp Number: 56755
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 08-26-93
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 1
 Swrcb Tank Id: 21-000-056755-000001
 Actv Date: 07-01-85
 Capacity: 550
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: 4

Status: Active
 Comp Number: 56755
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 08-26-93
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 2
 Swrcb Tank Id: 21-000-056755-000002
 Actv Date: 07-01-85
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: P

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

SHELL SERVICE STATION (Continued)

S104894712

Content: LEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 56755
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 08-26-93
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 3
 Swrcb Tank Id: 21-000-056755-000003
 Actv Date: 07-01-85
 Capacity: 5000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 56755
 Number: 1
 Board Of Equalization: Not reported
 Referral Date: 08-26-93
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 5
 Swrcb Tank Id: 21-000-056755-000005
 Actv Date: 07-01-85
 Capacity: 8000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

83

**SHELL
 295 SIR FRANCIS DRAKE BLVD
 LARKSPUR, CA 94939**

**LUST U003761873
 N/A**

LUST REG 2:
 Region: 2
 Facility Id: 21-0232
 Facility Status: Case Closed
 Case Number: 21-0232
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 12/15/1994
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 8/13/1997
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**83 BENJIE PICARD/KATHY KOTULAK
 295 SIR FRANCIS DRAKE
 LARKSPUR, CA 94939**

**LUST U001600189
 HIST UST N/A**

LUST:

Region: STATE
 Global Id: T0604100219
 Latitude: 37.945283
 Longitude: -122.519177
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 02/05/1998
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: MARIN COUNTY
 RB Case Number: 21-0232
 LOC Case Number: 21-0232
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0604100219
 Contact Type: Local Agency Caseworker
 Contact Name: UNK
 Organization Name: MARIN COUNTY
 Address: Not reported
 City: r2 UNKNOWN
 Email: Not reported
 Phone Number: Not reported

Global Id: T0604100219
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100219
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Discovery

Global Id: T0604100219
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Reported

Global Id: T0604100219
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

BENJIE PICARD/KATHY KOTULAK (Continued)

U001600189

HIST UST:

Region: STATE
 Facility ID: 00000056755
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0005
 Contact Name: Not reported
 Telephone: 4154614277
 Owner Name: SHELL OIL COMPANY
 Owner Address: P.O. BOX 4848
 Owner City,St,Zip: ANAHEIM, CA 92803

Tank Num: 001
 Container Num: 1
 Year Installed: Not reported
 Tank Capacity: 00000550
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Tank Construction: 1/4 gauge
 Leak Detection: Stock Inventor, 10

Tank Num: 002
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 003
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00005000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 004
 Container Num: 4
 Year Installed: Not reported
 Tank Capacity: 00007500
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

Tank Num: 005
 Container Num: 5
 Year Installed: Not reported
 Tank Capacity: 00008000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Tank Construction: 1/4 inches
 Leak Detection: Stock Inventor, 10

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site
 Database(s)
 EDR ID Number
 EPA ID Number

83 CHEVRON SS #9-8933
 301 SIR FRANCIS DRAKE
 GREENBRAE, CA 94904

HIST CORTESE S103650926
 LUST N/A
 SWEEPS UST
 ENF
 HAZNET

CORTESE:

Region: CORTESE
 Facility County Code: 21
 Reg By: LTNKA
 Reg Id: 21-0025

LUST:

Region: STATE
 Global Id: T0604100024
 Latitude: 37.945354
 Longitude: -122.519344
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/23/2006
 Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
 Case Worker: JMJ
 Local Agency: MARIN COUNTY
 RB Case Number: 21-0025
 LOC Case Number: 21-0025
 File Location: Not reported
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0604100024
 Contact Type: Local Agency Caseworker
 Contact Name: UNK
 Organization Name: MARIN COUNTY
 Address: Not reported
 City: r2 UNKNOWN
 Email: Not reported
 Phone Number: Not reported

Global Id: T0604100024
 Contact Type: Regional Board Caseworker
 Contact Name: JOHN JANG
 Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
 Address: 1515 CLAY STREET, SUITE 1400
 City: OAKLAND
 Email: jjang@waterboards.ca.gov
 Phone Number: Not reported

LUST:

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 11/18/2004
 Action: File review

Global Id: T0604100024
 Action Type: ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON SS #9-8933 (Continued)

S103650926

Date:	11/29/2004
Action:	Staff Letter
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	10/25/2001
Action:	Staff Letter
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	07/09/2003
Action:	* Verbal Communication
Global Id:	T0604100024
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	01/31/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	12/14/2005
Action:	Notification - Preclosure
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	07/31/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	10/03/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	07/06/2005
Action:	* Verbal Communication

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON SS #9-8933 (Continued)

S103650926

Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	02/07/2006
Action:	* Verbal Communication
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	02/18/2006
Action:	* Verbal Communication
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	02/21/2006
Action:	* Verbal Communication
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	02/08/2006
Action:	Notification - Fee Title Owners Notice
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	03/23/2006
Action:	Closure/No Further Action Letter
Global Id:	T0604100024
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	06/03/2003
Action:	Other Report / Document
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	06/01/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0604100024
Action Type:	RESPONSE
Date:	06/02/2003
Action:	Other Report / Document
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	08/20/2002
Action:	File review
Global Id:	T0604100024
Action Type:	ENFORCEMENT
Date:	10/08/2004
Action:	* Verbal Communication
Global Id:	T0604100024
Action Type:	ENFORCEMENT

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON SS #9-8933 (Continued)

S103650926

Date: 10/05/2000
 Action: 13267 Monitoring Program

Global Id: T0604100024
 Action Type: RESPONSE
 Date: 10/31/2004
 Action: Monitoring Report - Quarterly

Global Id: T0604100024
 Action Type: RESPONSE
 Date: 01/15/2004
 Action: Monitoring Report - Quarterly

Global Id: T0604100024
 Action Type: Other
 Date: 01/01/1950
 Action: Leak Stopped

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 08/20/2002
 Action: Staff Letter

Global Id: T0604100024
 Action Type: RESPONSE
 Date: 12/20/2002
 Action: Other Report / Document

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 12/08/2005
 Action: * Verbal Communication

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 12/14/2005
 Action: * Verbal Communication

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 12/09/2005
 Action: * Verbal Communication

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 12/15/2005
 Action: * Verbal Communication

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 02/03/2006
 Action: * Verbal Communication

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 01/13/2006
 Action: * Verbal Communication

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON SS #9-8933 (Continued)

S103650926

Global Id: T0604100024
 Action Type: ENFORCEMENT
 Date: 02/02/2006
 Action: * Verbal Communication

Global Id: T0604100024
 Action Type: RESPONSE
 Date: 07/15/2003
 Action: Monitoring Report - Quarterly

LUST REG 2:

Region: 2
 Facility Id: 21-0025
 Facility Status: Preliminary site assessment workplan submitted
 Case Number: 21-0025
 How Discovered: Tank Closure
 Leak Cause: UNK
 Leak Source: UNK
 Date Leak Confirmed: 12/7/1994
 Oversight Program: LUST
 Prelim. Site Assesment Wokplan Submitted: 10/4/2000
 Preliminary Site Assesment Began: Not reported
 Pollution Characterization Began: Not reported
 Pollution Remediation Plan Submitted: Not reported
 Date Remediation Action Underway: Not reported
 Date Post Remedial Action Monitoring Began: Not reported

SWEEPS UST:

Status: Not reported
 Comp Number: 63160
 Number: Not reported
 Board Of Equalization: 44-031913
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-000-063160-000001
 Actv Date: Not reported
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: PRM UNLEADED
 Number Of Tanks: 5

Status: Not reported
 Comp Number: 63160
 Number: Not reported
 Board Of Equalization: 44-031913
 Referral Date: Not reported
 Action Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 21-000-063160-000002

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	63160
Number:	Not reported
Board Of Equalization:	44-031913
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	21-000-063160-000003
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	MID GRADE UN
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	63160
Number:	Not reported
Board Of Equalization:	44-031913
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	21-000-063160-000004
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	63160
Number:	Not reported
Board Of Equalization:	44-031913
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	21-000-063160-000005
Actv Date:	Not reported
Capacity:	1000
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON SS #9-8933 (Continued)

S103650926

Status: Active
 Comp Number: 63160
 Number: 1
 Board Of Equalization: 44-031913
 Referral Date: 01-17-94
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: UNKNOWN
 Swrcb Tank Id: 21-000-063160-000006
 Actv Date: 01-06-94
 Capacity: 1000
 Tank Use: OIL
 Stg: W
 Content: WASTE OIL
 Number Of Tanks: 5

Status: Active
 Comp Number: 63160
 Number: 1
 Board Of Equalization: 44-031913
 Referral Date: 01-17-94
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 147161
 Swrcb Tank Id: 21-000-063160-000007
 Actv Date: 01-17-94
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: PLUS UNLEADE
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 63160
 Number: 1
 Board Of Equalization: 44-031913
 Referral Date: 01-17-94
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 147161
 Swrcb Tank Id: 21-000-063160-000008
 Actv Date: 01-17-94
 Capacity: 10000
 Tank Use: M.V. FUEL
 Stg: P
 Content: PRM UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 63160
 Number: 1
 Board Of Equalization: 44-031913
 Referral Date: 01-17-94
 Action Date: 04-11-94

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 147161N
 Swrcb Tank Id: 21-000-063160-000009
 Actv Date: 01-17-94
 Capacity: 1000
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 63160
 Number: 1
 Board Of Equalization: 44-031913
 Referral Date: 01-17-94
 Action Date: 04-11-94
 Created Date: 12-31-88
 Tank Status: A
 Owner Tank Id: 147161
 Swrcb Tank Id: 21-000-063160-000010
 Actv Date: 01-17-94
 Capacity: 12000
 Tank Use: M.V. FUEL
 Stg: P
 Content: DIESEL
 Number Of Tanks: Not reported

ENF:

Region: 2
 Facility Id: 217558
 Agency Name: CHEVRON Environmental Management Company Att.: Mr. Eric Frohnapple, Project Manager
 Place Type: Facility
 Place Subtype: Not reported
 Facility Type: All other facilities
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 37.9456610
 Place Longitude: -122.52037
 SIC Code 1: Not reported
 SIC Desc 1: Not reported
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported
 # Of Places: 1
 Source Of Facility: Reg Meas
 Design Flow: Not reported
 Threat To Water Quality: Not reported
 Complexity: Not reported
 Pretreatment: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0025
Reg Measure Id:	169415
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238182
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/25/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0025
Description:	Requirement for Technical Report
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Region:	2
Facility Id:	217558
Agency Name:	CHEVRON Environmental Management Company Att.: Mr. Eric Frohnapple, Project Manager
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9456610
Place Longitude:	-122.52037
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0025
Reg Measure Id:	169415
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237082
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/5/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0025
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	10/05/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2
Facility Id:	217558
Agency Name:	CHEVRON Environmental Management Company Att.: Mr. Eric Frohnapple, Project Manager
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9456610
Place Longitude:	-122.52037
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0025
Reg Measure Id:	169415
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237083
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/5/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0025
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	10/05/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	2

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Facility Id:	217558
Agency Name:	CHEVRON Environmental Management Company Att.: Mr. Eric Frohnapple, Project Manager
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	37.9456610
Place Longitude:	-122.52037
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	2 21-0025
Reg Measure Id:	169415
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	237084
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 21-0025
Description:	Not reported
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0

HAZNET:

Year:	2011
Gepaid:	CAR000125179
Contact:	Waste Tracking Personnel
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD009466392
TSD County:	Not reported
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Other Treatment
Tons:	0.2
Facility County:	Marin

Year:	2011
Gepaid:	CAR000125179
Contact:	Waste Tracking Personnel
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Other Treatment
Tons:	0.01
Facility County:	Marin

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

CHEVRON SS #9-8933 (Continued)

S103650926

Year: 2011
 Gepaid: CAR000125179
 Contact: Waste Tracking Personnel
 Telephone: 8773866044
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD982444481
 TSD County: Not reported
 Waste Category: Other organic solids
 Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
 Tons: 0.025
 Facility County: Marin

Year: 2011
 Gepaid: CAR000125179
 Contact: Waste Tracking Personnel
 Telephone: 8773866044
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD044429835
 TSD County: Not reported
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.0175
 Facility County: Marin

Year: 2011
 Gepaid: CAR000125179
 Contact: Waste Tracking Personnel
 Telephone: 8773866044
 Mailing Name: Not reported
 Mailing Address: PO BOX 6004
 Mailing City,St,Zip: SAN RAMON, CA 945830000
 Gen County: Not reported
 TSD EPA ID: CAD044429835
 TSD County: Not reported
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
 (H010-H129) Or (H131-H135)
 Tons: 0.1292
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 40 additional CA_HAZNET: record(s) in the EDR Site Report.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

**84 LARKSPUR FERRY TERMINAL
 101 E SIR FRANCIS DRAKE BLVD
 LARKSPUR, CA 94939**

**WDS S100179340
 NPDES N/A
 Notify 65
 HAZNET**

CA WDS:

Facility ID: San Francisco Bay 211003103
 Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 2
 Facility Telephone: Not reported
 Facility Contact: Not reported
 Agency Name: GOLDEN GATE BRIDGE
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Not reported
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

NPDES:

Npdes Number: CAS000001
 Facility Status: Active
 Agency Id: 0
 Region: 2
 Regulatory Measure Id: 182135
 Order No: 97-03-DWQ
 Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 2 211003103
 Program Type: Industrial
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 04/02/1992
 Expiration Date Of Regulatory Measure: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

LARKSPUR FERRY TERMINAL (Continued)

S100179340

Termination Date Of Regulatory Measure: Not reported
 Discharge Name: Golden Gate Bridge Hwy and Trans District
 Discharge Address: PO Box 9000 Presidio Station
 Discharge City: San Francisco
 Discharge State: California
 Discharge Zip: 94129

Notify 65:

Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 92806

HAZNET:

Year: 2011
 Gepaid: CAL000111825
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 101 E SIR FRANCIS DRAKE BLVD
 Mailing City,St,Zip: LARKSPUR, CA 949390000
 Gen County: Not reported
 TSD EPA ID: CAL000190818
 TSD County: Not reported
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 3.61
 Facility County: Marin

Year: 2011
 Gepaid: CAL000111825
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 101 E SIR FRANCIS DRAKE BLVD
 Mailing City,St,Zip: LARKSPUR, CA 949390000
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Other still bottom waste
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.12
 Facility County: Marin

Year: 2011
 Gepaid: CAL000111825
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 101 E SIR FRANCIS DRAKE BLVD
 Mailing City,St,Zip: LARKSPUR, CA 949390000
 Gen County: Not reported
 TSD EPA ID: CAD980887418

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LARKSPUR FERRY TERMINAL (Continued)

S100179340

TSD County: Not reported
 Waste Category: Waste oil and mixed oil
 Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
 Tons: 8.5044
 Facility County: Marin

Year: 2011
 Gepaid: CAL000111825
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 101 E SIR FRANCIS DRAKE BLVD
 Mailing City,St,Zip: LARKSPUR, CA 949390000
 Gen County: Not reported
 TSD EPA ID: CAD980887418
 TSD County: Not reported
 Waste Category: Waste oil and mixed oil
 Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
 Tons: 71.5008
 Facility County: Marin

Year: 2011
 Gepaid: CAL000111825
 Contact: DAVID DENNING/EH&S SPECIALIST
 Telephone: 4152574519
 Mailing Name: Not reported
 Mailing Address: 101 E SIR FRANCIS DRAKE BLVD
 Mailing City,St,Zip: LARKSPUR, CA 949390000
 Gen County: Not reported
 TSD EPA ID: TXD077603371
 TSD County: Not reported
 Waste Category: Off-specification, aged or surplus organics
 Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
 Tons: 0.2
 Facility County: Marin

[Click this hyperlink](#) while viewing on your computer to access 73 additional CA_HAZNET: record(s) in the EDR Site Report.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CORTE MADERA	U003914661	MMWD	INDUSTRIAL	94925	UST
CORTE MADERA	U003975003	SHOREBIRD MARSH PUMP STATION (TOWN OF CM)	INDUSTRIAL WAY	94904	UST
CORTE MADERA	U003975056	VILLAGE PUMP STATION (TOWN OF CM) NWRR	INDUSTRIAL WAY	94904	UST
CORTE MADERA	S103957701	CLASSICO SAN FRANCISCO INC	15 B KOCH RD	94925	HAZNET
CORTE MADERA	1001492852	WIRELESS STOCKROOM	65 A KOCH RD	94925	RCRA-SQG, FINDS
CORTE MADERA	S105762400	EXXON	200 NELLEN AVE	94925	LUST, HIST UST, SWEEPS UST
CORTE MADERA	S101481141	CORTE MADERA NELLIN AVE. CONNECTOR	NELLIN AVE AT TAMAL VISTA DR	94925	ENVIROSTOR
CORTE MADERA	1000189056	WINCUP HOLDINGS LIMITED PARTNERSHIP	195 TAMAL VISTA BLVD	94925	RCRA-SQG, FINDS, HIST UST, US AIRS
GREENBRAE	S111855020	UC SAN FRANCISCO	1300TH S ELISEO DR STE & 202ND	94904	HAZNET
KENTFIELD	U003982176	BOYCE RESIDENCE	19 MEADOW WAY	94904	UST
LARKSPUR	1004440966	CITY OF LARKSPUR	200 DOUGHERTY DRIVE	94939	FINDS, EMI
LARKSPUR	U004130063	LARKSPUR FERRY TERMINAL	LARKSPUR FRY	94939	UST
LARKSPUR	94400920	LARKSPUR FRESY - 101 S. SIR FRANCIS DRAKE	LARKSPUR FRESY - 101 S. SIR FRANCIS DRAKE	94939	ERNS
LARKSPUR	2001558257	LARKSPUR FERRY TERMINAL	LARKSPUR FERRY TERMINAL	94939	ERNS
LARKSPUR	2011967022	560 MAGNOLIA AVENUE, LARKSPUR MARIN COUNTY, CALIFORNIA 560 M	560 MAGNOLIA AVE	94939	ERNS
LARKSPUR	1011603899	LARKSPUR FERRY CHANNEL	EAST OF LARKSPUR (APPROX 0.5 MILES OFF SHORE) LARKSPUR C	94939	ICIS
LARKSPUR	1007128876	LARKSPUR FERRY CHANNEL	EAST OF LARKSPUR (APPROX 0.5 MILES OFF SHORE)	94939	FINDS
LARKSPUR	S101481147	LARKSPUR DISPOSAL SITE	PIPER PARK ON DOHERTY DR	94939	ENVIROSTOR
LARKSPUR	U004190385	CHEVRON #20-4419	2066 REDWOOD HWY	94939	UST
LARKSPUR	92296074	101 E SIR FRANCIS DRAKE BLVD/LARKSPUR FERRY TERMINAL	101 E SIR FRANCIS DRAKE BLVD/LARKSPUR FERRY TERMINAL	94939	ERNS
MARIN COUNTY	M300006777	DUTRA MATERIALS	SAN RAFAEL TRAPROCK QUARRY		MINES
NOVATO	S110654558	CALTRANS	HWY 101	94901	LUST
NOVATO	1015732578	DEPARTMENT OF DEFENSE HOUSING FACILITY	BR HOUSING OFFICE	94939	CERC-NFRAP
RICHMOND	S109424325	CALTRANS-D4-MAINT-RICHMOND SAN RAFAEL BL	RICHMOND SAN RAFAEL BRIDGE EAST END	94964	HAZNET
SAN FRANCISCO	1010724691	SAN FRANCISCO ENERGY COGENERATION PLANT	INNES AVE. BETWEEN FITCH & EARL STS.	94901	FINDS
SAN FRANCISCO	S106568308	SAN FRANCISCO ENERGY COGENERATION PLANT	INNES AVE. BETWEEN FITCH / EARL STS.	94901	VCP, ENVIROSTOR
SAN QUENTIN	S106234955	SAN QUENTIN STATE PRISON	I 580 & MAIN ST	94964	SLIC
SAN QUENTIN	S106838854	SAN QUENTIN STATE PRISON	CALFRNA STT PRSN	94964	EMI
SAN QUENTIN	1006242910	SAN QUENTIN STATE PRISON	CALIFORNIA STATE PRISON	94964	FINDS
SAN QUENTIN	1009522583	SAN QUENTIN STATE PRISON,DEPT CORRECTION	PLANT OPERATIONS	94964	FTTS, HIST FTTS
SAN QUENTIN	1010731419	SAN QUENTIN CONDEMNED INMATE COMPLEX	SAN QUENTIN STATE PRISON	94964	FINDS
SAN QUENTIN	S107737261	SAN QUENTIN CONDEMNED INMATE COMPLEX	SAN QUENTIN PRISON STHY	94964	VCP, ENVIROSTOR
SAN QUENTIN	94370874	SAN QUENTIN PRISON WATERFRONT WAREHOUSE AREA FACES CORTE MAD	SAN QUENTIN PRISON WATERFRONT WAREHOUSE AREA FACES CORTE MAD	94964	ERNS
SAN QUENTIN	U003914745	SANITARY DISTRICT NO. 1-SAN QUENTIN	E SIR FRANCIS DRAKE BLVD	94964	UST
SAN RAFAEL	S100580184	1X BAHIA DE RAFAEL FOURPLEX H. O. A.	C & O STERLING PROPERTY MANAGEME		HAZNET
SAN RAFAEL	U001599993	WILLITS REDWOOD	1320 2ND ST	94901	HIST UST
SAN RAFAEL	S101624691	WILLITS REDWOOD/REDWOOD OIL CO	1320 2ND ST	94901	CA FID UST, SWEEPS UST
SAN RAFAEL	90188224	HWY 580 PM 2.06 ON THE SAN RAFAEL BRIDGE	HWY 580 PM 2.06 ON THE SAN RAFAEL BRIDGE	94901	ERNS

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN RAFAEL	U003914466	CAL TRANS DISTRICT 4	HWY 580 & MAIN ST	94901	UST
SAN RAFAEL	S106923916	CALTRANS MAINTENANCE FACILITY	HWY 580 / MAIN ST	94901	SWEEPS UST
SAN RAFAEL	94363374	ADJACENT TO #40 SIMMS AVE	ADJACENT TO #40 SIMMS AVE	94901	ERNS
SAN RAFAEL	S109422306	MARIN SANITARY SERVICE TYPE A INERT PROC	1050 ANDERSON DRIVE ON JACOBY ST		SWF/LF
SAN RAFAEL	S105026375	BELLAM BOULEVARD LANDFILL	BELLAM BLVD AT THE END OC	94901	HIST CORTESE
SAN RAFAEL	S101481151	BELLAM BOULEVARD LANDFILL	BELLAM BLVD	94901	ENVIROSTOR
SAN RAFAEL	93326711	BETWEEN SAN PABLO BAY AND SAN FRANCISCO BAY	BETWEEN SAN PABLO BAY AND SAN FRANCISCO BAY		ERNS
SAN RAFAEL	2011965269	SAN RAFAEL YACHT HARBOR 557 E. FRANCISCO BLVD. GATE 1	BLVD SAN RAFAEL YACHT HBR E		ERNS
SAN RAFAEL	91224436	CANAL ST. SAN RAFAEL PUMP HOUSE	CANAL ST	94901	ERNS
SAN RAFAEL	1003878927	PG&E GAS PLANT SAN RAFAEL 104 5	SW COR 3RD & LINDERO STS	94901	CERC-NFRAP
SAN RAFAEL	S109435794	ALMA VIA OF SAN RAFAEL	SW CORNER OF LOS RANCHITOS RD AN DR		NPDES
SAN RAFAEL	97412190	FAILURE OF SUBSURFACE TRANSFORMER / LEAKING OIL TO VAULT	FAILURE OF SUBSURFACE TRANSFORMER / LEAKING OIL TO VAULT		ERNS
SAN RAFAEL	S104156242	SAN QUENTIN SOLID WASTE DI	1615 FRANCISCO BLVD E	94901	WMUDS/SWAT, WDS
SAN RAFAEL	1015730655	SPECIFICATION CHROMIUM CORPORATION	712 FRANCISCO BLVD	94901	CERCLIS
SAN RAFAEL	S101624680	KERNER BLVD. PUMPING STATION	KERNER BLVD	94901	CA FID UST, SWEEPS UST
SAN RAFAEL	S102434394	DE MAESTRI DISTRIBUTING C	3195 KERNER BLVD	94901	HIST CORTESE, LUST
SAN RAFAEL	U004130059	MITCHELL RESIDENCE	97 MARINA CT	94901	UST
SAN RAFAEL	91225703	NEAR THE SAN RAFAEL PUMPING STATION	NEAR THE SAN RAFAEL PUMPING STATION		ERNS
SAN RAFAEL	99622306	NEAR 247 PT. SAN PEDRO RD.	NEAR 247 PT. SAN PEDRO RD.		ERNS
SAN RAFAEL	99609877	NEAR SAN RAFAEL CHANNEL SAN FRANCISCO BAY	NEAR SAN RAFAEL CHANNEL SAN FRANCISCO BAY		ERNS
SAN RAFAEL	99627839	EAST OF THE SAN RAFAEL BRIDGE	EAST OF THE SAN RAFAEL BRIDGE		ERNS
SAN RAFAEL	U003914819	WISOR RESIDENCE	POINT SAN PEDRO RD	94901	UST
SAN RAFAEL	96500004	SAN RAFAEL RIVER	SAN RAFAEL RIVER		ERNS
SAN RAFAEL	8721797	SAN RAFAEL CANAL NR:1620 CANAL ST.	SAN RAFAEL CANAL NR:1620 CANAL ST.		ERNS
SAN RAFAEL	91234483	SAN RAFAEL CANAL	SAN RAFAEL CANAL		ERNS
SAN RAFAEL	8873567	SAN RAFAEL CANAL NR SAN RAFAEL YACHT *87	SAN RAFAEL CANAL NR SAN RAFAEL YACHT 87		ERNS
SAN RAFAEL	8722289	SAN RAFAEL CREEK	SAN RAFAEL CREEK		ERNS
SAN RAFAEL	91216307	SAN RAFAEL CHANNEL	SAN RAFAEL CHANNEL		ERNS
SAN RAFAEL	96510052	SAN RAFAEL CANAL	SAN RAFAEL CANAL		ERNS
SAN RAFAEL	8720550	SAN RAFAEL CREEK	SAN RAFAEL CREEK		ERNS
SAN RAFAEL	2002594273	SAN RAFAEL CANAL	SAN RAFAEL CANAL	0	ERNS
SAN RAFAEL	94406859	SAN RAFAEL YACHT HARBOR	SAN RAFAEL YACHT HARBOR	94901	ERNS
SAN RAFAEL	1014677316	DUTRA MATERIALS/SAN RAFAEL ROC	SAN PEDRO RD	94901	FINDS
SAN RAFAEL	91217690	SAN RAFAEL CREEL	SAN RAFAEL CREEL	94901	ERNS
SAN RAFAEL	93325310	SAN RAFAEL BRIDGE TOWARD 100 NEAR COAST	SAN RAFAEL BRIDGE TOWARD 100 NEAR COAST	94901	ERNS
SAN RAFAEL	S105026378	WELLS PROPERTY	600 SEAVIEW	94901	HIST CORTESE
SAN RAFAEL	1010733253	PG&E SAN RAFAEL FORMER MGP	SECOND STREET AND LINDARO STREET	94901	FINDS
SAN RAFAEL	A100115794	SP TAYLOR	SIR FRANCIS DRAKE 15MI W.S.RAF	94901	AST
SAN RAFAEL	1003879412	CAPTAINS COVE	SMITH RANCH RD & GALLINA CRK	94901	CERC-NFRAP
SAN RAFAEL	1014676096	SAN RAFAEL	UNKNOWN	94901	FINDS
SAN RAFAEL	S105026379	BELLAM BOULEVARD LADNFILL	UNKNOWN BELLAM / CATALINA	94901	HIST CORTESE
SAN RAFAEL	1000251095	PACIFIC BELL	USHY 101 GREENBRAEINTRCH	94904	RCRA-SQG, FINDS
TAMAL	94376297	SAN QUENTIN STATE PRISON	SAN QUENTIN STATE PRISON	94964	ERNS
TAMAL	94370867	SAN QUENTIN	SAN QUENTIN	94964	ERNS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011	Source: EPA
Date Data Arrived at EDR: 08/31/2011	Telephone: 800-424-9346
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 11/12/2012
Number of Days to Update: 132	Next Scheduled EDR Contact: 02/25/2013
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/18/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/24/2012	Telephone: 703-603-0695
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/18/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/24/2012	Telephone: 703-603-0695
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 01/17/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/15/2013
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-366-4555
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 01/03/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/15/2013
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/06/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 54

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012	Source: EPA
Date Data Arrived at EDR: 03/14/2012	Telephone: 703-416-0223
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 12/11/2012
Number of Days to Update: 92	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 146	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/03/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: No Update Planned

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 12/05/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/18/2013
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 131	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/28/2012
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 11/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 11/01/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/17/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 01/16/2013
Number of Days to Update: 98	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 12/10/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/02/2012	Telephone: 202-343-9775
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 01/09/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 11/02/2012
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/15/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/14/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 12/11/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Varies

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2012	Telephone: 202-566-1917
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 11/16/2012
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 12/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 01/15/2013	Last EDR Contact: 12/06/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/19/2012	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 11/19/2012	Telephone: 916-341-6320
Date Made Active in Reports: 01/04/2013	Last EDR Contact: 11/19/2012
Number of Days to Update: 46	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: No Update Planned

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 08/14/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/21/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/12/2012
Number of Days to Update: 23

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 10/17/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/18/2012	Telephone: see region list
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/17/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/17/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/18/2012	Telephone: 916-323-3400
Date Made Active in Reports: 01/21/2013	Last EDR Contact: 12/10/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Varies

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/28/2012	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/01/2012	Telephone: 916-845-8400
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 11/02/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/17/2012	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/17/2012	Telephone: 866-480-1028
Date Made Active in Reports: 01/21/2013	Last EDR Contact: 12/17/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 01/07/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 10/17/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/18/2012	Telephone: 866-480-1028
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/17/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 12/18/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/10/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/11/2012	Telephone: 916-323-3400
Date Made Active in Reports: 01/15/2013	Last EDR Contact: 12/11/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 12/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 01/15/2013	Last EDR Contact: 12/06/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/11/2012	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 12/12/2012	Telephone: 916-327-4498
Date Made Active in Reports: 01/04/2013	Last EDR Contact: 12/10/2012
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 12/28/2012
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/15/2013
	Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/16/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/20/2012	Telephone: 916-445-9379
Date Made Active in Reports: 01/21/2013	Last EDR Contact: 11/15/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/12/2012	Telephone: 916-255-6504
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 12/28/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/15/2013
	Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 12/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 01/15/2013	Last EDR Contact: 12/06/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2012	Telephone: 916-255-1136
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 01/14/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008	Source: California Air Resources Board
Date Data Arrived at EDR: 09/29/2010	Telephone: 916-322-2990
Date Made Active in Reports: 10/18/2010	Last EDR Contact: 12/28/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 12/14/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/07/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 34

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/15/2012
Date Data Arrived at EDR: 10/16/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/09/2013
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-8677
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 08/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/30/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 05/02/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 94	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012	Source: EPA Region 7
Date Data Arrived at EDR: 08/28/2012	Telephone: 913-551-7003
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012	Source: EPA Region 9
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 26

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 10/24/2012
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

BUTTE COUNTY:

CUPA Facility Listing Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 42

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Semi-Annually

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 56

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 12/21/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 32

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/10/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 56

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 06/28/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 38

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/22/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 10/25/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 36

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/15/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 19

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/05/2012	Source: Health Care Agency
Date Data Arrived at EDR: 11/15/2012	Telephone: 714-834-3446
Date Made Active in Reports: 12/03/2012	Last EDR Contact: 11/12/2012
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/25/2013
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/11/2012	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 12/12/2012	Telephone: 530-745-2363
Date Made Active in Reports: 01/15/2013	Last EDR Contact: 12/10/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/16/2012	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/18/2012	Telephone: 951-358-5055
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/26/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/16/2012	Source: Department of Environmental Health
Date Data Arrived at EDR: 10/18/2012	Telephone: 951-358-5055
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/26/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/01/2012	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/11/2012	Telephone: 916-875-8406
Date Made Active in Reports: 11/02/2012	Last EDR Contact: 01/07/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/08/2012	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/11/2012	Telephone: 916-875-8406
Date Made Active in Reports: 11/13/2012	Last EDR Contact: 01/07/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/29/2012
Date Data Arrived at EDR: 08/30/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 11/12/2012
Number of Days to Update: 5	Next Scheduled EDR Contact: 02/25/2013
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/24/2012	Source: Environmental Health Department
Date Data Arrived at EDR: 09/25/2012	Telephone: N/A
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 01/22/2013
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/26/2012	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 11/26/2012	Telephone: 805-781-5596
Date Made Active in Reports: 01/17/2013	Last EDR Contact: 11/26/2012
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/17/2012	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 10/19/2012	Telephone: 650-363-1921
Date Made Active in Reports: 11/13/2012	Last EDR Contact: 12/12/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2012	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 12/17/2012	Telephone: 650-363-1921
Date Made Active in Reports: 01/22/2013	Last EDR Contact: 12/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 01/11/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 12/03/2012
Date Data Arrived at EDR: 12/05/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/13/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 19

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/29/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 46

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/17/2013
Number of Days to Update: 50

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/12/2012	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 12/17/2012	Telephone: 707-784-6770
Date Made Active in Reports: 01/22/2013	Last EDR Contact: 12/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/14/2012	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 10/09/2012	Telephone: 707-784-6770
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/12/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/02/2012	Source: Department of Health Services
Date Data Arrived at EDR: 10/03/2012	Telephone: 707-565-6565
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/28/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/15/2013
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/10/2012	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 12/11/2012	Telephone: 530-822-7500
Date Made Active in Reports: 01/15/2013	Last EDR Contact: 12/10/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/30/2012	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/25/2012	Telephone: 805-654-2813
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 11/21/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 01/07/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/15/2012
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 10/29/2012	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 11/06/2012	Telephone: 805-654-2813
Date Made Active in Reports: 12/03/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/27/2012	Source: Environmental Health Division
Date Data Arrived at EDR: 09/20/2012	Telephone: 805-654-2813
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/17/2012
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 10/02/2012	Source: Yolo County Department of Health
Date Data Arrived at EDR: 10/04/2012	Telephone: 530-666-8646
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/18/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/16/2012	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 08/16/2012	Telephone: 530-749-7523
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 11/05/2012
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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San Rafael to Larkspur Extension
San Rafael, CA 94901

Inquiry Number: 3502575.1w
January 25, 2013

EDR DataMap™ Well Search Report

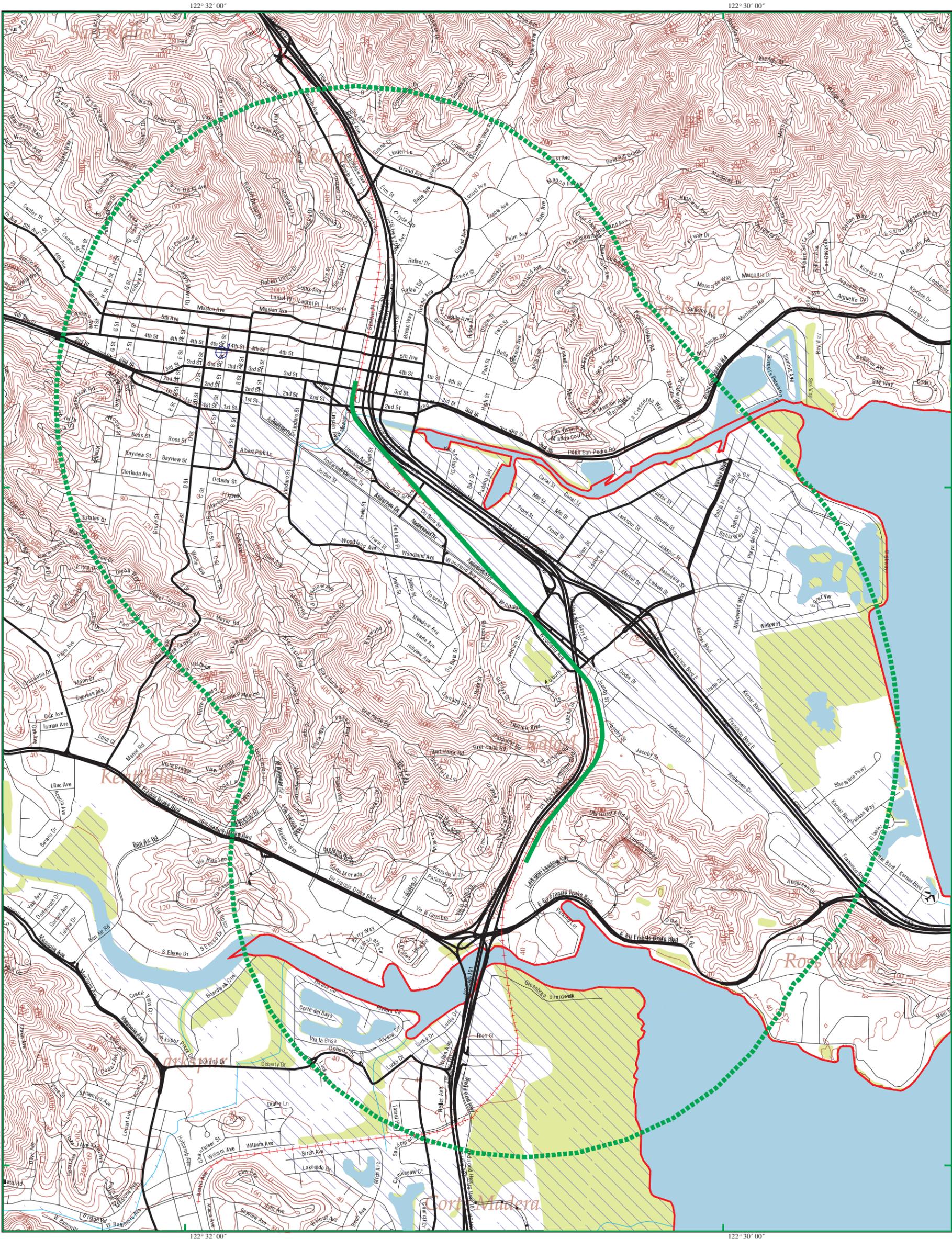
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR DataMap® - Well Search

San Rafael to Larkspur Extension



San Rafael, CA

- | | | |
|--------------------|---------------|--------------------|
| Listed Water Wells | Waterways | Water |
| Study Boundary | Railroads | Superfund Sites |
| Roads | Contour Lines | 100-Yr Flood Zones |
| Major Roads | Fault Lines | Wetlands |



0 1/4 1/2

Scale in Miles

GEOCHECK VERSION 2.1 SUMMARY

FEDERAL DATABASE WELL INFORMATION

MAP ID _____ WELL ID _____

NO WELLS FOUND

STATE WATER WELL INFORMATION

MAP ID _____ WELL ID _____

NO WELLS FOUND

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Map ID: 1
 PWS ID: CA2106000
 PWS Name: BULLTAIL RANCH
 MARY LYNN ENT
 P O BOX 200
 SAN RAFAEL, CA 94912

PWS currently has or had major violation(s) or enforcement:

USGS TOPOGRAPHIC MAP(S)

37122-H4 SAN QUENTIN, CA
 37122-H5 SAN RAFAEL, CA

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 94901

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.420 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.900 pCi/L	100%	0%	0%

Federal Area Radon Information for Zip Code: 94904

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.000 pCi/L	100%	0%	0%

GEOCHECK VERSION 2.1 SUMMARY

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 94939

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.000 pCi/L	100%	0%	0%

Federal Area Radon Information for Zip Code: 94939

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.000 pCi/L	100%	0%	0%

Federal Area Radon Information for Zip Code: 94904

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.000 pCi/L	100%	0%	0%

Federal Area Radon Information for Zip Code: 94925

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.650 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.000 pCi/L	100%	0%	0%

Federal EPA Radon Zone for MARIN County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MARIN COUNTY, CA

Number of sites tested: 52

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.800 pCi/L	96%	4%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.617 pCi/L	100%	0%	0%

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

PWS SUMMARY:

Map ID:	1	
PWS ID:	CA2106000	
Date Initiated:	Not Reported	Date Deactivated: Not Reported
PWS Name:	BULLTAIL RANCH MARY LYNN ENT P O BOX 200 SAN RAFAEL, CA 94912	
Addressee / Facility:	System Owner/Responsible Party MARY LYNN ENT P O BOX 20 SAN RAFAEL, CA 94912	
Facility Latitude:	37 58 24	Facility Longitude: 122 31 48
City Served:	Not Reported	
Treatment Class:	Untreated	Population: 00000025

Violations information not reported.

CALIFORNIA GOVERNMENT WELL RECORDS SEARCHED

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

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San Rafael To Larkspur Extension

San Rafael To Larkspur

San Rafael, CA 94901

Inquiry Number: 3506918.1

January 30, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/30/13

Site Name:

San Rafael To Larkspur
San Rafael To Larkspur
San Rafael, CA 94901

Client Name:

AECOM
2101 Webster Street Suite
Oakland, CA 94612



EDR Inquiry # 3506918.1

Contact: Dan Ruslen

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by AECOM were identified for the years listed below (selected maps only*). The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

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Site Name: San Rafael To Larkspur Extension
Address: San Rafael To Larkspur
City, State, Zip: San Rafael, CA 94901
Cross Street:
P.O. # NA
Project: 60191144.7.6.5
Certification # 61A7-4373-BF09



Sanborn® Library search results
Certification # 61A7-4373-BF09

* Environmental Data Resources, Inc. has been instructed by AECOM to print ONLY the Sanborn Maps for the years listed below:

1970 (5) 1894 (2)
1960 (5) 1887 (1)
1957 (5)
1950 (5)
1924 (3)
1907 (2)

Total Maps: 28

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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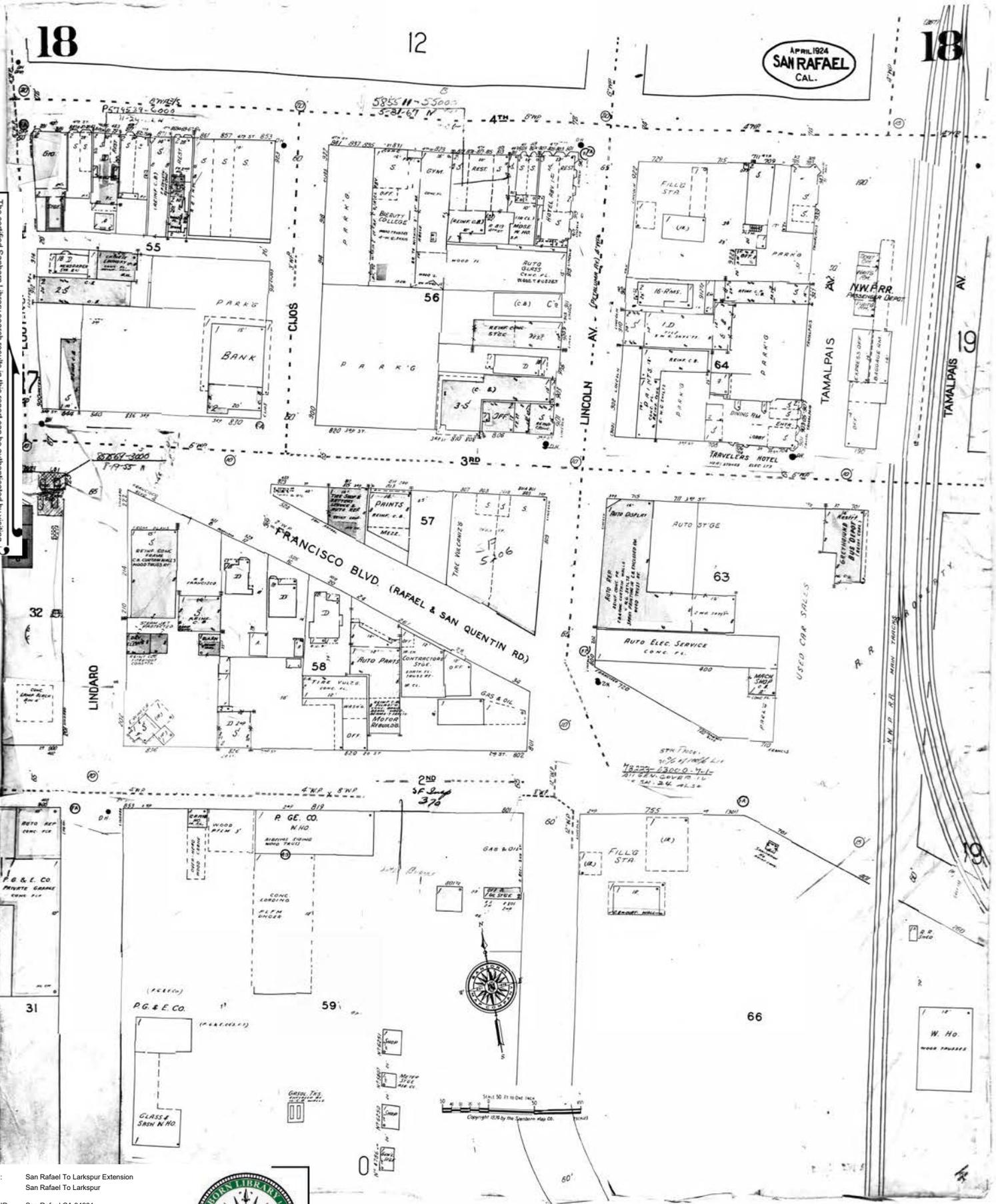
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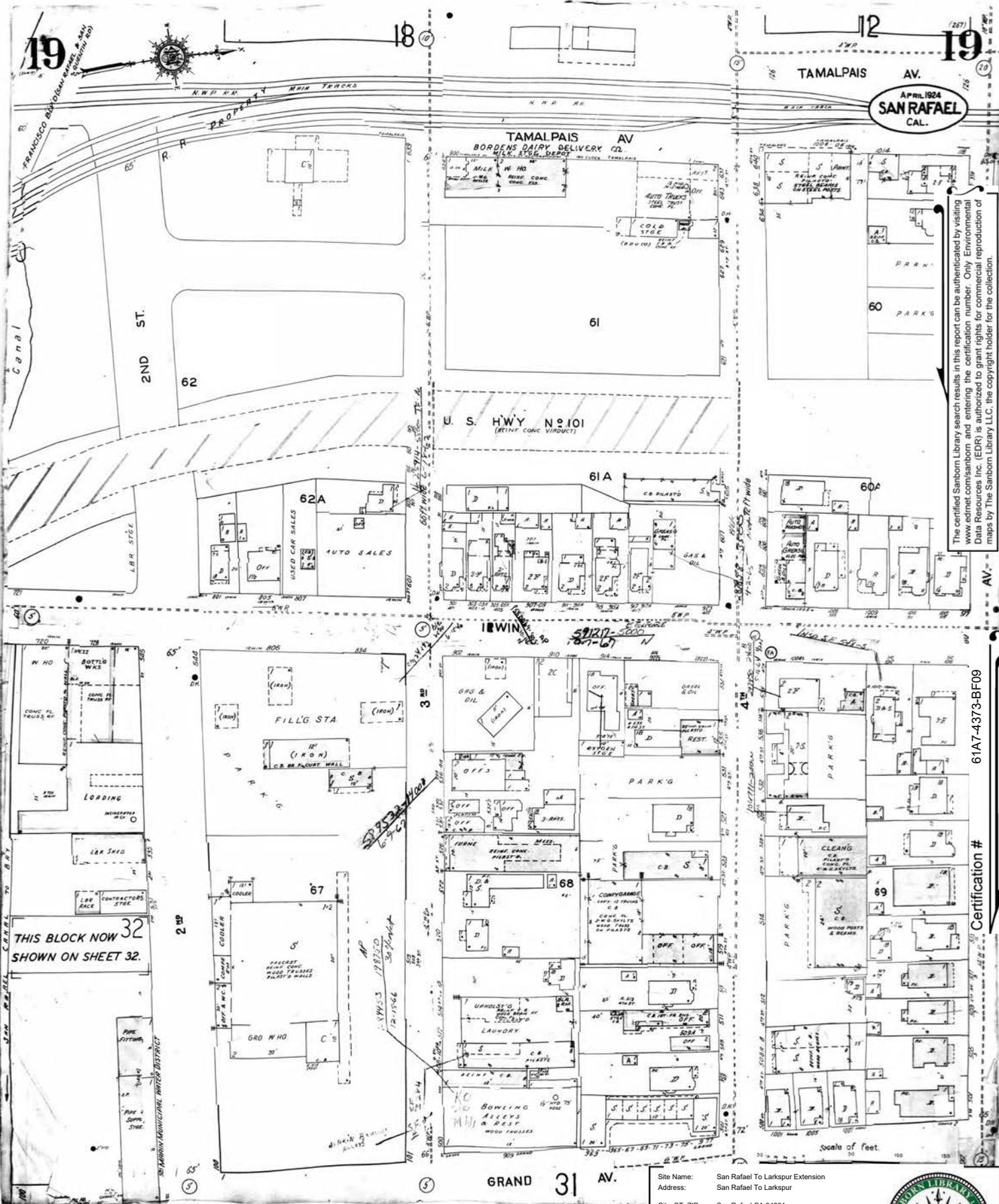
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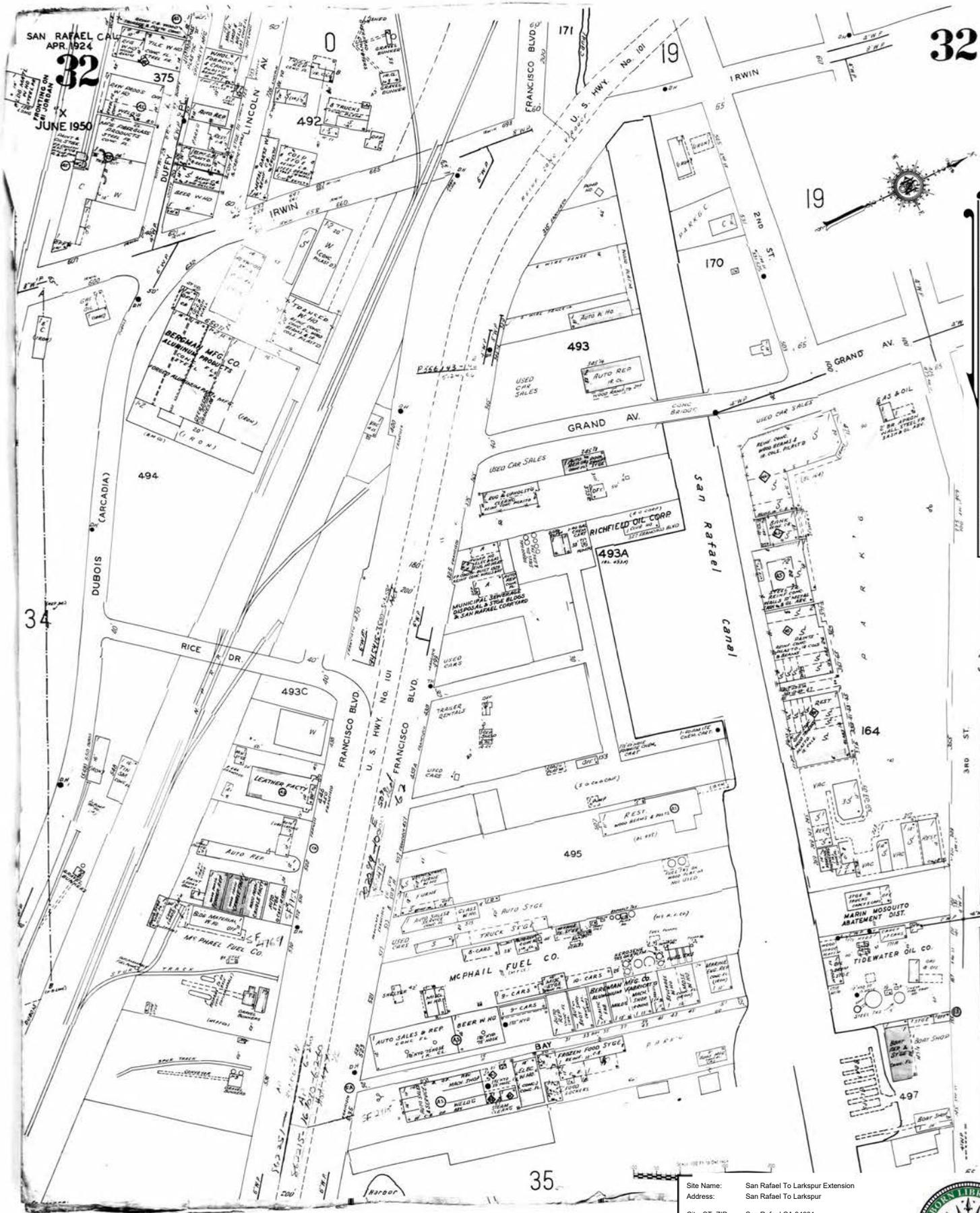
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SAN RAFAEL CALIF
APR 1924
32
JUNE 1950

32

34

35

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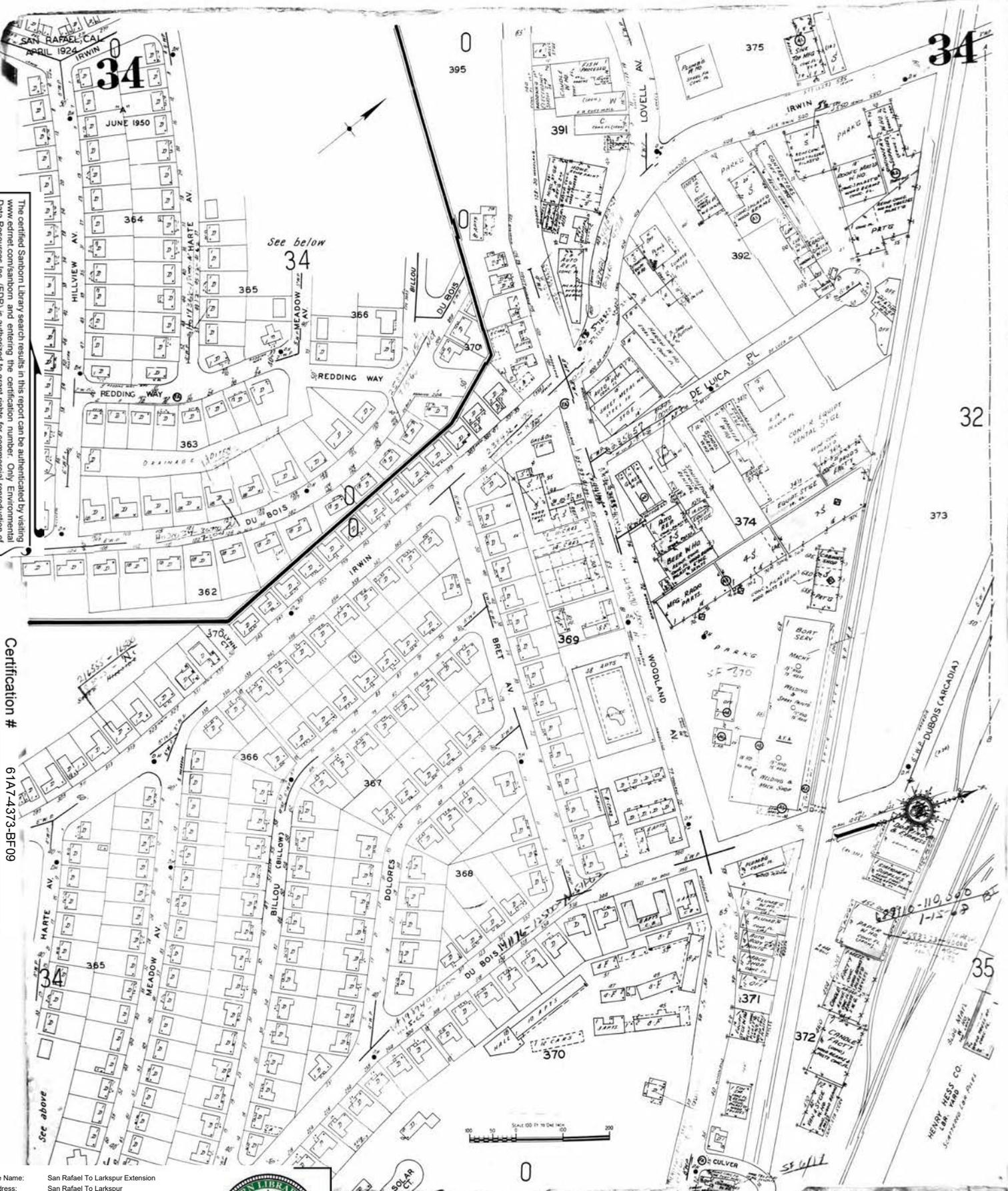
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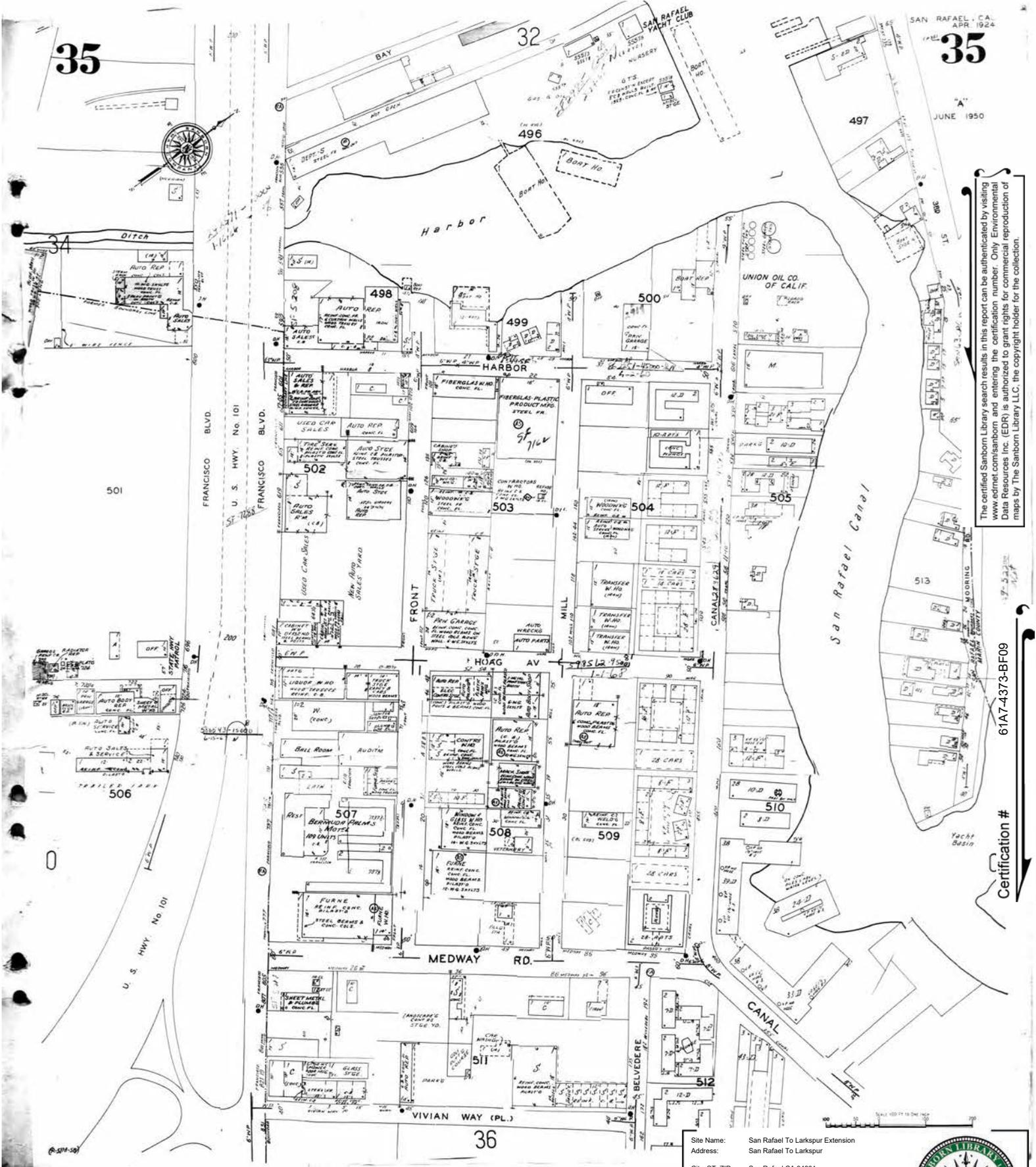
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1970 Certified Sanborn Map



SAN RAFAEL, CALIF.
APR 1924
35
A"
JUNE 1950

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APRIL 1924
SAN RAFAEL
CAL.

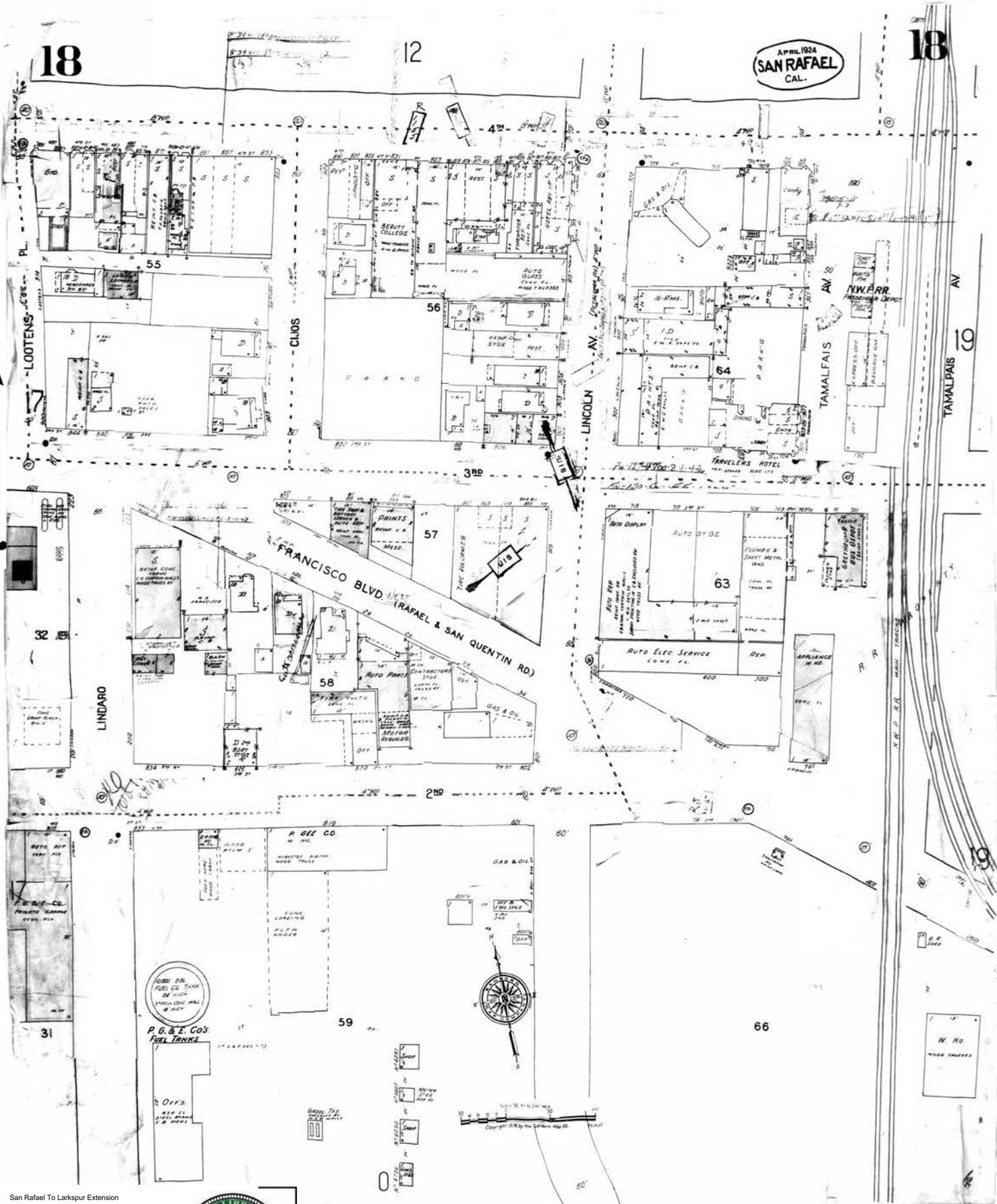
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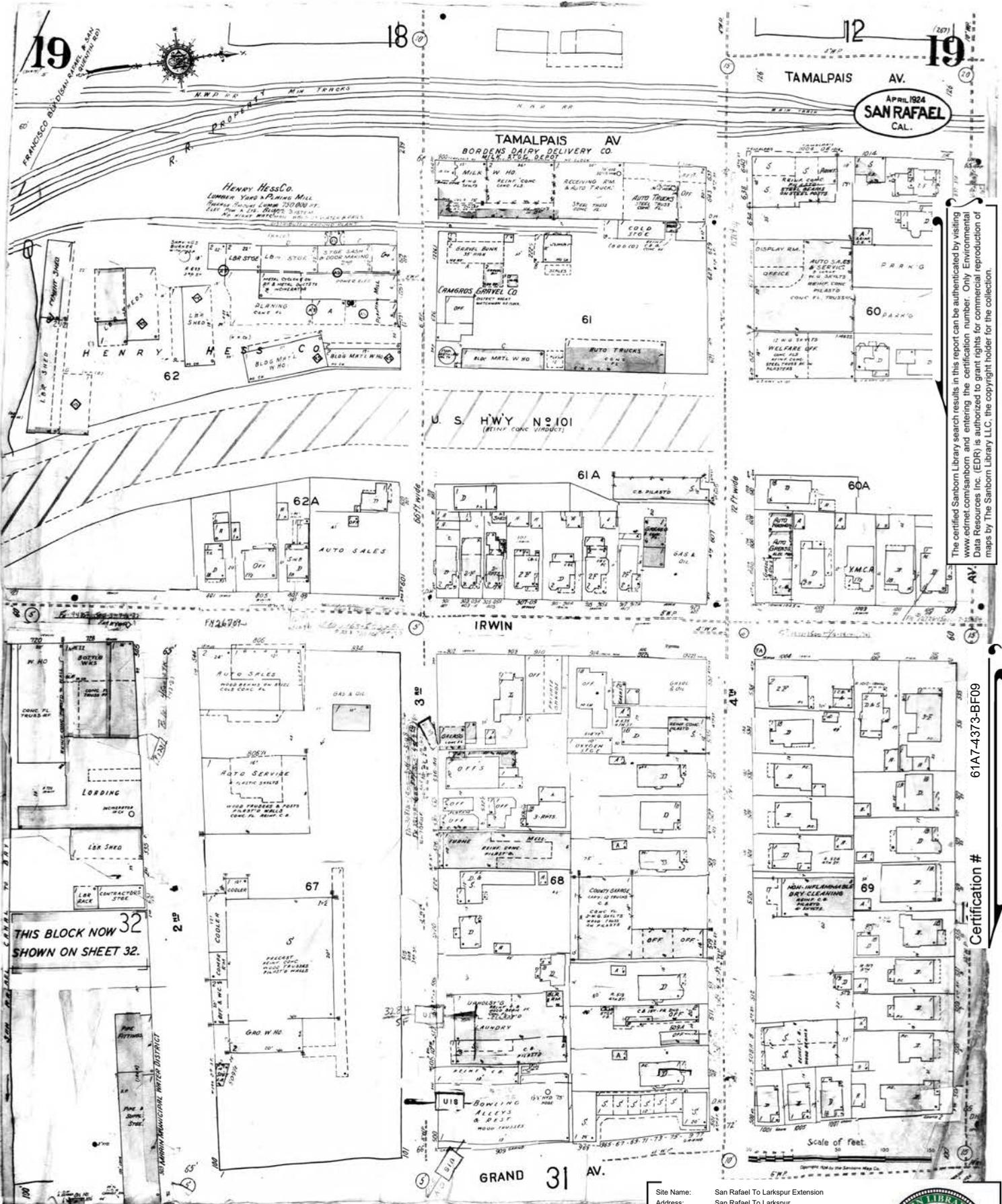
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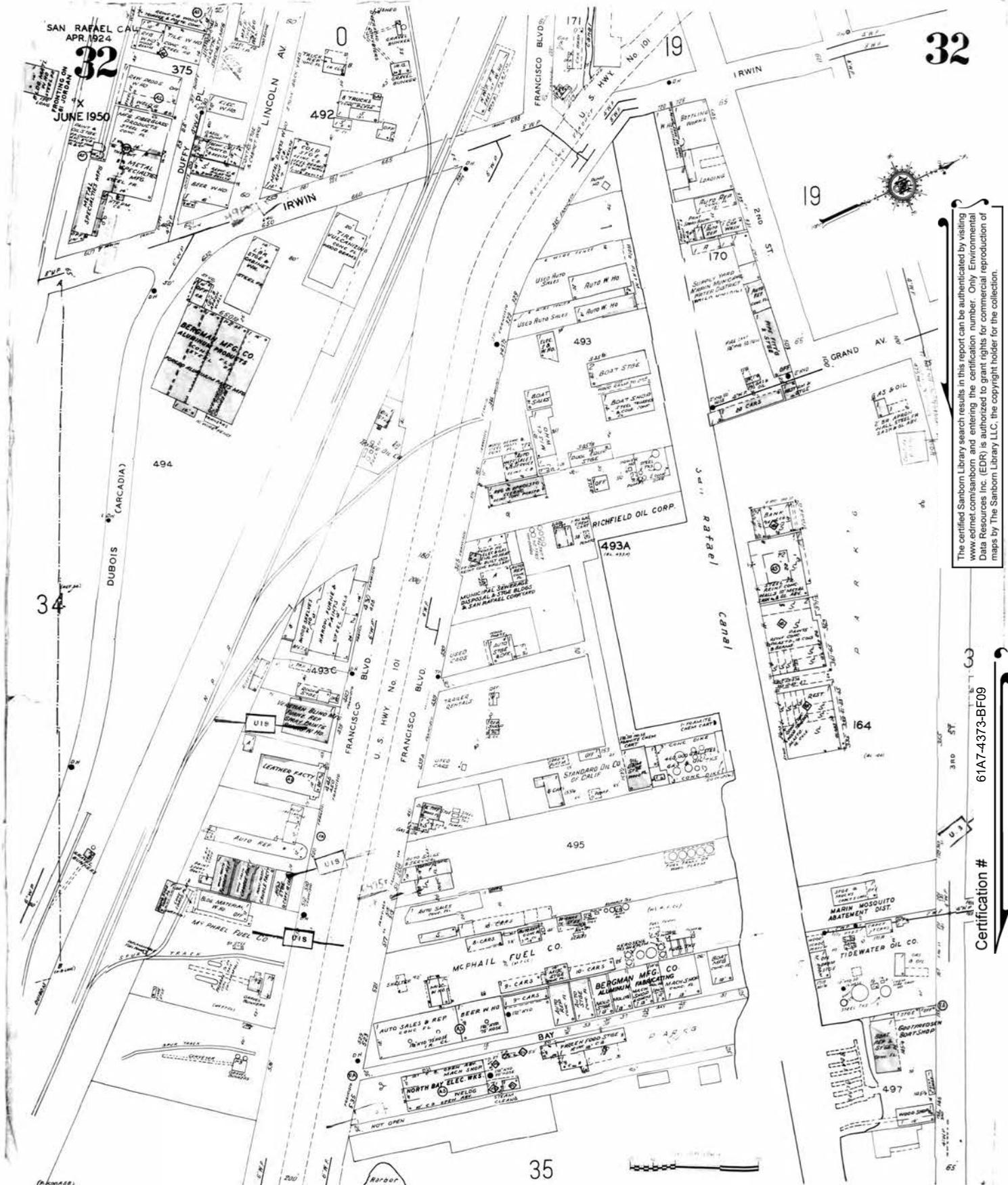
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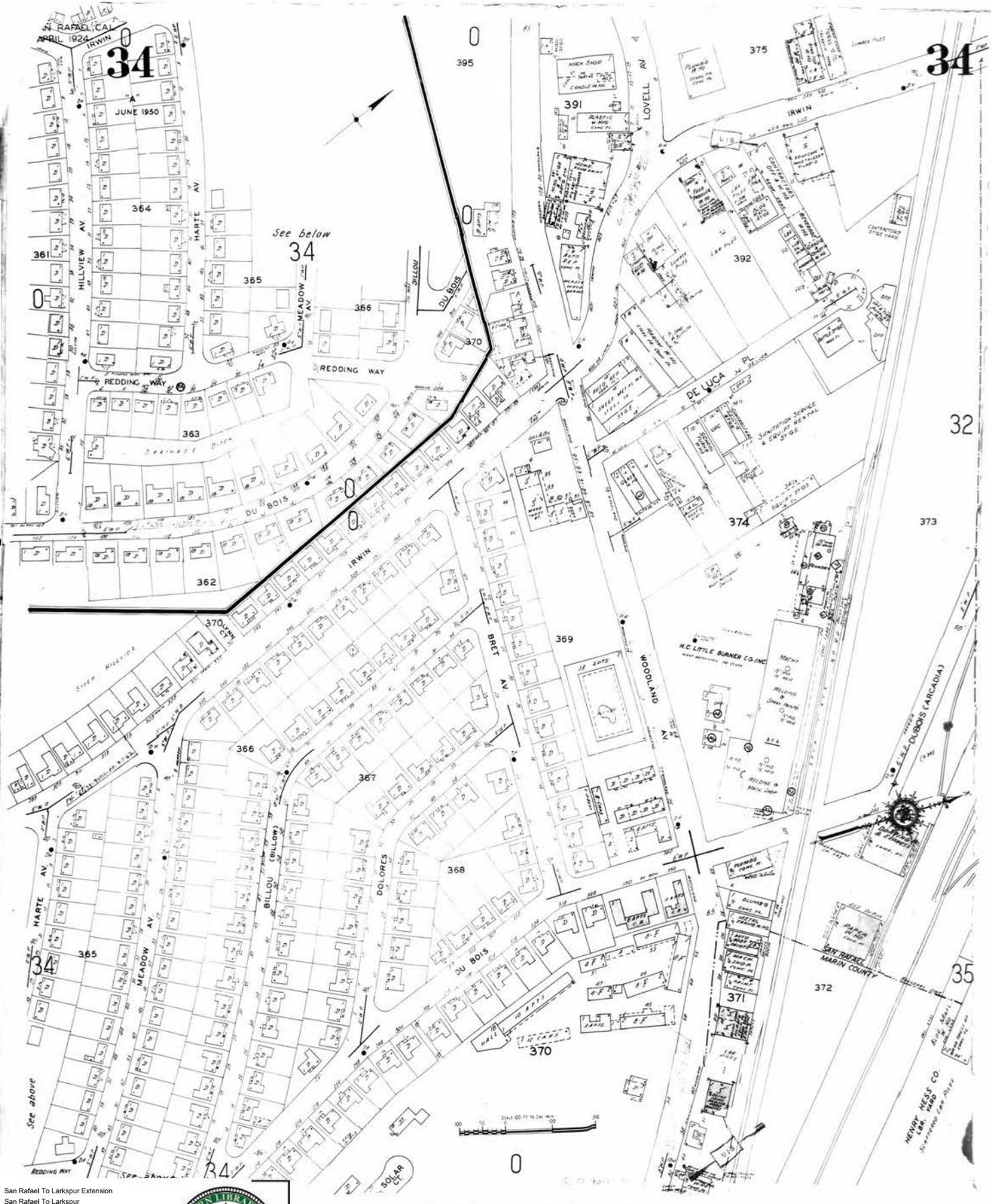
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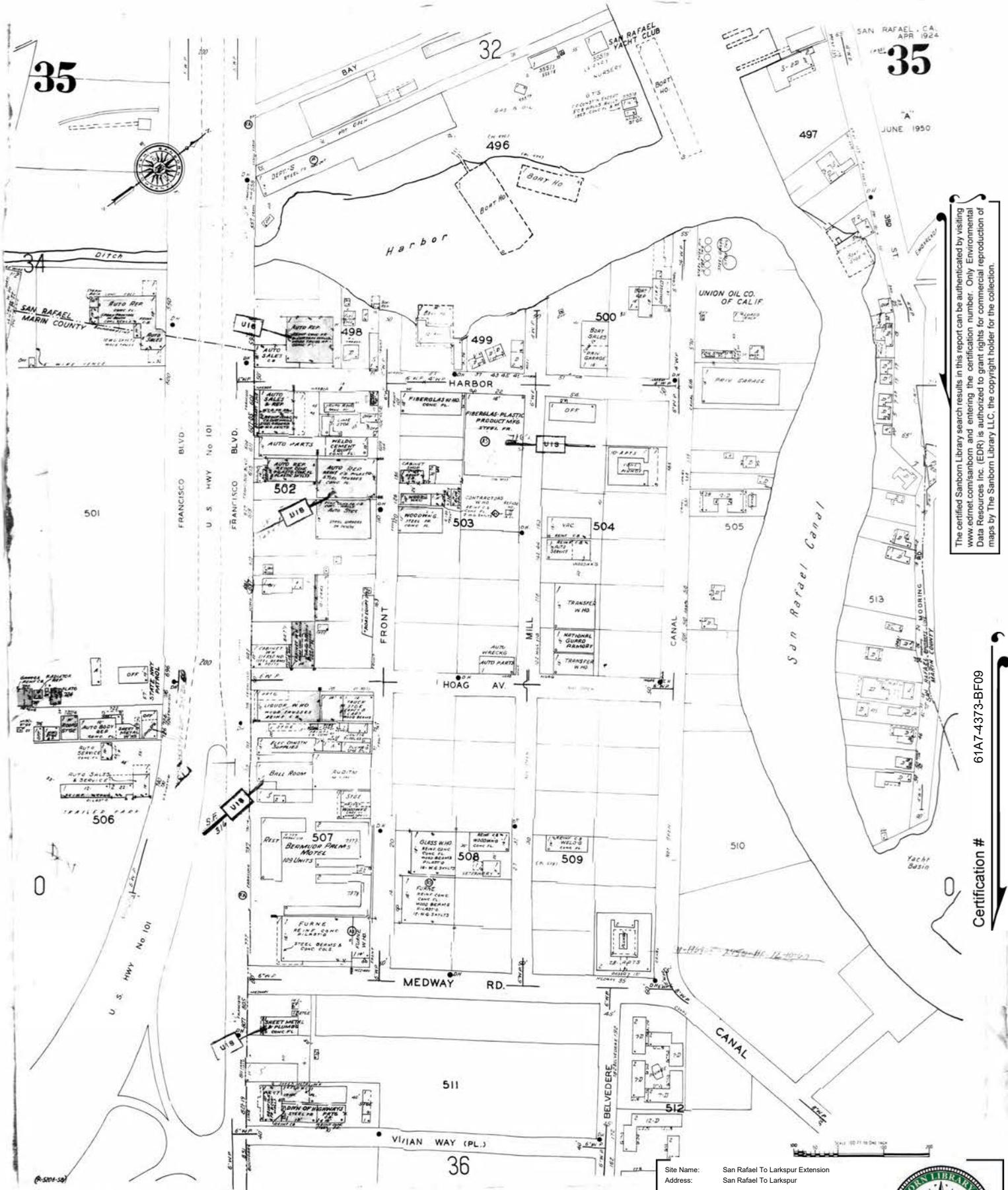
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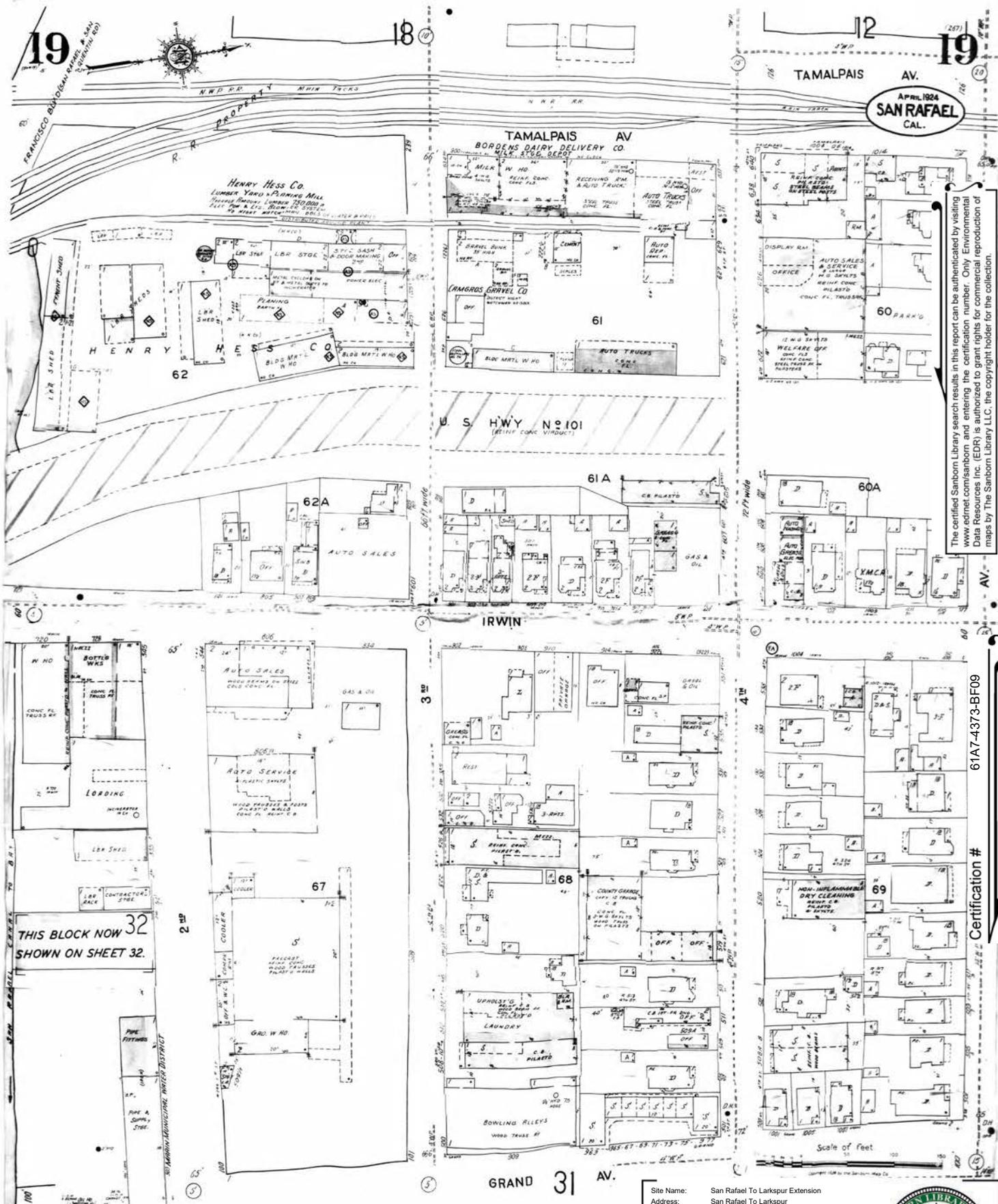
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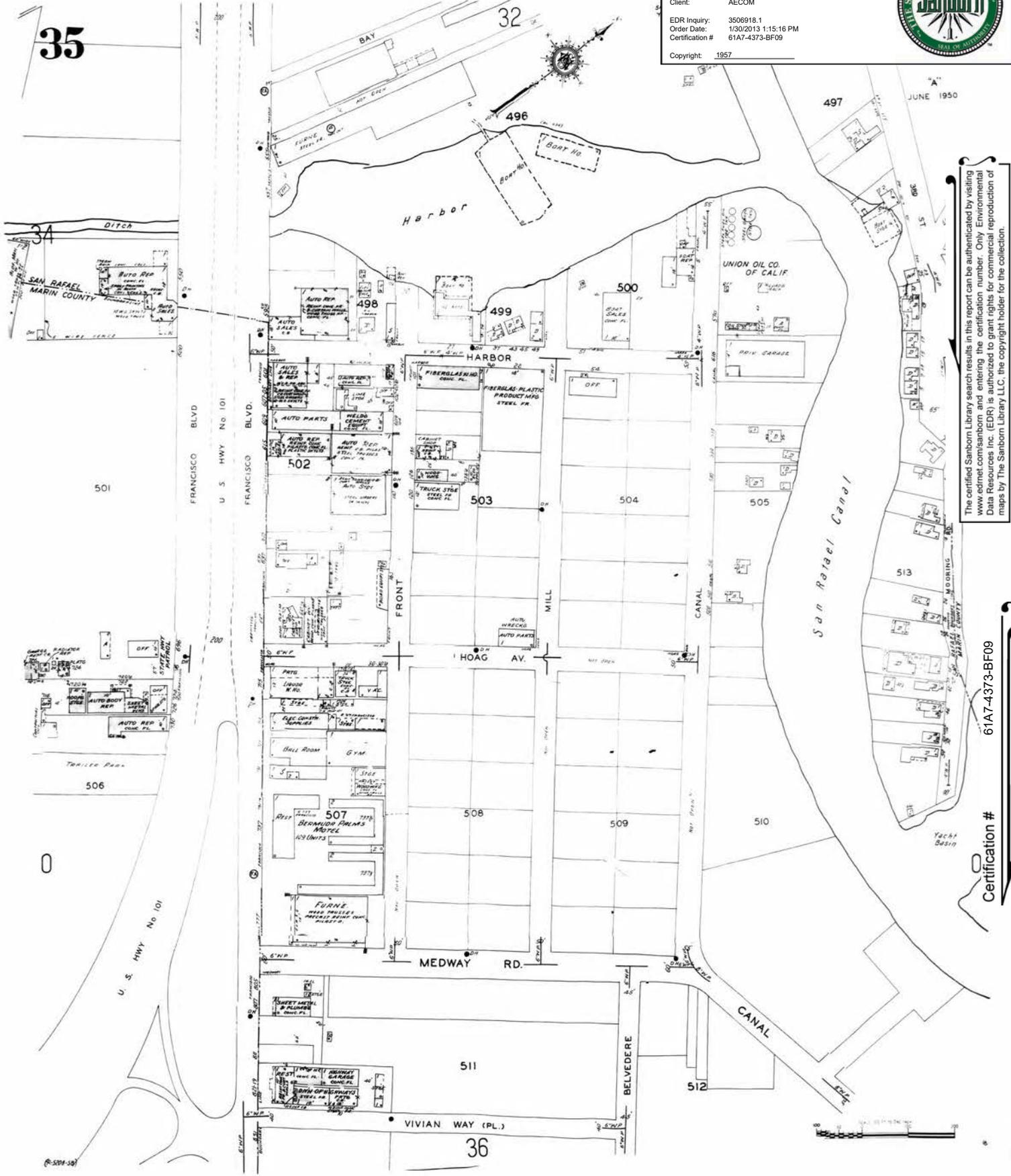


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 Address: San Rafael to Larkspur
 City, ST, ZIP: San Rafael CA 94901
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 Copyright: 1957

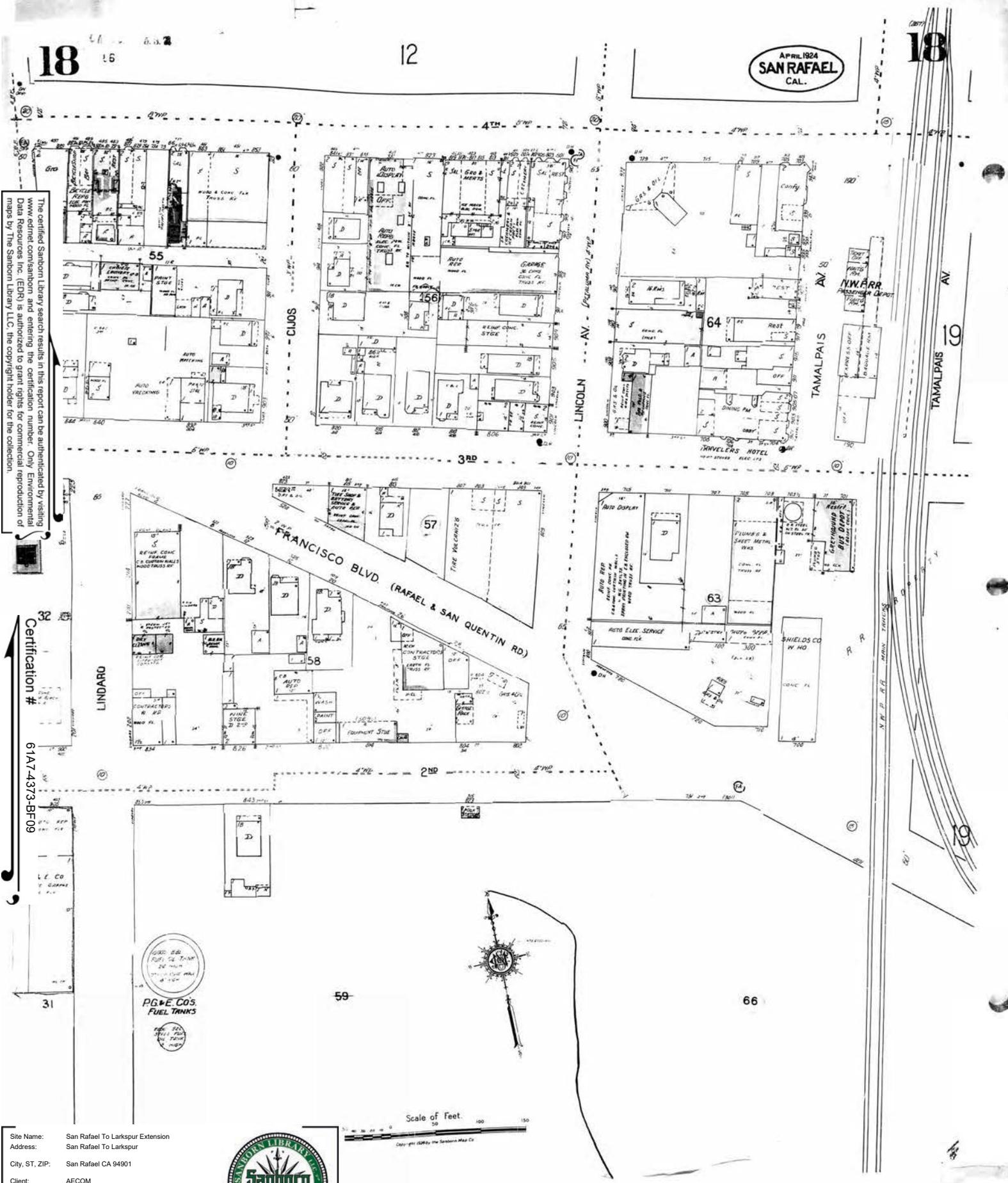


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1950 Certified Sanborn Map

APRIL 1924
SAN RAFAEL
CAL.



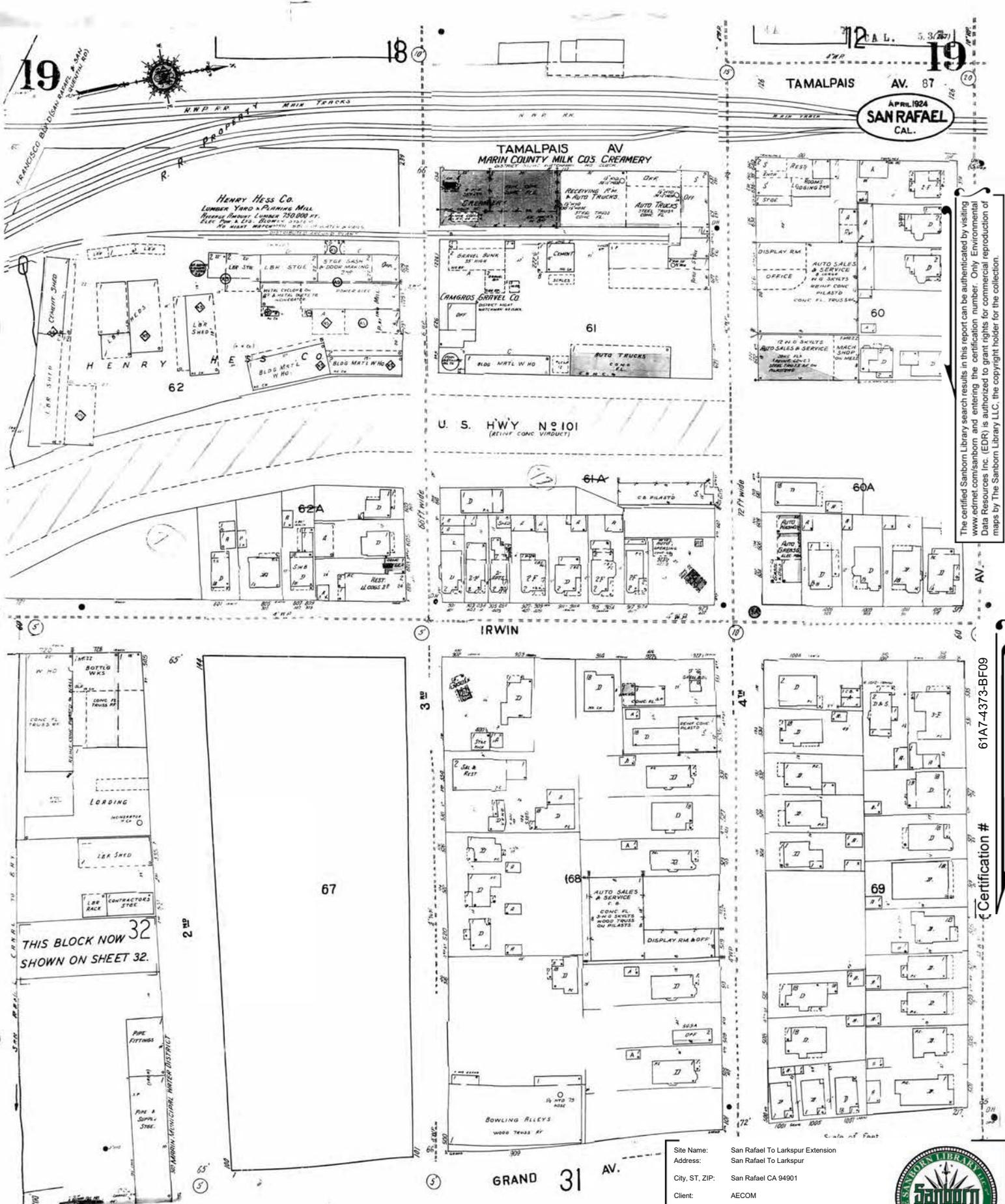
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 Client: AECOM
 EDR Inquiry: 3506918.1
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 Copyright: 1950



1950 Certified Sanborn Map



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 Copyright: 1950

3506918 - 1 pgs



61A7-4373-BF09
Certification #

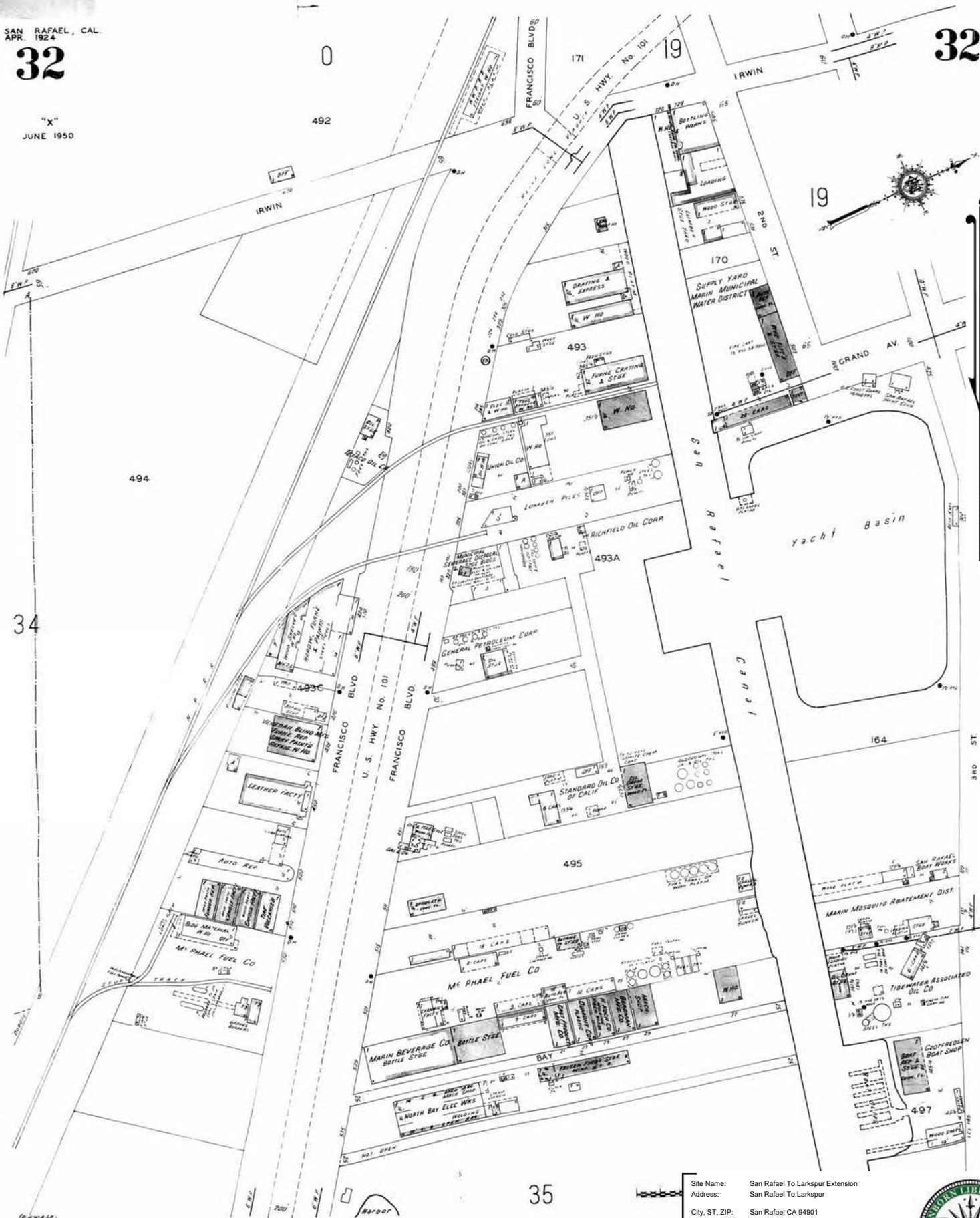
1950 Certified Sanborn Map

SAN RAFAEL, CAL.
APR. 1924

32

"X"
JUNE 1950

32



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61A7-4373-BF09

Certification #

35

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 Address: San Rafael To Larkspur
 City, ST, ZIP: San Rafael CA 94901
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 Copyright: 1950

3506918 - 1 p80



1950 Certified Sanborn Map

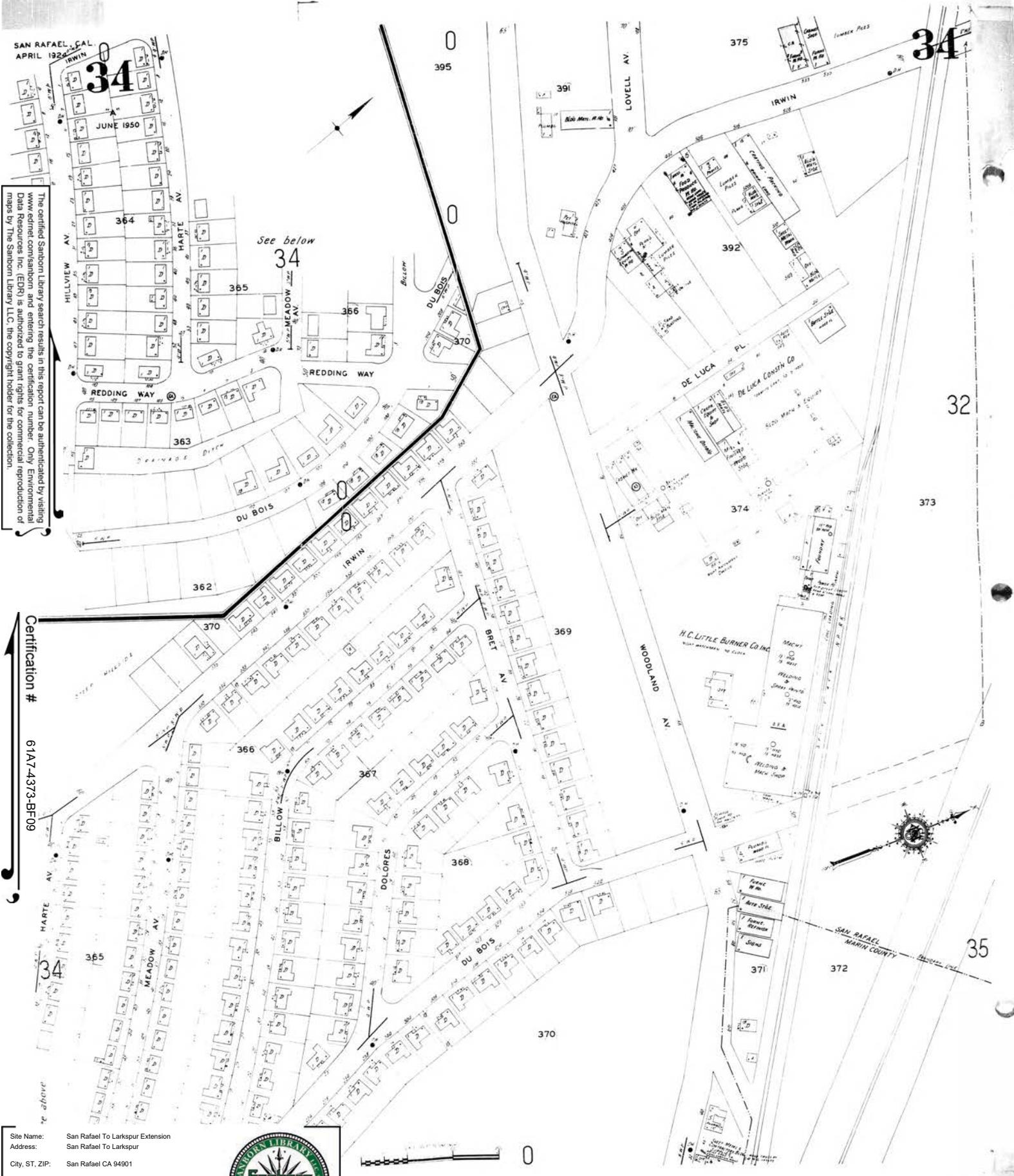
SAN RAFAEL, CAL
APRIL 1924

34
JUNE 1950

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 Copyright: 1950



1950 Certified Sanborn Map



SAN RAFAEL, CAL.
APR. 1924

35

"A"
JUNE 1950

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 Copyright: 1950

3506918 - 1 page



1924 Certified Sanborn Map

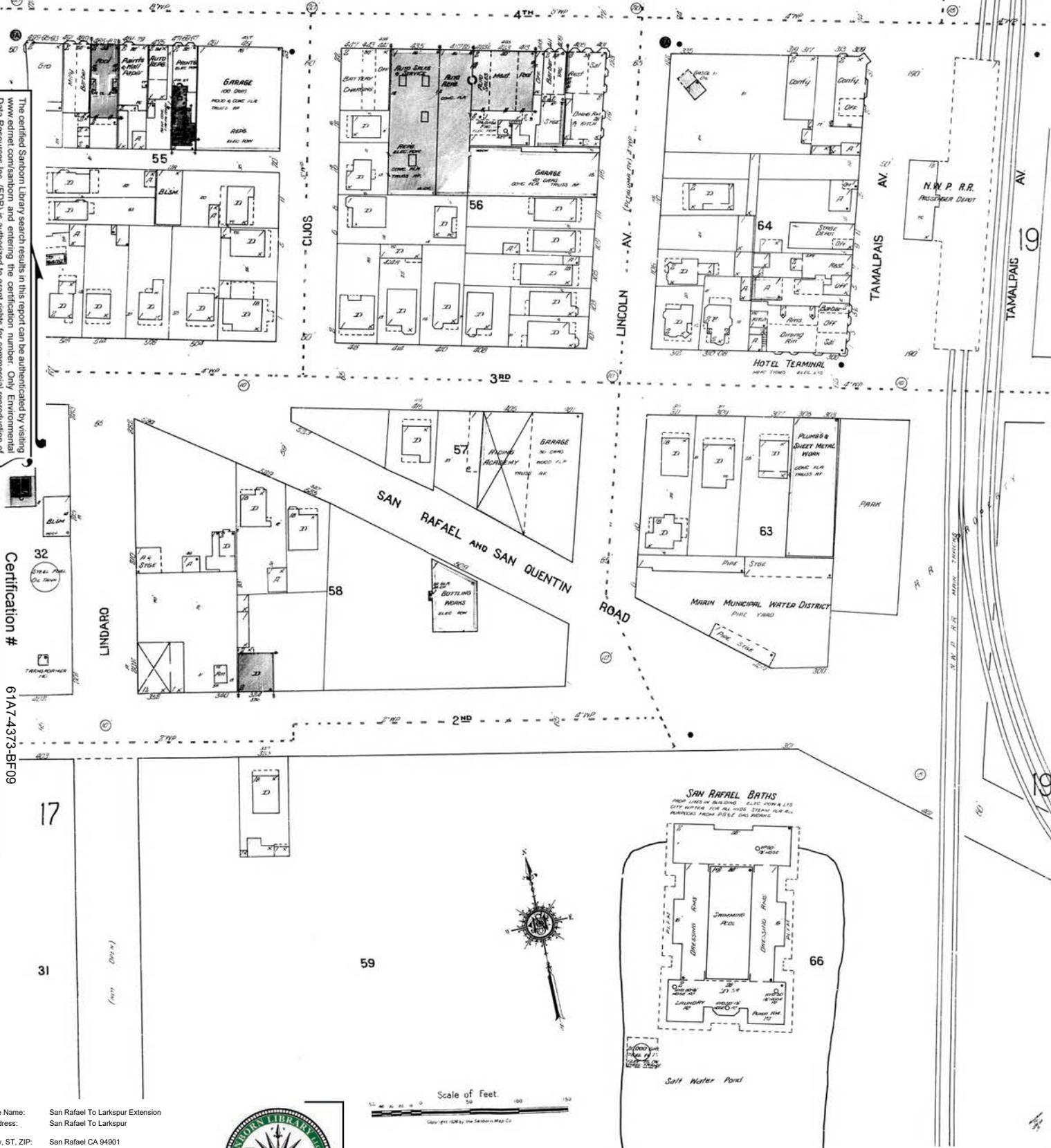
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12

APRIL 1924
SAN RAFAEL
CAL.

18

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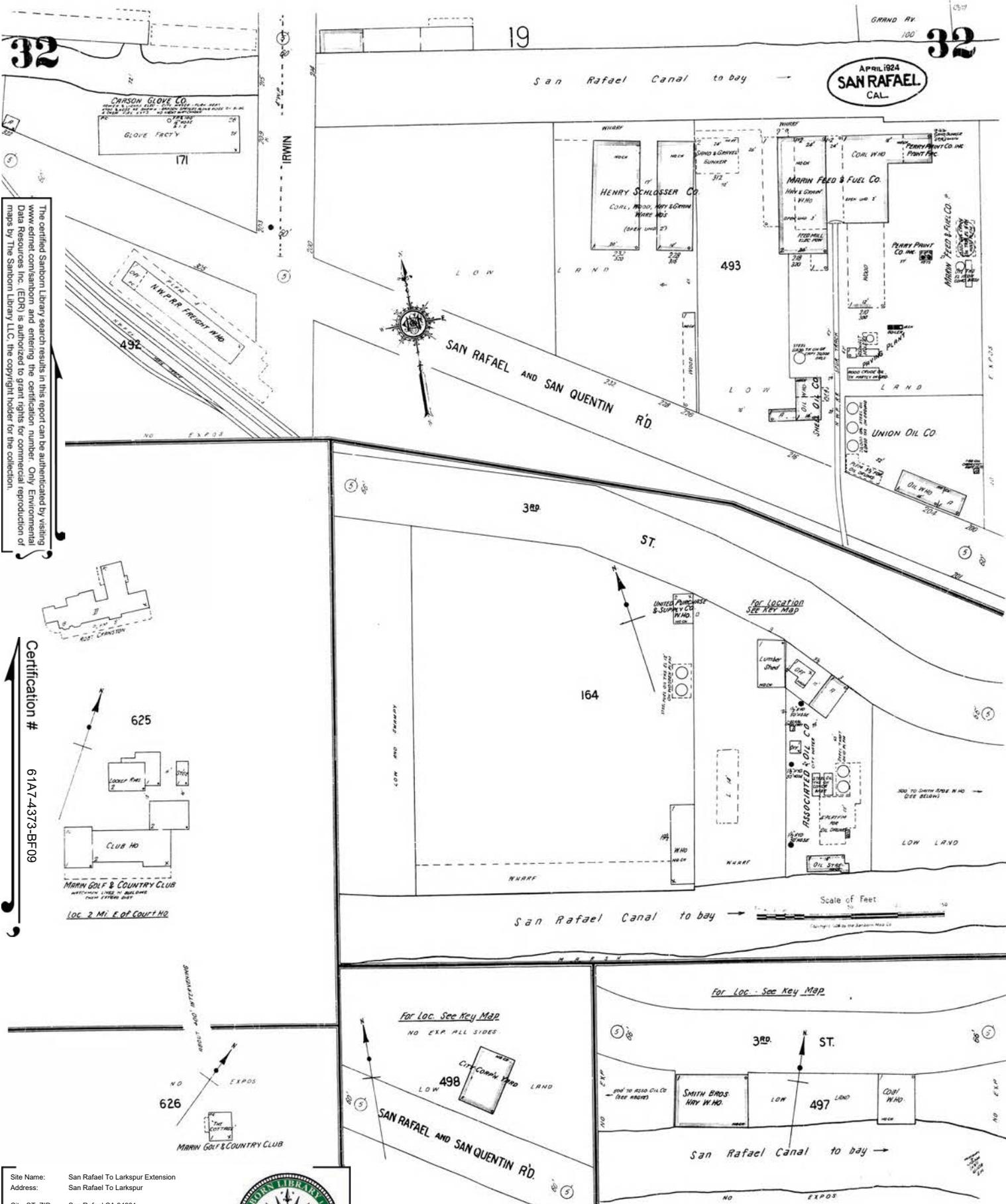


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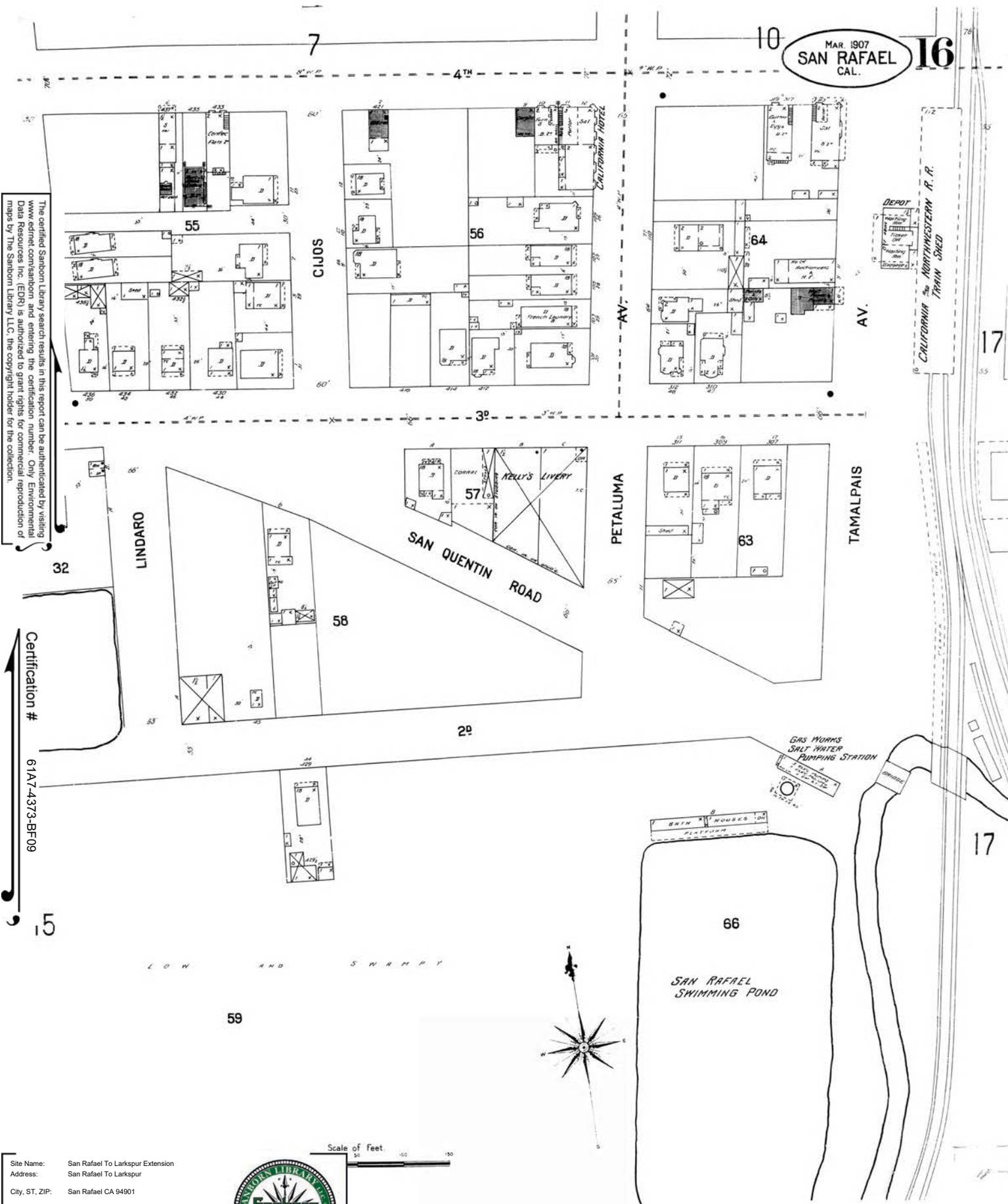
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 Certification #: 61A7-4373-BF09
 Copyright: 1924



1907 Certified Sanborn Map



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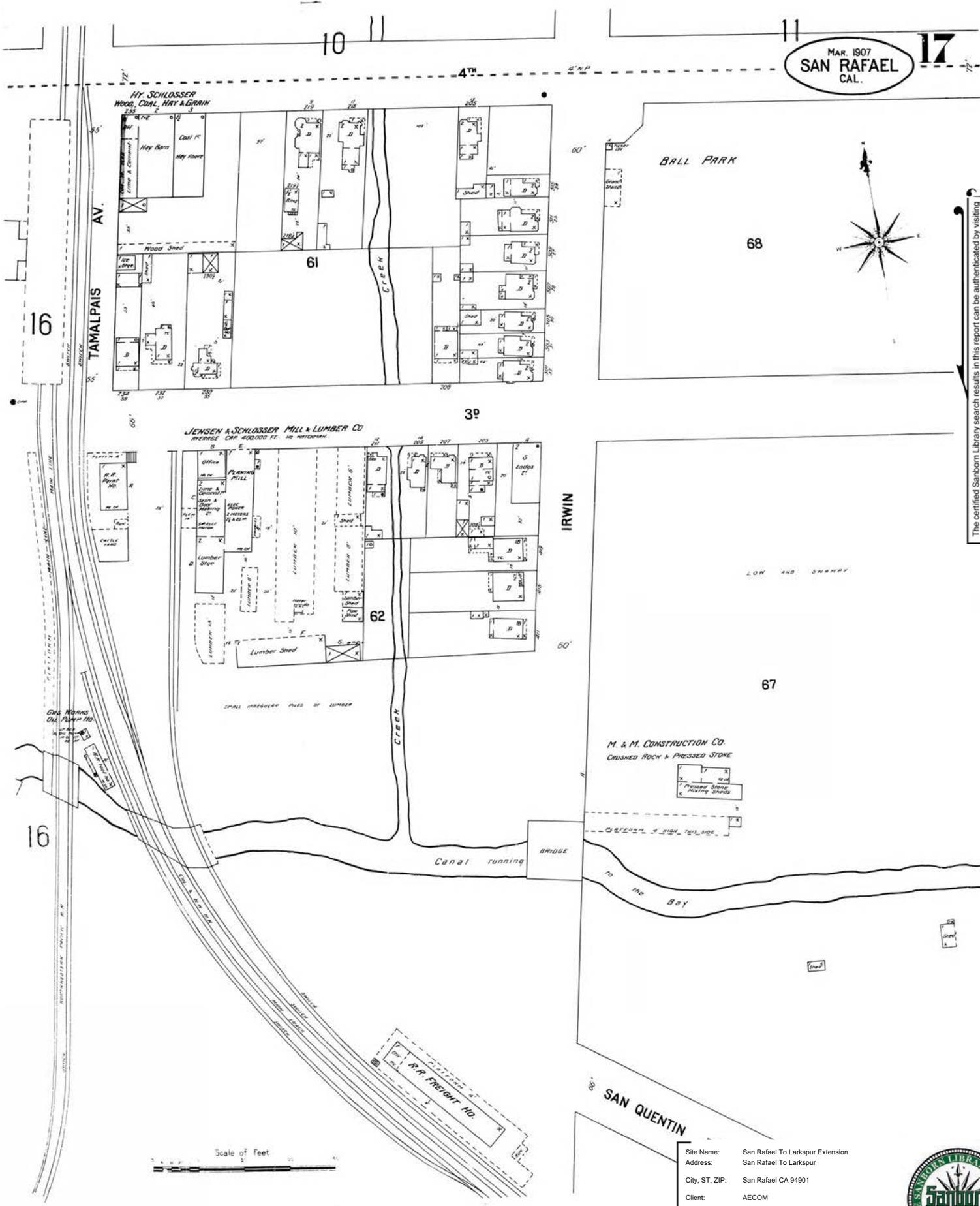
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 Certification #: 61A7-4373-BF-09
 Copyright: 1907



1907 Certified Sanborn Map

MAR. 1907
SAN RAFAEL
 CAL. **17**



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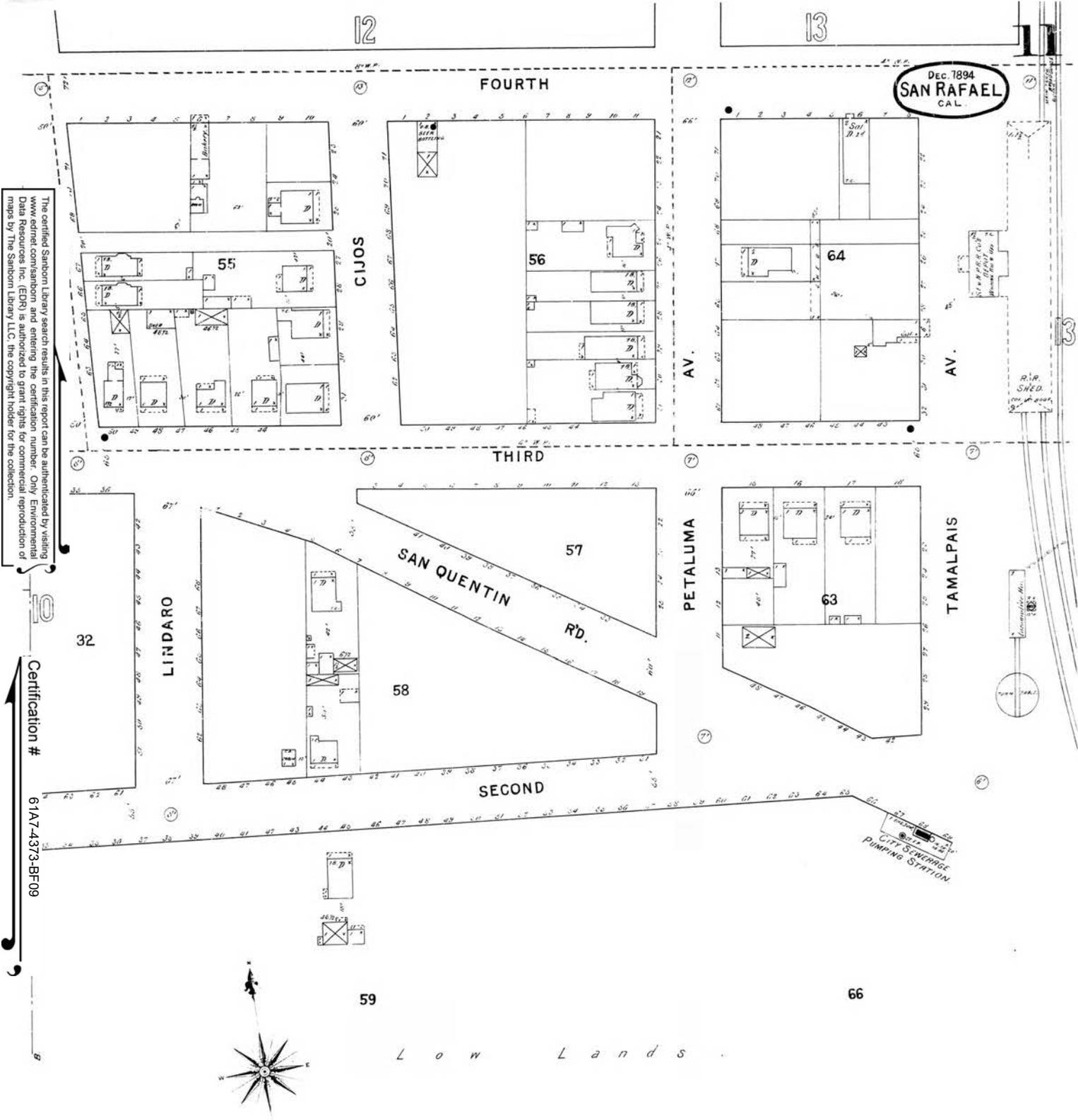
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 Certification # 61A7-4373-BF09
 Copyright: 1907

3506918 - 1 page



1894 Certified Sanborn Map



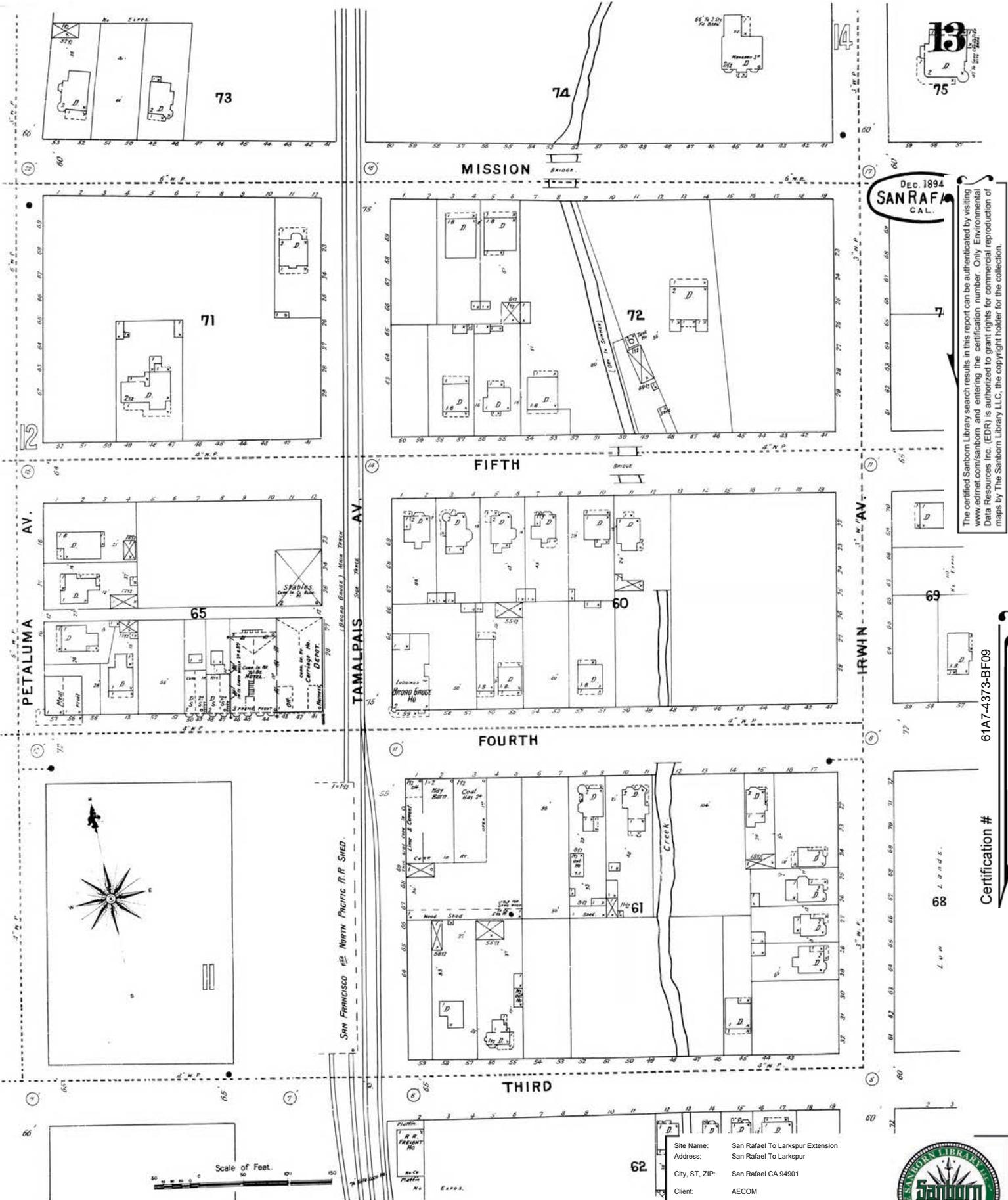
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Site Name: San Rafael To Larkspur Extension
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 City, ST, ZIP: San Rafael CA 94901
 Client: AECOM
 EDR Inquiry: 3506918.1
 Order Date: 1/30/2013 1:15:16 PM
 Certification #: 61A7-4373-BF-09
 Copyright: 1894



1894 Certified Sanborn Map



Dec. 1894
SAN RAFAEL
CAL.

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61A7-4373-BF09

Certification #

Site Name: San Rafael To Larkspur Extension
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 Client: AECOM
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 Certification #: 61A7-4373-BF09
 Copyright: 1894





San Rafael To Larkspur Extension

San Rafael and Larkspur

San Rafael, CA 94901

Inquiry Number: 3502575.2

January 24, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

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Historical Topographic Map



<p>N</p> 	TARGET QUAD	SITE NAME: San Rafael To Larkspur Extension	CLIENT: AECOM
	NAME: TAMALPAIS	ADDRESS: San Rafael and Larkspur San Rafael, CA 94901	CONTACT: Dan Ruslen
	MAP YEAR: 1897	LAT/LONG: 37.9715 / -122.5229	INQUIRY#: 3502575.2
	SERIES: 15		RESEARCH DATE: 01/24/2013
	SCALE: 1:62500		

Historical Topographic Map



	TARGET QUAD	SITE NAME: San Rafael To Larkspur Extension	CLIENT: AECOM
	NAME: TAMALPAIS MAP YEAR: 1947	ADDRESS: San Rafael and Larkspur San Rafael, CA 94901	CONTACT: Dan Ruslen
	SERIES: 15 SCALE: 1:50000	LAT/LONG: 37.9715 / -122.5229	INQUIRY#: 3502575.2 RESEARCH DATE: 01/24/2013

Historical Topographic Map



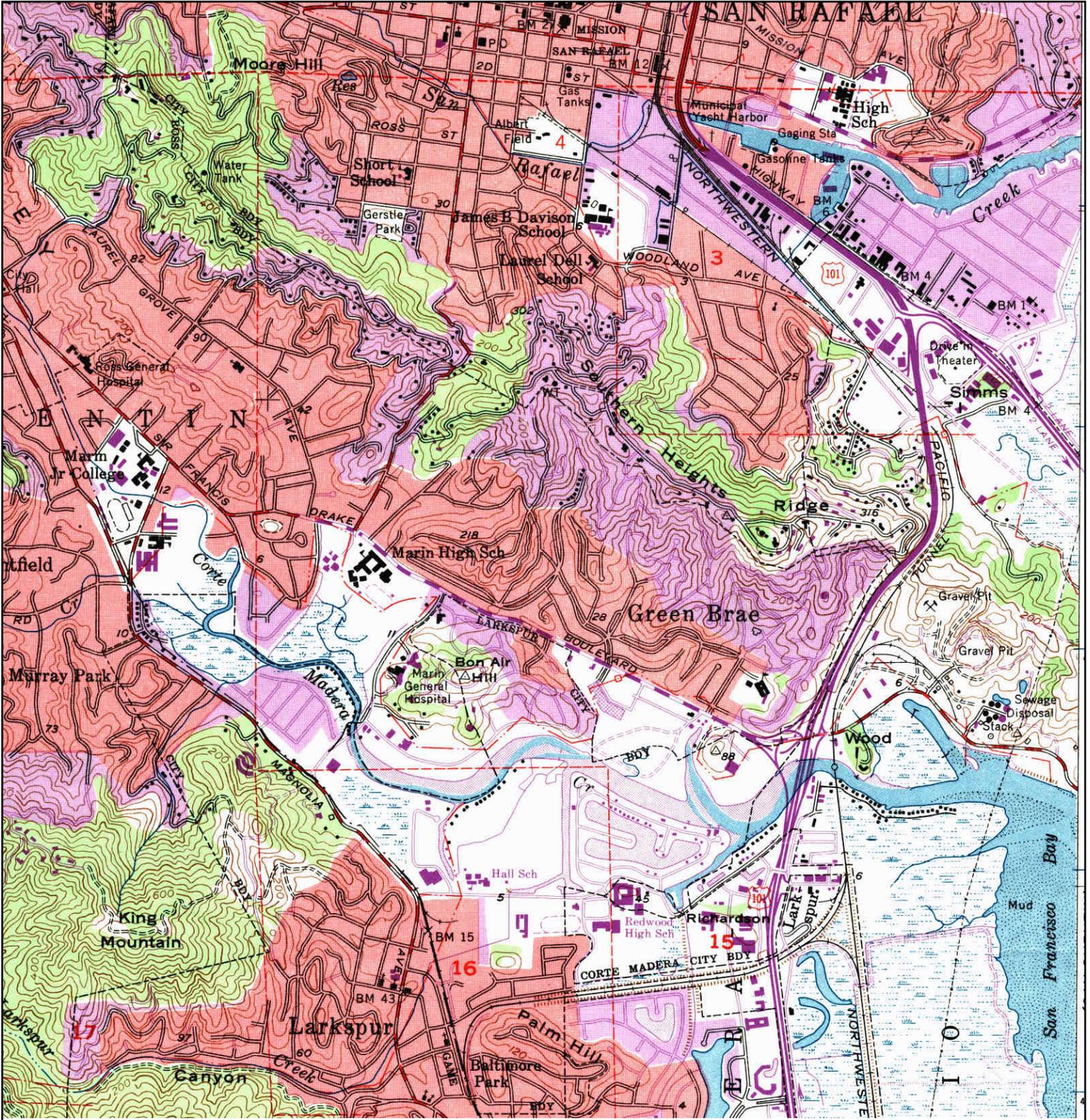
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	<p>MAP YEAR: 1950</p>	<p>LAT/LONG: 37.9715 / -122.5229</p>	<p>INQUIRY#: 3502575.2</p>
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Historical Topographic Map



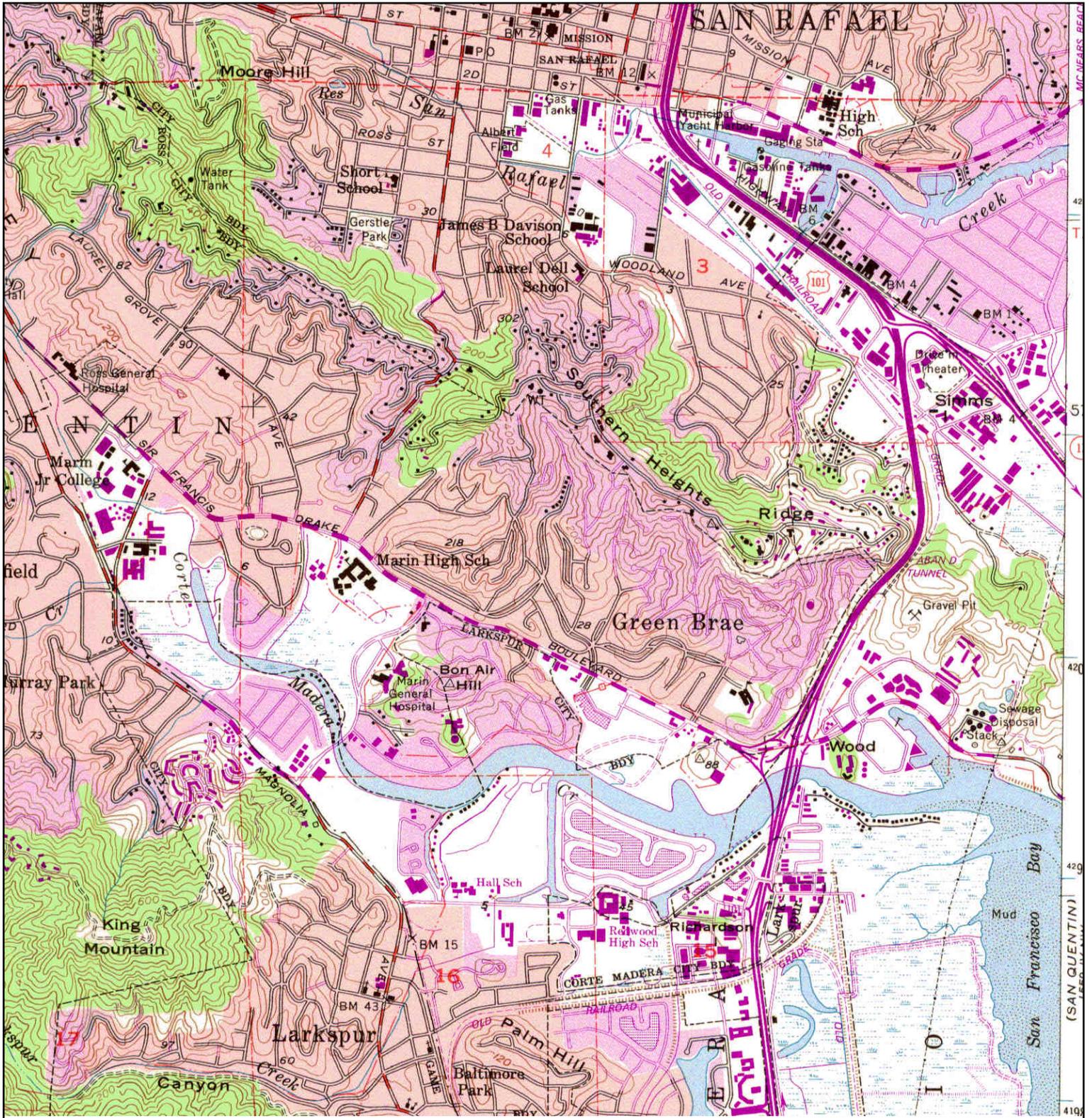
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Historical Topographic Map



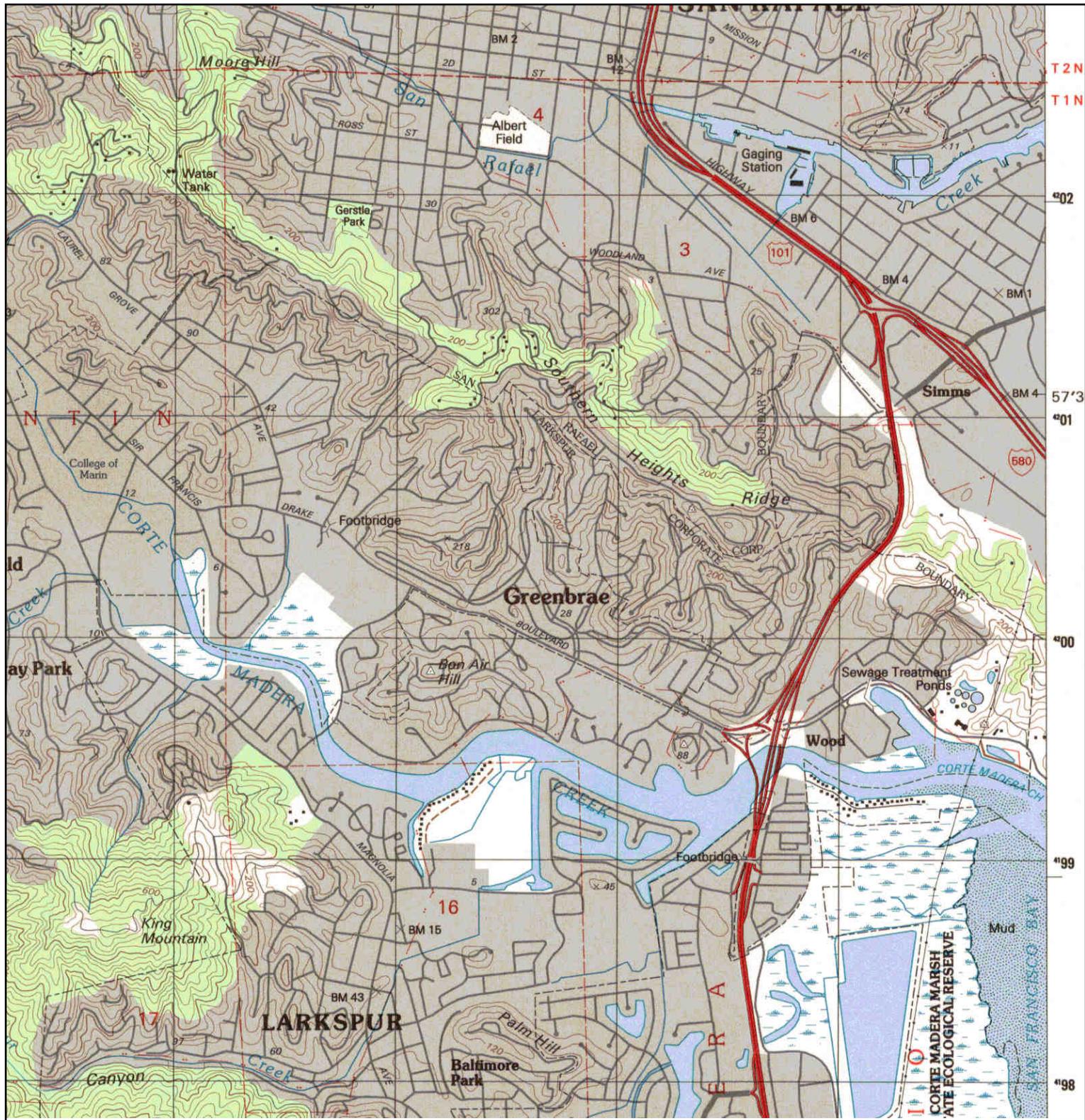
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	<p>MAP YEAR: 1968</p>	<p>LAT/LONG: 37.9715 / -122.5229</p>	<p>INQUIRY#: 3502575.2</p>
	<p>PHOTOREVISED FROM :1954</p>		<p>RESEARCH DATE: 01/24/2013</p>
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Historical Topographic Map



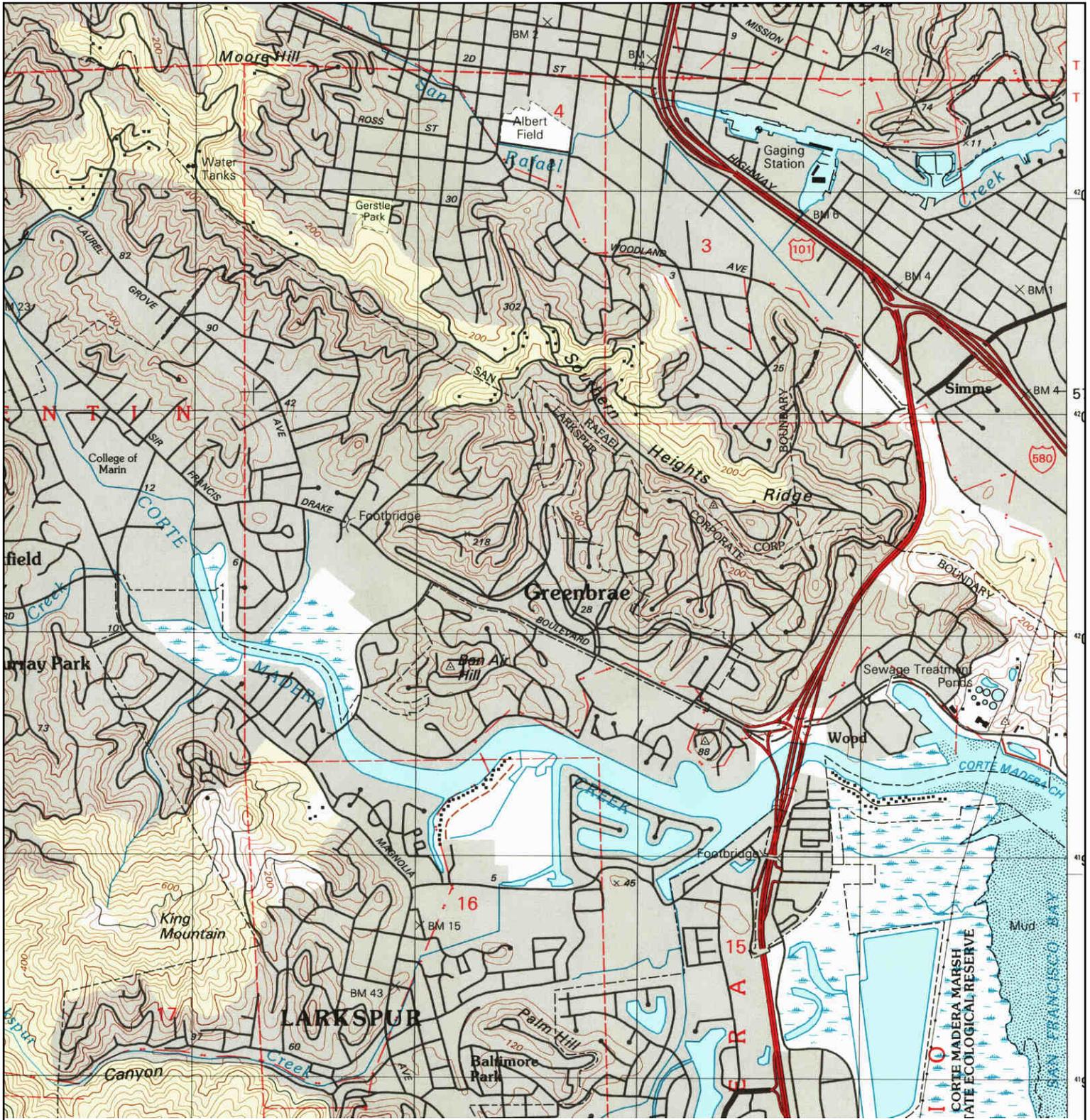
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Historical Topographic Map



	TARGET QUAD	SITE NAME:	San Rafael To Larkspur Extension	CLIENT:	AECOM
	NAME: SAN RAFAEL	ADDRESS:	San Rafael and Larkspur San Rafael, CA 94901	CONTACT:	Dan Ruslen
	MAP YEAR: 1993	LAT/LONG:	37.9715 / -122.5229	INQUIRY#:	3502575.2
	SERIES: 7.5			RESEARCH DATE:	01/24/2013
	SCALE: 1:24000				

Historical Topographic Map



	TARGET QUAD	SITE NAME:	AECOM
	NAME: SAN RAFAEL	San Rafael To Larkspur	CONTACT: Dan Ruslen
	MAP YEAR: 1995	Extension	INQUIRY#: 3502575.2
	SERIES: 7.5	ADDRESS: San Rafael and Larkspur	RESEARCH DATE: 01/24/2013
	SCALE: 1:24000	San Rafael, CA 94901	
	LAT/LONG: 37.9715 / -122.5229		

San Rafael To Larkspur Extension

San Rafael and Larkspur
San Rafael, CA 94901

Inquiry Number: 3502575.5
January 25, 2013

USGS Aerial Photography Package

Thank you for your business.
Please contact EDR at 1-800-352-0050
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USGS Aerial Photography

Order # 3502575.5

San Rafael, CA Marin County

Photo ID	Date	Scale
N10NAPPW10532138	1998	1"= 3333'
NP0NAPP000511183	1987	1"= 3333'
AR6226005400100	1973	1"= 4184'
AR1UX0000010187	1952	1"=1966'
AR1CP0000050090	1946	1"=1966'

Tips:

The following information is intended to assist you in the use of the USGS Aerials. Because the performance and use of different systems can vary greatly, questions on the use of each computer, and program used should be referred to the manufacturer of the computer and program.

Opening and working with large .tiff files:

- o **Click on file to open once only (please be patient).**
- o **Close other programs to make memory available.**
- o **Only open one photo at a time, close photo before attempting to open another.**
- o USGS Aerials are provided in .tiff format on a DVD and may require a special program to open or edit.
- o **You must have a DVD-ROM drive** on your computer to open the images.
- o If you have Windows XP/98se, the **Microsoft Paint Program** will allow you to view and edit the images. Other programs are available from Adobe and on the Internet.
- o The files provided on the USGS DVD are **very large** (up to 400 megabytes) and can take up to **15 minutes, or longer, to open** on your computer depending on your hardware and software.
- o For faster opening, copy the files into your local hard drive prior to opening the files.
- o USGS Aerials **do not have a north indicator**; please verify natural land marks such as lakes and rivers for proper alignment.
- o Be sure your computer meets the minimum system requirements.
- o **Minimum System Requirements:**
 - o Microsoft Windows 98/2000/XP Mac OS 9+ LINUX
 - o Pentium-300mhz + or equivalent
 - o 64 MB RAM
 - o HDD free space: 300 Mb for each photo 100 Mb of system disk space for a swap-file
 - o DVD-ROM Drive
 - o .tiff editing/viewing program

NAPP

10532-138

08-29-98

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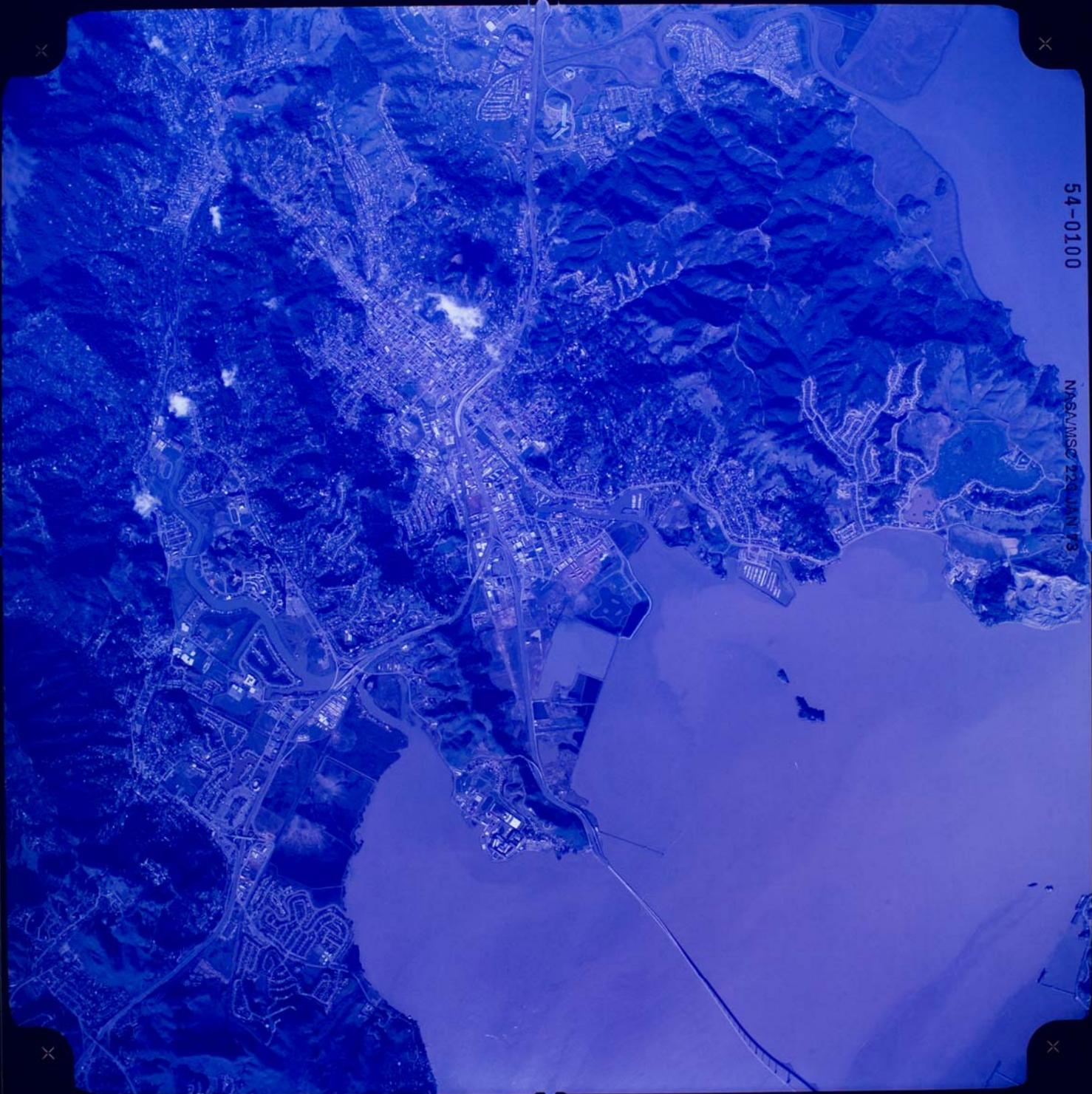
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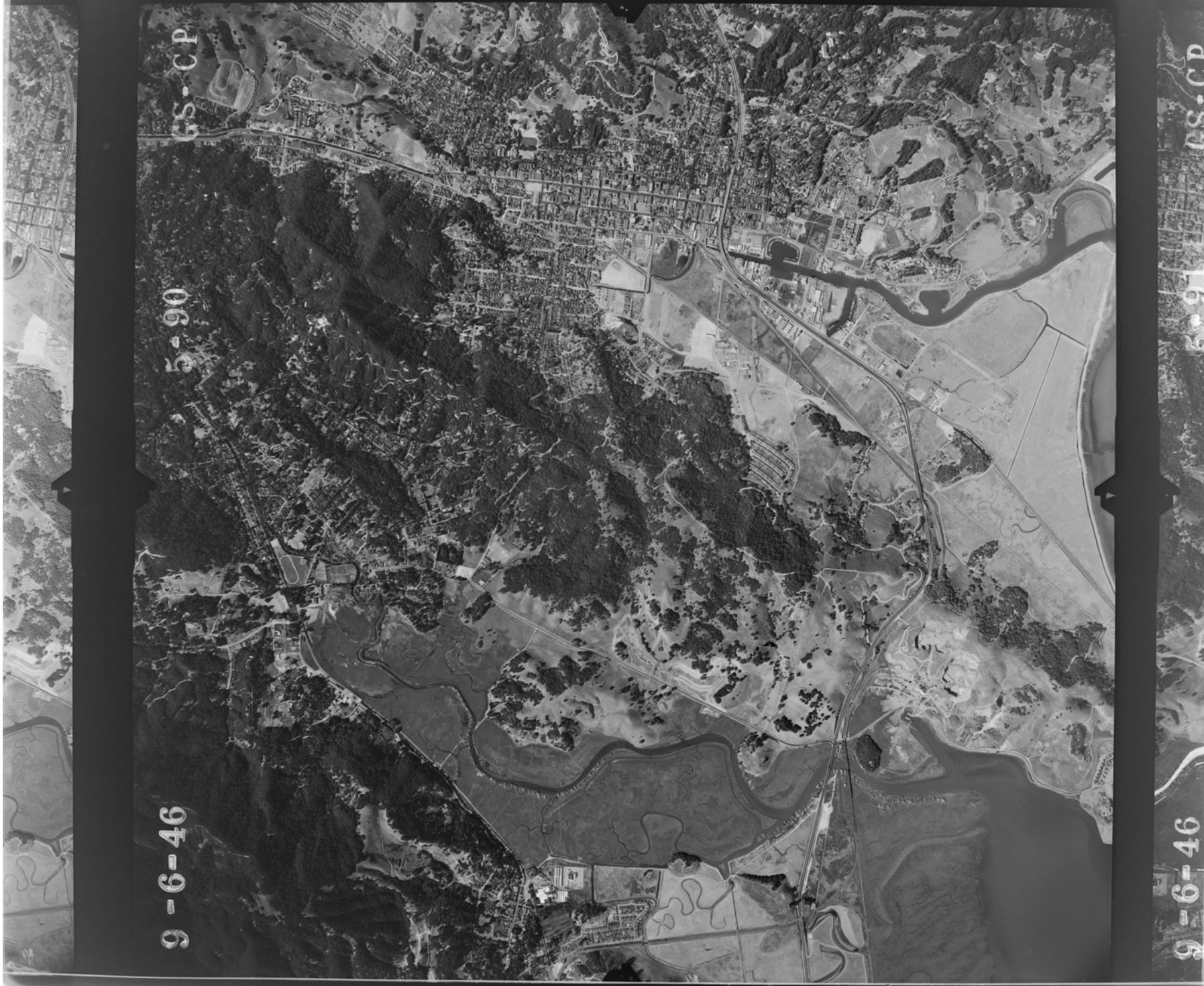
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1-188

69-UX



9-6-46

5-90

GS-CP

9-6-46

5-90

GS-CP

Appendix B

**Qualifications of
Environmental Professionals**

Dan Ruslen, PE Senior Engineer

Contact Information

2101 Webster Street, Suite 1900
Oakland, CA 94612
dan.ruslen@aecom.com
Phone: 510-879-4509

Education

MS, Environmental Engineering,
University of Southern California, Los
Angeles, 1996
BS, Chemical Engineering, University
of Pittsburgh, 1992

Registrations

Professional Engineer, California

Years of Experience

With AECOM 11
With other firms 6

Mr. Ruslen is a senior project manager and a California licensed civil/environmental engineer with 17 years of experience in Phase I and II Environmental Site Assessments, soil and groundwater investigations, remedial design and remediation implementation. He has managed and served as technical lead on a broad range of environmental projects with a focus on strategic planning and implementation of selected investigation and remedial approaches. Also, he has served as one of the primary environmental technical leads for the past ten years during the design and engineering of a large light-rail extension.

Experience

High Speed Rail Project, Initial Segment, Fresno and Madera, California.

Provided Initial Site Assessments Investigations (per ASTM Phase I ESA standards) for over 200 parcels along the first segment of the planned California High Speed Rail project.

Santa Clara Valley Transportation Authority (VTA), BART to San Jose Extension Corridor, Fremont/Milpitas/San Jose/Santa Clara, California.

Managed several projects and served as consulting engineer on VTA's planned \$4 Billion BART to San Jose Extension, originally based along a 16-mile corridor and including a 50-acre railroad yard. Experience highlights include:

- Prepared hazardous materials evaluations for inclusion into sections of the environmental impact report for the project.
- Developed and implemented soil and groundwater investigations (Phase II ESA's) along the fully planned light rail alignment and within the railroad yard as part of the due diligence prior to purchase by VTA. Prepared construction and cost impacts summaries for VTA that included mitigation measures for the future light-rail construction. Assisted VTA with developing a strategic approach for presenting the identified environmental concerns to Union Pacific Railroad (UPRR) during purchase negotiations.
- Prepared a Contaminant Management Plan (CMP) during the conceptual design phase to serve as a framework for the designers of the light rail system and to allow for reuse of soil and ballast within the project corridor. Prepared procedures for management of hazardous materials / hazardous waste during future construction. Provided regulatory assistance during negotiations and development of the CMP with California Department of Toxic Substances Control and Regional Water Quality Control Board, San Francisco Bay Region. Evaluated existing investigation data and developed a statistical and risk-based approach for reuse of soil and ballast impacted with heavy metals (primarily arsenic and lead). Assisted VTA in applying for a voluntary cleanup agreement with the Regional Board as lead agency, after which the CMP was approved by the Regional Board. Continued consulting VTA on implementation of the CMP during design.

- Served as project manager and lead engineer for hazardous materials evaluation during the preliminary engineering phase of a road alteration and railroad segment relocation project (Mission/Warren/Truck Rail Program) managed by VTA. Developed and implemented a soil/groundwater investigation plan to provide design and construction requirements and identify appropriate mitigation measures within the project corridor. Prepared an investigation summary report and an Environmental Impacts Mitigation Plan. Incorporated strategies for soil reuse, appropriate soil management procedures, and recommendations for construction dewatering.
- Served as project manager and lead engineer for preparation of a Remedial Action Plan (RAP), remedial cost estimate, and plans and specifications for the former Newhall Railroad Yard in San Jose. Received approval on the RAP from the Regional Board. Conducted a comprehensive site-wide investigation to supplement prior investigations. Provided oversight of the remedial effort. Prepared a Remedial Action Completion Report for submittal to the Regional Board.
- Served as project manager and lead engineer for the preparation of two additional Remedial Action Plans for separate sections (Silicon Valley Berryessa Extension Project area and Mission/Warren Project area) of the 9-mile portion of the extension in Fremont, Milpitas, and San Jose.

Santa Clara Valley Transportation Authority (VTA), On-Call Services, Fremont/Milpitas/San Jose/Santa Clara, California. Managed an On-Call Services contract with VTA. Select projects included:

- Conducted a Phase I and Phase II Environmental Site Assessment on a downtown San Jose parcel (Mitchell Block) on the behalf of VTA as part of the due diligence process prior to the \$40 million purchase.
- Provided in-depth consultation with respect to creosote contamination from bridge pilings.
- Abandoned monitoring wells on VTA right-of-way.
- Provided an evaluation of a parcel with a deed restriction VTA planned on purchasing in order to determine deed restriction requirements and feasibility of removing deed restriction once the property was purchased.
- Provided support to VTA's legal team for a cost recovery claim against a large railroad operator.

County of Marin, Cal Park Hill Tunnel Rehabilitation and Pathway Improvements, San Rafael/Larkspur, California. Manager and project engineer for the hazardous materials portion of a joint-use rail and trail construction project. Conducted Phase I ESA and subsequent Phase II ESA of soil along former railroad corridor to be used for the project. Prepared recommendations for appropriate management of contaminated soil in order to mitigate potential impacts during project construction. Prepared plans and specifications for management of the contaminated soil during construction as part of the bid package.

Santa Clara Valley Water District. Project engineer assisting on Phase I Hazardous Substance Liability Assessments (similar to Phase I ESA's) for parcels along flood control projects. District project included 52 parcels for evaluation.

AFCEE, WERC, Defense National Stockpile Center Site Restoration, Moss Landing California. Project manager and lead engineer for site cleanup of chromite ore from a historical national stockpile location. Prepared the Remedial Work Plan and negotiated acceptance and cleanup goals with the California Regional Water Quality Control Board, Central Coast Region. Obtained all permits for the remedial implementation, including a Coastal Administrative Permit due to the work being done within the California Coastal Zone. The remedial cleanup included the excavation and removal of 1,500 tons of ore as hazardous waste and 500 tons of chromite impacted soil for the protection of a nearby watercourse and to release the property to the owner without any environmental restrictions. Received site closure letters from the Regional Board and Monterey County Environmental Health Department.

Redevelopment Agency of the City of San Jose, Multiple Sites, San Jose, California. Project engineer for several Agency sites. Select project experience includes:

- Assessed potential soil issues for an access road and parking lot construction project. Directed assessment of soil for chemical impacts. Prepared plans and specifications for the construction bid package for appropriate handling and disposal of lead impacted soil. Prepared an engineer's estimate to be used for bidding.
- A fuel leak site (City's former service yard) set for future mixed residential / commercial development. Developed work plan and conducted soil, groundwater, and soil gas investigations to update site data from the 1980s and fill in data gaps. Assisted with preparation of human health risk evaluation summary and consulted Agency on existing soil and groundwater issues with regards to planned future development and plan for site closure.
- Responsible for developing an integrated Remedial Action Plan under the Polanco Redevelopment Act for a service station the Agency planned to acquire. Recommended dual-phase extraction, enhanced bioremediation, and utility grouting to address plume migration under a major road and through underground utilities. Prepared a cost estimate for cleanup of the site. Implemented a field investigation along a sewer line suspected of a preferential pathway for off-site migration of contamination.
- A site containing a former dry cleaner. Implemented a soil and groundwater investigation to characterize contamination from chlorinated solvents. Recommended closure pending the results of indoor air quality monitoring. Received concurrence from the regulatory agency.
- A building demolition and parking lot construction project at two commercial/ industrial sites. Prepared demolition plans (including hazardous materials abatement), specifications, and engineering estimates for the demolition bid package and provided bid support assistance. Coordinated preparation of the plans and specifications for the design of a parking lot to follow demolition activities. Served as the City's engineer during the hazardous materials abatement and demolitions.

Northrop Grumman, PCBs and Dioxins Characterization, Sunnyvale, California. Lead engineer for supplemental investigation and remediation of a US EPA Superfund site. Prepared work plans for additional characterization of PCBs and dioxins based on EPA 5-year review comments and the requirements outlined in the Record of Decision. Oversaw implementation of the grid sampling and provided evaluation of the data collected. Prepared supplemental site characterization reports for the PCBs and dioxins as separate issues, per client request. Prepared a Remedial Design Work Plan for removal of PCB-impacted soils for submittal to EPA.

RioTinto Alcan, Kitimat, British Columbia, Canada. Project engineer. Developed technical specifications and plans for the cleaning and demolition of an aluminum smelter to make room for a planned \$2 billion upgrade of the facility.

Tyco Printed Circuit Group, Printed Circuit Board Facility Closures, Stockton, California. Project manager and lead engineer for the closure of two former printed circuit board manufacturing facilities. Developed and implemented a closure sampling program for the local CUPA (San Joaquin County). Conducted Preliminary Endangerment Assessments (PEA) for each site under California DTSC oversight due to findings of former releases to soil and groundwater and prepared the PEA reports. Evaluated potential risks to human health and the environment for each site. Prepared an Interim Measures Work Plan and implemented soil removal at one site to obtain a No Further Action letter from DTSC. Installed wells and conducted quarterly groundwater monitoring at the other site. Prepared a Corrective Measures Proposal for closure the other site under a deed restriction, as agreed upon by DTSC.

Tyco Electronics Corporation, Titan Facility Closure Estimate, Fremont, California. Project manager for the identification of existing conditions of a printed circuit board manufacturing facility, which was under a sublease agreement with the client, and preparation of an engineer's estimate for the cost of facility closure, including removal of all hazardous materials/wastes, facility decontamination, and agency approval on work plans and clean closure.

PG&E, Former Manufactured Gas Plant Site, Madera, California. Project manager for the preparation of a remedial investigation report following investigation activities at a former manufactured gas plant site.

Selby LLC, Selby Slag Site, Selby, California. Project engineer and task manager for this 66-acre former smelter site that includes a one-mile shoreline along San Pablo Bay. Project experience includes the following:

- Assisted with preliminary evaluation of the site and preparation of an engineer's estimate for remediation/containment of contamination from the site. Evaluated project files and estimated costs of rip rap for erosion control along a shoreline and costs for dredging and treatment/disposal of sediments impacted with metals.
- Managed evaluation and reporting of sediment characterization and toxicity assessment studies conducted at the site.

- Prepared a treatability study work plan and oversaw implementation and evaluation of the treatability study data for mitigating metals dissolution into groundwater with low pH.
- Prepared a Feasibility Study/ Remedial Action Plan (FS/RAP). Evaluated several remedial options including installing a slurry and structural cut-off wall and building a groundwater extraction and treatment system to remediate the groundwater with high dissolved metal concentrations, low pH, and high total dissolved solids.

Tyco Thermal Controls, Wipe Sampling, Redwood City, California. Project manager for investigation of polychlorinated biphenyls (PCBs) within a portion of the facility. Provided the client with data and consultation regarding the surface PCB concentrations from the concrete floor and high-occupancy surface PCB concentrations criterion allowed by 40 CFR Section 761.30(p)(1) and Section 761.79(b)(4).

Zomax, Inc., Facility and PBR Closure Assistance, Fremont, California. Project manager for hazardous materials closure assistance for a facility that manufactured compact disc and digital video disc masters. Managed preparation of the biennial waste report and separate closure plans for facility hazardous materials closure and PBR closure. Guided decontamination at hazardous materials/use areas and provided post-decontamination sampling and analysis to verify that decontamination was satisfactorily completed. Prepared separate closure reports for the facility and PBR closure and obtained a no further action letter from the oversight agency.

Tyco Electronics, Printed Circuit Group, Environmental Site Assessments, Various Locations in California and Oregon. Project engineer for the assessment of potential environmental liabilities at several Tyco PGG assembly and printed circuit board manufacturing facilities. Conducted Phase I ESAs at sites in Union City and Santa Clara, California. Directed the implementation of a Phase II ESA at the Santa Clara facility. Reviewed results of Phase I and Phase II ESAs and prepared technical memoranda on potential environmental liabilities, including associated costs for Santa Clara and San Diego, California, and Dallas, Oregon.

ConocoPhillips, Line 60/66 Release Areas, Golden Eagle Refinery (formerly Avon Refinery), Martinez, California. Project manager and project engineer for a refinery remediation site that involved former releases of thousands of gallons of MTBE from one pipeline and reformate (gasoline/light diesel range) from another to shallow groundwater. Developed and implemented a well testing program to evaluate the existing effectiveness of free product removal at the site per the request of the client. Evaluated data from prior consultants and the existing remediation systems. Determined additional site characterization needs and developed a plan for augmenting the remedial system. Provided oversight of the investigation and worked with the refinery through its management of change process to reroute one of the systems due to changes in regulations applying to the refinery.

ConocoPhillips, Former Bulk Plant, Los Banos, California. Project engineer for site with former leaking underground storage tanks and fuel lines. Assisted in management of investigation and remedial efforts at the site. Evaluated need for

additional site characterization and developed a work plan for assessment of an MTBE plume migrating off-site. Conducted oversight of the investigation activities and implemented free product removal in an area where almost two feet of gasoline with MTBE was floating on the groundwater.

ConocoPhillips, Former Bulk Plant, Dixon, California. Project engineer for site with former leaking underground storage tanks. Evaluated need for additional site characterization and potential in-situ remediation technologies that could be used at the site, since preliminary engineering evaluations determined that costs for disposal of extracted groundwater would be very high for the site. Developed a work plan for assessment a potential plume migrating on-site from an upgradient source and for pilot-testing of ozone sparging with vapor extraction as a feasible remedial technology for the site.

ConocoPhillips, Bulk Plants, Various Locations, California. Project engineer. Assisted in the engineering evaluation of existing soil, groundwater, and pilot testing data for several bulk plants where characterization and preliminary remedial activities were underway due to petroleum releases that had previously occurred because of the former fuel distribution operations at the sites. Determined feasible remedial approaches for each site and provided detailed cost estimates for each recommended remedial alternative. Developed cost-to-closure estimates for 10 bulk plants to cover up to 10 years of site activities per the request of the client. Conducted work during transfer of projects from prior consultants.

ConocoPhillips, Site-Wide FPLH Removal Program, Golden Eagle Refinery (formerly Avon Refinery), Martinez, California. Project engineer. Developed and implemented a site-wide well testing program for wells containing free product at the refinery to evaluate the existing effectiveness of free product removal systems per the request of the client. Evaluated over 100 wells containing free product up to several feet in thickness.

Equity Office Properties, Facility Closure, Santa Clara, California. Project engineer for the closure of a former silicon wafer manufacturing facility that consisted of two separate buildings, each with wastewater treatment systems. Obtained permits for closure activities and wastewater discharge during facility decontamination, including a separate permit for the closure of a Permit by Rule permitted wastewater treatment system. Conducted oversight during the identification and removal of abandoned chemicals and hazardous materials, the removal of underground tanks, and the removal of a 12,000 gallon concrete sump associated with the wastewater treatment system. Client contact with the local regulatory agencies to keep the project moving. Implemented verification sampling and prepared closure reports for each permit. Obtained permit closure for four separate permits that were required by the local oversight agency.

Electrogilas, Facility Closure, Santa Clara, California. Project manager and engineer assisting client with a hazardous materials closure of a former manufacturing facility. Provided regulatory liaison and verified clean closure.

Tyco Printed Circuit Group, Process Line Closure, Santa Clara, California. Project engineer for closure of two process lines being replaced in an active manufacturing facility. Provided regulatory liaison during closure and conducted

characterization to verify clean closure. Conducted oversight of soil excavation below the flooring within a room in the facility based on findings of a release to soil below the flooring. Obtained closure following the remediation and subsequent restoration of the building flooring.

ConocoPhillips, Selby Sewer Line, Selby, California. Project engineer assisting with evaluation of a sewer line relocation and package wastewater treatment plant alternatives. Identified potential package treatment plants and prepared a cost estimate for the purchase, installation, and long-term operation of a commercially available treatment plant suitable for the site. Conducted an investigation along the proposed alignment for the new sewer line to determine soil and groundwater contamination that will be encountered during construction of the sewer line. Interfaced with regulators to obtain permits and implement the investigation.

World Oil, Site Characterization, Remediation System Design, Installation, and O&M, San Jose and Morgan Hill, California. Project manager for two fuel leak sites for a large oil company. Coordinated start-up and O&M of groundwater extraction treatment systems. Oversaw the design of a soil vapor extraction system at one site. Completed characterization of lateral and vertical extent of the plume at the second site, while progressing towards a corrective action plan.

Tyco Printed Circuit Group, Printed Circuit Board Facility Closure, Fremont, California. Project engineer for the closure of a former printed circuit board manufacturing facility. Prepared closure plan for the facility and a separate closure plan for two fixed-treatment units permitted under the Permit By Rule (PBR) tier of California's tiered permitting system, as requested by the local Certified Unified Program Agency (CUPA), or Fremont Fire Department. Developed a sampling program to confirm sufficient decontamination at the facility following removal of all hazardous materials and to mitigate potential liability associated with the former facility operations. Developed clean up goals for approval by the CUPA. Implemented the sampling program as field supervisor for confirmation sample collection and on-site health and safety coordinator. Prepared a closure report to obtain closure of the PBR permitted units from the CUPA and DTSC.

US Navy, Construction of Consolidation Unit, Former NAS Barbers Point, Oahu, Hawaii. Assisted in the revision of a Performance Design Package for the construction of a consolidation unit for disposal of PAH-contaminated wood chips over an existing landfill. Updated specifications and the basis of design to account for an increase in anticipated disposal quantities. Checked calculations on drainage swales, a bench subdrain, toe drains, landfill gas generation rates, passive gas vent removal rates, and slope stability.

Ship Dismantlement and Recycling (SDR) Joint Venture, Regulatory Compliance Assistance, Former Hunters Point Naval Shipyard, California. Consultant for hazardous materials compliance issues during a naval ship-decommissioning project. Assisted in the implementation of a hazardous materials management program. Conducted site inspections and reviewed manifests and other applicable documentation associated with the removal of hazardous materials from four naval ships to ensure storage, transportation, and disposal were in compliance with associated laws and regulations. Advised client on proper training, record keeping and reporting requirements.

Historical Lodge, Site Remediation and Wetlands Restoration, California.

Project manager and project engineer for a \$1.5 million project consisting of in-situ remediation of petroleum hydrocarbons that leaked from a 10,000-gallon underground storage tank beneath the riverbank along the Yuba River. Obtained appropriate permits from several regulatory agencies including US Army Corps of Engineers, California Department of Fish and Game, Placer County Environmental Health Services Department and Planning Department, and California Regional Water Quality Control Board for the construction of rip rap for bank stabilization and groundwater remediation under the riverbank. Implemented a proprietary chemical oxidation process, including conducting bench-scale and pilot-scale testing. Directed site characterization efforts and evaluated data to formulate an appropriate remediation strategy. Developed testing and monitoring protocols for the proprietary process. Supervised field personnel and coordinated project health and safety monitoring during the treatment process. Interfaced with the regulatory agencies to during the project, which was under great scrutiny due to its proximity to an ecologically sensitive area.

Various Clients, Quarterly Groundwater Monitoring. Conducted periodic groundwater sampling of monitoring wells and prepared reports for submittal to the local regulatory agencies.

Various Clients, Soil and Groundwater Remediation, In-situ Oxidation.

Assisted in the development and implementation of a chemical oxidation process based on the direct injection of hydrogen peroxide into impacted soil and groundwater for in-situ destruction of the targeted hydrocarbons.

Water Agency, Soil and Groundwater Remediation, In-situ Bioremediation, California. Managed enhanced bioremediation project. Developed remediation strategy and installed columns of an oxygen releasing compound in the subsurface with nutrients to stimulate aerobic degradation of petroleum hydrocarbons in the impacted soil and groundwater.

Various Clients, Underground Storage Tank Removals. Conducted project oversight for the removal of small (1,000-gallon or less) underground fuel storage and waste oil tanks. Provided regulatory assistance, coordinated tank removal and disposal, and conducted post-removal sampling. Prepared closure reports for the local environmental health departments.

Various Clients, Phase II Subsurface Investigations. Project manager and/or field supervisor for subsurface investigations at sites contaminated with chlorinated hydrocarbons, petroleum hydrocarbons, and metals. Evaluated analytical data to determine extent of contamination and prepared reports with recommendations for additional characterization, monitoring, and/or remediation strategies.

APPENDIX E

Noise and Vibration

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : SMART PM SUPPORT SERVICES
Project Number : 60191144
Modeling Condition : Existing No Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Lincoln Avenue	3rd Street	4th Street	732	25	50	97	2	1	87	0	13	
2	Lincoln Avenue	3rd Street	2nd Street	643	25	50	97	2	1	87	0	13	
3	3rd Street	Lincoln Avenue	Frasncisco Boulevard West	2,387	25	50	97	2	1	87	0	13	
4	3rd Street	Lincoln Avenue	Cijos Street	2,355	25	50	97	2	1	87	0	13	
5	Lincoln Avenue	2nd Street	3rd Street	643	25	50	97	2	1	87	0	13	
6	Lincoln Avenue	2nd Street	Irwin Street	481	25	50	97	2	1	87	0	13	
7	2nd Street	Lincoln Avenue	Frasncisco Boulevard West	2,443	25	50	97	2	1	87	0	13	
8	2nd Street	Lincoln Avenue	Lindaro Street	2,228	25	50	97	2	1	87	0	13	
9	Frasncisco Boulevard West	3rd Street	4th Street	304	25	50	97	2	1	87	0	13	
10	Frasncisco Boulevard West	3rd Street	2nd Street	638	25	50	97	2	1	87	0	13	
11	3rd Street	Frasncisco Boulevard West	Hetherson Street	2,765	25	50	97	2	1	87	0	13	
12	3rd Street	Frasncisco Boulevard West	Lincoln Avenue	2,387	25	50	97	2	1	87	0	13	
13	Frasncisco Boulevard West	2nd Street	3rd Street	638	25	50	97	2	1	87	0	13	
14	Frasncisco Boulevard West	2nd Street	Irwin Street	836	25	50	97	2	1	87	0	13	
15	2nd Street	Frasncisco Boulevard West	Hetherson Street	2,837	25	50	97	2	1	87	0	13	
16	2nd Street	Frasncisco Boulevard West	Lincoln Avenue	2,443	25	50	97	2	1	87	0	13	
17	Hetherson Street	3rd Street	4th Street	1,341	25	50	97	2	1	87	0	13	
18	Hetherson Street	3rd Street	2nd Street	1,444	25	50	97	2	1	87	0	13	
19	3rd Street	Hetherson Street	Irwin Street	2,486	25	50	97	2	1	87	0	13	
20	3rd Street	Hetherson Street	Frasncisco Boulevard West	2,765	25	50	97	2	1	87	0	13	
21	Hetherson Street	2nd Street	3rd Street	1,444	25	50	97	2	1	87	0	13	
22	Hetherson Street	2nd Street	US 101 SB On Ramp	2,251	25	50	97	2	1	87	0	13	
23	2nd Street	Hetherson Street	Irwin Street	2,091	25	50	97	2	1	87	0	13	
24	2nd Street	Hetherson Street	Frasncisco Boulevard West	2,837	25	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)

Predicted Noise Levels



Project Name : SMART PM SUPPORT SERVICES

Project Number : 60191144

Modeling Condition : Existing No Project

Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Lincoln Avenue	3rd Street	4th Street	56.9	51.7	56.3	60.3	11	24	52	113	243
2	Lincoln Avenue	3rd Street	2nd Street	56.4	51.1	55.8	59.7	10	22	48	103	223
3	3rd Street	Lincoln Avenue	Frasncisco Boulevard West	62.1	56.8	61.5	65.4	25	53	115	248	534
4	3rd Street	Lincoln Avenue	Cijos Street	62.0	56.8	61.4	65.4	25	53	114	246	530
5	Lincoln Avenue	2nd Street	3rd Street	56.4	51.1	55.8	59.7	10	22	48	103	223
6	Lincoln Avenue	2nd Street	Irwin Street	55.1	49.9	54.5	58.5	9	18	40	85	184
7	2nd Street	Lincoln Avenue	Frasncisco Boulevard West	62.2	56.9	61.6	65.5	25	54	117	252	543
8	2nd Street	Lincoln Avenue	Lindaro Street	61.8	56.5	61.2	65.1	24	51	110	237	510
9	Frasncisco Boulevard West	3rd Street	4th Street	53.1	47.9	52.5	56.5	6	14	29	63	135
10	Frasncisco Boulevard West	3rd Street	2nd Street	56.3	51.1	55.7	59.7	10	22	48	103	222
11	3rd Street	Frasncisco Boulevard West	Hetherson Street	62.7	57.5	62.1	66.1	27	59	127	274	589
12	3rd Street	Frasncisco Boulevard West	Lincoln Avenue	62.1	56.8	61.5	65.4	25	53	115	248	534
13	Frasncisco Boulevard West	2nd Street	3rd Street	56.3	51.1	55.7	59.7	10	22	48	103	222
14	Frasncisco Boulevard West	2nd Street	Irwin Street	57.5	52.3	56.9	60.9	12	27	57	123	266
15	2nd Street	Frasncisco Boulev	Hetherson Street	62.8	57.6	62.2	66.2	28	60	129	278	600
16	2nd Street	Frasncisco Boulev	Lincoln Avenue	62.2	56.9	61.6	65.5	25	54	117	252	543
17	Hetherson Street	3rd Street	4th Street	59.6	54.3	59.0	62.9	17	36	78	169	364
18	Hetherson Street	3rd Street	2nd Street	59.9	54.7	59.3	63.3	18	38	82	177	382
19	3rd Street	Hetherson Street	Irwin Street	62.3	57.0	61.6	65.6	25	55	118	255	549
20	3rd Street	Hetherson Street	Frasncisco Boulev	62.7	57.5	62.1	66.1	27	59	127	274	589
21	Hetherson Street	2nd Street	3rd Street	59.9	54.7	59.3	63.3	18	38	82	177	382
22	Hetherson Street	2nd Street	US 101 SB On Ra	61.8	56.6	61.2	65.2	24	51	111	239	514
23	2nd Street	Hetherson Street	Irwin Street	61.5	56.3	60.9	64.9	23	49	105	227	489
24	2nd Street	Hetherson Street	Frasncisco Boulev	62.8	57.6	62.2	66.2	28	60	129	278	600

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : SMART PM SUPPORT SERVICES
Project Number : 60191144
Modeling Condition : Existing No Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Irwin Street	3rd Street	4th Street	1,435	25	50	97	2	1	87	0	13	
2	Irwin Street	3rd Street	2nd Street	2,418	25	50	97	2	1	87	0	13	
3	3rd Street	Irwin Street	Grand Avenue	1,363	25	50	97	2	1	87	0	13	
4	3rd Street	Irwin Street	Hetherson Street	2,486	25	50	97	2	1	87	0	13	
5	Irwin Street	2nd Street	3rd Street	2,418	25	50	97	2	1	87	0	13	
6	Irwin Street	2nd Street	US 101 NB Off Ramp	2,044	25	50	97	2	1	87	0	13	
7	2nd Street	Irwin Street	Grand Avenue	1,767	25	50	97	2	1	87	0	13	
8	2nd Street	Irwin Street	Hetherson Street	2,091	25	50	97	2	1	87	0	13	
9	SB Off Ramp	Sir Francis Drake Boulevard	SB Off Ramp	501	35	50	97	2	1	87	0	13	
	SB On Ramp	Sir Francis Drake Boulevard	SB On Ramp	0	35	50		2	1	87	0		
11	Sir Francis Drake Boulevard	SB On and Off Ramps	Frasncisco Boulevard West	4,527	35	50	97	2	1	87	0	13	
12	Sir Francis Drake Boulevard	SB On and Off Ramps	NB On and Off Ramps	2,772	35	50	97	2	1	87	0	13	
13	NB On Ramp	Sir Francis Drake Boulevard	NB On Ramp	1,588	35	50	97	2	1	87	0	13	
14	NB Off Ramp	Sir Francis Drake Boulevard	NB Off Ramp	1,734	35	50	97	2	1	87	0	13	
15	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir East	4,527	35	50	97	2	1	87	0	13	
16	Sir Francis Drake Boulevard	NB On and Off Ramps	SB On and Off Ramps	3,264	35	50	97	2	1	87	0	13	
17	Larkspur Landing Cir	Sir Francis Drake Boulevard	Old Quarry Roads	867	25	50	97	2	1	87	0	13	
18	Larkspur Landing Cir	Sir Francis Drake Boulevard	South of Sir Francis Drake Boulevard	1,278	25	50	97	2	1	87	0	13	
19	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir West	2,978	35	50	97	2	1	87	0	13	
20	Sir Francis Drake Boulevard	NB On and Off Ramps	NB On and Off Ramps	4,527	35	50	97	2	1	87	0	13	
21	Larkspur Landing Cir	Sir Francis Drake Boulevard	Lincoln Village Circle	503	25	50	97	2	1	87	0	13	
	Larkspur Landing Cir	Sir Francis Drake Boulevard	South of Sir Francis Drake Boulevard	0	25	50		2	1	87	0		
23	Sir Francis Drake Boulevard	NB On and Off Ramps	Drakes Cove Road	2,959	35	50	97	2	1	87	0	13	
24	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir West	2,978	35	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)

Predicted Noise Levels



Project Name : SMART PM SUPPORT SERVICES

Project Number : 60191144

Modeling Condition : Existing No Project

Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Irwin Street	3rd Street	4th Street	59.9	54.6	59.2	63.2	18	38	82	177	381
2	Irwin Street	3rd Street	2nd Street	62.1	56.9	61.5	65.5	25	54	116	250	539
3	3rd Street	Irwin Street	Grand Avenue	59.6	54.4	59.0	63.0	17	37	79	171	368
4	3rd Street	Irwin Street	Hetherson Street	62.3	57.0	61.6	65.6	25	55	118	255	549
5	Irwin Street	2nd Street	3rd Street	62.1	56.9	61.5	65.5	25	54	116	250	539
6	Irwin Street	2nd Street	US 101 NB Off Ramp	61.4	56.2	60.8	64.8	22	48	104	224	482
7	2nd Street	Irwin Street	Grand Avenue	60.8	55.5	60.2	64.1	20	44	94	203	437
8	2nd Street	Irwin Street	Hetherson Street	61.5	56.3	60.9	64.9	23	49	105	227	489
9	SB Off Ramp	Sir Francis Drake Boulevard	SB Off Ramp	59.5	52.3	54.5	61.3	13	28	61	131	283
	SB On Ramp	Sir Francis Drake Boulevard	SB On Ramp									
11	Sir Francis Drake Boulevard	SB On and Off Ramps	Frasncisco Boulevard West	69.1	61.9	64.1	70.9	57	123	265	570	1228
12	Sir Francis Drake Boulevard	SB On and Off Ramps	NB On and Off Ramps	66.9	59.8	62.0	68.7	41	89	191	411	885
13	NB On Ramp	Sir Francis Drake Boulevard	NB On Ramp	64.5	57.3	59.5	66.3	28	61	132	283	611
14	NB Off Ramp	Sir Francis Drake Boulevard	NB Off Ramp	64.9	57.7	59.9	66.7	30	65	140	301	648
15	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	69.1	61.9	64.1	70.9	57	123	265	570	1228
16	Sir Francis Drake Boulevard	NB On and Off Ra	SB On and Off Ra	67.6	60.5	62.7	69.4	46	99	213	458	987
17	Larkspur Landing Cir	Sir Francis Drake	Old Quarry Roads	57.7	52.4	57.1	61.0	13	27	59	126	272
18	Larkspur Landing Cir	Sir Francis Drake	South of Sir Franc	59.4	54.1	58.7	62.7	16	35	76	164	352
19	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	67.2	60.1	62.3	69.0	43	93	200	431	929
20	Sir Francis Drake Boulevard	NB On and Off Ra	NB On and Off Ra	69.1	61.9	64.1	70.9	57	123	265	570	1228
21	Larkspur Landing Cir	Sir Francis Drake	Lincoln Village Cir	55.3	50.1	54.7	58.7	9	19	41	88	189
	Larkspur Landing Cir	Sir Francis Drake	South of Sir Franc									
23	Sir Francis Drake Boulevard	NB On and Off Ra	Drakes Cove Roa	67.2	60.1	62.2	69.0	43	92	199	429	925
24	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	67.2	60.1	62.3	69.0	43	93	200	431	929

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : SMART PM SUPPORT SERVICES
Project Number : 60191144
Modeling Condition : Cumulative No Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Lincoln Avenue	3rd Street	4th Street	1,507	25	50	97	2	1	87	0	13	
2	Lincoln Avenue	3rd Street	2nd Street	1,373	25	50	97	2	1	87	0	13	
3	3rd Street	Lincoln Avenue	Frasncisco Boulevard West	3,388	25	50	97	2	1	87	0	13	
4	3rd Street	Lincoln Avenue	Cijos Street	3,340	25	50	97	2	1	87	0	13	
5	Lincoln Avenue	2nd Street	3rd Street	1,373	25	50	97	2	1	87	0	13	
6	Lincoln Avenue	2nd Street	Irwin Street	1,201	25	50	97	2	1	87	0	13	
7	2nd Street	Lincoln Avenue	Frasncisco Boulevard West	3,552	25	50	97	2	1	87	0	13	
8	2nd Street	Lincoln Avenue	Lindaro Street	3,176	25	50	97	2	1	87	0	13	
9	Frasncisco Boulevard West	3rd Street	4th Street	686	25	50	97	2	1	87	0	13	
10	Frasncisco Boulevard West	3rd Street	2nd Street	1,276	25	50	97	2	1	87	0	13	
11	3rd Street	Frasncisco Boulevard West	Hetherson Street	3,672	25	50	97	2	1	87	0	13	
12	3rd Street	Frasncisco Boulevard West	Lincoln Avenue	3,388	25	50	97	2	1	87	0	13	
13	Frasncisco Boulevard West	2nd Street	3rd Street	1,276	25	50	97	2	1	87	0	13	
14	Frasncisco Boulevard West	2nd Street	Irwin Street	1,757	25	50	97	2	1	87	0	13	
15	2nd Street	Frasncisco Boulevard West	Hetherson Street	3,691	25	50	97	2	1	87	0	13	
16	2nd Street	Frasncisco Boulevard West	Lincoln Avenue	3,552	25	50	97	2	1	87	0	13	
17	Hetherson Street	3rd Street	4th Street	1,901	25	50	97	2	1	87	0	13	
18	Hetherson Street	3rd Street	2nd Street	1,819	25	50	97	2	1	87	0	13	
19	3rd Street	Hetherson Street	Irwin Street	3,733	25	50	97	2	1	87	0	13	
20	3rd Street	Hetherson Street	Frasncisco Boulevard West	3,672	25	50	97	2	1	87	0	13	
21	Hetherson Street	2nd Street	3rd Street	1,819	25	50	97	2	1	87	0	13	
22	Hetherson Street	2nd Street	US 101 SB On Ramp	2,815	25	50	97	2	1	87	0	13	
23	2nd Street	Hetherson Street	Irwin Street	2,880	25	50	97	2	1	87	0	13	
24	2nd Street	Hetherson Street	Frasncisco Boulevard West	3,691	25	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)

Predicted Noise Levels



Project Name : SMART PM SUPPORT SERVICES

Project Number : 60191144

Modeling Condition : Cumulative No Project

Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Lincoln Avenue	3rd Street	4th Street	60.1	54.8	59.5	63.4	18	39	85	183	393
2	Lincoln Avenue	3rd Street	2nd Street	59.7	54.4	59.1	63.0	17	37	80	172	370
3	3rd Street	Lincoln Avenue	Frasncisco Boulevard West	63.6	58.4	63.0	67.0	31	67	145	313	675
4	3rd Street	Lincoln Avenue	Cijos Street	63.5	58.3	62.9	66.9	31	67	144	310	669
5	Lincoln Avenue	2nd Street	3rd Street	59.7	54.4	59.1	63.0	17	37	80	172	370
6	Lincoln Avenue	2nd Street	Irwin Street	59.1	53.9	58.5	62.5	16	34	73	157	338
7	2nd Street	Lincoln Avenue	Frasncisco Boulevard West	63.8	58.6	63.2	67.2	32	70	150	323	697
8	2nd Street	Lincoln Avenue	Lindaro Street	63.3	58.1	62.7	66.7	30	65	139	300	647
9	Frasncisco Boulevard West	3rd Street	4th Street	56.7	51.4	56.0	60.0	11	23	50	108	233
10	Frasncisco Boulevard West	3rd Street	2nd Street	59.4	54.1	58.7	62.7	16	35	76	163	352
11	3rd Street	Frasncisco Boulevard West	Hetherson Street	63.9	58.7	63.3	67.3	33	71	153	331	712
12	3rd Street	Frasncisco Boulevard West	Lincoln Avenue	63.6	58.4	63.0	67.0	31	67	145	313	675
13	Frasncisco Boulevard West	2nd Street	3rd Street	59.4	54.1	58.7	62.7	16	35	76	163	352
14	Frasncisco Boulevard West	2nd Street	Irwin Street	60.7	55.5	60.1	64.1	20	44	94	202	436
15	2nd Street	Frasncisco Boulev	Hetherson Street	64.0	58.7	63.4	67.3	33	71	154	332	715
16	2nd Street	Frasncisco Boulev	Lincoln Avenue	63.8	58.6	63.2	67.2	32	70	150	323	697
17	Hetherson Street	3rd Street	4th Street	61.1	55.8	60.5	64.4	21	46	99	213	459
18	Hetherson Street	3rd Street	2nd Street	60.9	55.7	60.3	64.3	21	45	96	207	446
19	3rd Street	Hetherson Street	Irwin Street	64.0	58.8	63.4	67.4	33	72	155	334	720
20	3rd Street	Hetherson Street	Frasncisco Boulev	63.9	58.7	63.3	67.3	33	71	153	331	712
21	Hetherson Street	2nd Street	3rd Street	60.9	55.7	60.3	64.3	21	45	96	207	446
22	Hetherson Street	2nd Street	US 101 SB On Ra	62.8	57.6	62.2	66.2	28	60	129	277	597
23	2nd Street	Hetherson Street	Irwin Street	62.9	57.7	62.3	66.2	28	61	130	281	606
24	2nd Street	Hetherson Street	Frasncisco Boulev	64.0	58.7	63.4	67.3	33	71	154	332	715

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : SMART PM SUPPORT SERVICES
Project Number : 60191144
Modeling Condition : Cumulative No Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Irwin Street	3rd Street	4th Street	2,219	25	50	97	2	1	87	0	13	
2	Irwin Street	3rd Street	2nd Street	3,245	25	50	97	2	1	87	0	13	
3	3rd Street	Irwin Street	Grand Avenue	2,369	25	50	97	2	1	87	0	13	
4	3rd Street	Irwin Street	Hetherson Street	3,733	25	50	97	2	1	87	0	13	
5	Irwin Street	2nd Street	3rd Street	3,245	25	50	97	2	1	87	0	13	
6	Irwin Street	2nd Street	US 101 NB Off Ramp	2,854	25	50	97	2	1	87	0	13	
7	2nd Street	Irwin Street	Grand Avenue	2,510	25	50	97	2	1	87	0	13	
8	2nd Street	Irwin Street	Hetherson Street	2,880	25	50	97	2	1	87	0	13	
9	SB Off Ramp	Sir Francis Drake Boulevard	SB Off Ramp	813	35	50	97	2	1	87	0	13	
	SB On Ramp	Sir Francis Drake Boulevard	SB On Ramp	0	35	50		2	1	87	0		
11	Sir Francis Drake Boulevard	SB On and Off Ramps	Frasncisco Boulevard West	6,334	35	50	97	2	1	87	0	13	
12	Sir Francis Drake Boulevard	SB On and Off Ramps	NB On and Off Ramps	4,171	35	50	97	2	1	87	0	13	
13	NB On Ramp	Sir Francis Drake Boulevard	NB On Ramp	1,633	35	50	97	2	1	87	0	13	
14	NB Off Ramp	Sir Francis Drake Boulevard	NB Off Ramp	2,112	35	50	97	2	1	87	0	13	
15	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir East	6,334	35	50	97	2	1	87	0	13	
16	Sir Francis Drake Boulevard	NB On and Off Ramps	SB On and Off Ramps	4,964	35	50	97	2	1	87	0	13	
17	Larkspur Landing Cir	Sir Francis Drake Boulevard	Old Quarry Roads	2,174	25	50	97	2	1	87	0	13	
18	Larkspur Landing Cir	Sir Francis Drake Boulevard	South of Sir Francis Drake Boulevard	1,577	25	50	97	2	1	87	0	13	
19	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir West	4,061	35	50	97	2	1	87	0	13	
20	Sir Francis Drake Boulevard	NB On and Off Ramps	NB On and Off Ramps	6,334	35	50	97	2	1	87	0	13	
21	Larkspur Landing Cir	Sir Francis Drake Boulevard	Lincoln Village Circle	1,222	25	50	97	2	1	87	0	13	
	Larkspur Landing Cir	Sir Francis Drake Boulevard	South of Sir Francis Drake Boulevard	0	25	50		2	1	87	0		
23	Sir Francis Drake Boulevard	NB On and Off Ramps	Drakes Cove Road	4,191	35	50	97	2	1	87	0	13	
24	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir West	4,061	35	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)

Predicted Noise Levels



Project Name : SMART PM SUPPORT SERVICES

Project Number : 60191144

Modeling Condition : Cumulative No Project

Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Irwin Street	3rd Street	4th Street	61.8	56.5	61.1	65.1	24	51	110	236	509
2	Irwin Street	3rd Street	2nd Street	63.4	58.2	62.8	66.8	30	66	141	304	656
3	3rd Street	Irwin Street	Grand Avenue	62.0	56.8	61.4	65.4	25	53	115	247	532
4	3rd Street	Irwin Street	Hetherson Street	64.0	58.8	63.4	67.4	33	72	155	334	720
5	Irwin Street	2nd Street	3rd Street	63.4	58.2	62.8	66.8	30	66	141	304	656
6	Irwin Street	2nd Street	US 101 NB Off Ramp	62.9	57.6	62.2	66.2	28	60	130	279	602
7	2nd Street	Irwin Street	Grand Avenue	62.3	57.1	61.7	65.7	26	55	119	257	553
8	2nd Street	Irwin Street	Hetherson Street	62.9	57.7	62.3	66.2	28	61	130	281	606
9	SB Off Ramp	Sir Francis Drake Boulevard	SB Off Ramp	61.6	54.4	56.6	63.4	18	39	84	181	391
	SB On Ramp	Sir Francis Drake Boulevard	SB On Ramp									
11	Sir Francis Drake Boulevard	SB On and Off Ramps	Frasncisco Boulevard West	70.5	63.4	65.5	72.3	71	154	331	713	1536
12	Sir Francis Drake Boulevard	SB On and Off Ramps	NB On and Off Ramps	68.7	61.5	63.7	70.5	54	116	250	540	1163
13	NB On Ramp	Sir Francis Drake Boulevard	NB On Ramp	64.6	57.5	59.7	66.4	29	62	134	289	622
14	NB Off Ramp	Sir Francis Drake Boulevard	NB Off Ramp	65.8	58.6	60.8	67.5	34	74	159	343	739
15	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	70.5	63.4	65.5	72.3	71	154	331	713	1536
16	Sir Francis Drake Boulevard	NB On and Off Ra	SB On and Off Ra	69.5	62.3	64.5	71.3	61	131	281	606	1306
17	Larkspur Landing Cir	Sir Francis Drake	Old Quarry Roads	61.7	56.4	61.1	65.0	23	50	108	233	502
18	Larkspur Landing Cir	Sir Francis Drake	South of Sir Franc	60.3	55.0	59.7	63.6	19	41	87	188	405
19	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	68.6	61.4	63.6	70.4	53	114	246	530	1142
20	Sir Francis Drake Boulevard	NB On and Off Ra	NB On and Off Ra	70.5	63.4	65.5	72.3	71	154	331	713	1536
21	Larkspur Landing Cir	Sir Francis Drake	Lincoln Village Cir	59.2	53.9	58.6	62.5	16	34	74	159	342
	Larkspur Landing Cir	Sir Francis Drake	South of Sir Franc									
23	Sir Francis Drake Boulevard	NB On and Off Ra	Drakes Cove Roa	68.7	61.6	63.7	70.5	54	117	251	541	1166
24	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	68.6	61.4	63.6	70.4	53	114	246	530	1142

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : SMART PM SUPPORT SERVICES
Project Number : 60191144
Modeling Condition : Cumulative Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Lincoln Avenue	3rd Street	4th Street	1,507	25	50	97	2	1	87	0	13	
2	Lincoln Avenue	3rd Street	2nd Street	1,373	25	50	97	2	1	87	0	13	
3	3rd Street	Lincoln Avenue	Frasncisco Boulevard West	3,388	25	50	97	2	1	87	0	13	
4	3rd Street	Lincoln Avenue	Cijos Street	3,340	25	50	97	2	1	87	0	13	
5	Lincoln Avenue	2nd Street	3rd Street	1,373	25	50	97	2	1	87	0	13	
6	Lincoln Avenue	2nd Street	Irwin Street	1,201	25	50	97	2	1	87	0	13	
7	2nd Street	Lincoln Avenue	Frasncisco Boulevard West	3,552	25	50	97	2	1	87	0	13	
8	2nd Street	Lincoln Avenue	Lindaro Street	3,176	25	50	97	2	1	87	0	13	
9	Frasncisco Boulevard West	3rd Street	4th Street	686	25	50	97	2	1	87	0	13	
10	Frasncisco Boulevard West	3rd Street	2nd Street	1,276	25	50	97	2	1	87	0	13	
11	3rd Street	Frasncisco Boulevard West	Hetherson Street	3,672	25	50	97	2	1	87	0	13	
12	3rd Street	Frasncisco Boulevard West	Lincoln Avenue	3,388	25	50	97	2	1	87	0	13	
13	Frasncisco Boulevard West	2nd Street	3rd Street	1,276	25	50	97	2	1	87	0	13	
14	Frasncisco Boulevard West	2nd Street	Irwin Street	1,757	25	50	97	2	1	87	0	13	
15	2nd Street	Frasncisco Boulevard West	Hetherson Street	3,691	25	50	97	2	1	87	0	13	
16	2nd Street	Frasncisco Boulevard West	Lincoln Avenue	3,552	25	50	97	2	1	87	0	13	
17	Hetherson Street	3rd Street	4th Street	1,901	25	50	97	2	1	87	0	13	
18	Hetherson Street	3rd Street	2nd Street	1,819	25	50	97	2	1	87	0	13	
19	3rd Street	Hetherson Street	Irwin Street	3,733	25	50	97	2	1	87	0	13	
20	3rd Street	Hetherson Street	Frasncisco Boulevard West	3,672	25	50	97	2	1	87	0	13	
21	Hetherson Street	2nd Street	3rd Street	1,819	25	50	97	2	1	87	0	13	
22	Hetherson Street	2nd Street	US 101 SB On Ramp	2,815	25	50	97	2	1	87	0	13	
23	2nd Street	Hetherson Street	Irwin Street	2,880	25	50	97	2	1	87	0	13	
24	2nd Street	Hetherson Street	Frasncisco Boulevard West	3,691	25	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)

Predicted Noise Levels



Project Name : SMART PM SUPPORT SERVICES

Project Number : 60191144

Modeling Condition : Cumulative Plus Project

Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Lincoln Avenue	3rd Street	4th Street	60.1	54.8	59.5	63.4	18	39	85	183	393
2	Lincoln Avenue	3rd Street	2nd Street	59.7	54.4	59.1	63.0	17	37	80	172	370
3	3rd Street	Lincoln Avenue	Frasncisco Boulevard West	63.6	58.4	63.0	67.0	31	67	145	313	675
4	3rd Street	Lincoln Avenue	Cijos Street	63.5	58.3	62.9	66.9	31	67	144	310	669
5	Lincoln Avenue	2nd Street	3rd Street	59.7	54.4	59.1	63.0	17	37	80	172	370
6	Lincoln Avenue	2nd Street	Irwin Street	59.1	53.9	58.5	62.5	16	34	73	157	338
7	2nd Street	Lincoln Avenue	Frasncisco Boulevard West	63.8	58.6	63.2	67.2	32	70	150	323	697
8	2nd Street	Lincoln Avenue	Lindaro Street	63.3	58.1	62.7	66.7	30	65	139	300	647
9	Frasncisco Boulevard West	3rd Street	4th Street	56.7	51.4	56.0	60.0	11	23	50	108	233
10	Frasncisco Boulevard West	3rd Street	2nd Street	59.4	54.1	58.7	62.7	16	35	76	163	352
11	3rd Street	Frasncisco Boulevard West	Hetherson Street	63.9	58.7	63.3	67.3	33	71	153	331	712
12	3rd Street	Frasncisco Boulevard West	Lincoln Avenue	63.6	58.4	63.0	67.0	31	67	145	313	675
13	Frasncisco Boulevard West	2nd Street	3rd Street	59.4	54.1	58.7	62.7	16	35	76	163	352
14	Frasncisco Boulevard West	2nd Street	Irwin Street	60.7	55.5	60.1	64.1	20	44	94	202	436
15	2nd Street	Frasncisco Boulev	Hetherson Street	64.0	58.7	63.4	67.3	33	71	154	332	715
16	2nd Street	Frasncisco Boulev	Lincoln Avenue	63.8	58.6	63.2	67.2	32	70	150	323	697
17	Hetherson Street	3rd Street	4th Street	61.1	55.8	60.5	64.4	21	46	99	213	459
18	Hetherson Street	3rd Street	2nd Street	60.9	55.7	60.3	64.3	21	45	96	207	446
19	3rd Street	Hetherson Street	Irwin Street	64.0	58.8	63.4	67.4	33	72	155	334	720
20	3rd Street	Hetherson Street	Frasncisco Boulev	63.9	58.7	63.3	67.3	33	71	153	331	712
21	Hetherson Street	2nd Street	3rd Street	60.9	55.7	60.3	64.3	21	45	96	207	446
22	Hetherson Street	2nd Street	US 101 SB On Ra	62.8	57.6	62.2	66.2	28	60	129	277	597
23	2nd Street	Hetherson Street	Irwin Street	62.9	57.7	62.3	66.2	28	61	130	281	606
24	2nd Street	Hetherson Street	Frasncisco Boulev	64.0	58.7	63.4	67.3	33	71	154	332	715

Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet



Project Name : SMART PM SUPPORT SERVICES
Project Number : 60191144
Modeling Condition : Cumulative Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Irwin Street	3rd Street	4th Street	2,219	25	50	97	2	1	87	0	13	
2	Irwin Street	3rd Street	2nd Street	3,245	25	50	97	2	1	87	0	13	
3	3rd Street	Irwin Street	Grand Avenue	2,369	25	50	97	2	1	87	0	13	
4	3rd Street	Irwin Street	Hetherson Street	3,733	25	50	97	2	1	87	0	13	
5	Irwin Street	2nd Street	3rd Street	3,245	25	50	97	2	1	87	0	13	
6	Irwin Street	2nd Street	US 101 NB Off Ramp	2,854	25	50	97	2	1	87	0	13	
7	2nd Street	Irwin Street	Grand Avenue	2,510	25	50	97	2	1	87	0	13	
8	2nd Street	Irwin Street	Hetherson Street	2,880	25	50	97	2	1	87	0	13	
9	SB Off Ramp	Sir Francis Drake Boulevard	SB Off Ramp	825	35	50	97	2	1	87	0	13	
	SB On Ramp	Sir Francis Drake Boulevard	SB On Ramp	0	35	50		2	1	87	0		
11	Sir Francis Drake Boulevard	SB On and Off Ramps	Frasncisco Boulevard West	6,425	35	50	97	2	1	87	0	13	
12	Sir Francis Drake Boulevard	SB On and Off Ramps	NB On and Off Ramps	4,231	35	50	97	2	1	87	0	13	
13	NB On Ramp	Sir Francis Drake Boulevard	NB On Ramp	1,645	35	50	97	2	1	87	0	13	
14	NB Off Ramp	Sir Francis Drake Boulevard	NB Off Ramp	2,119	35	50	97	2	1	87	0	13	
15	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir East	6,425	35	50	97	2	1	87	0	13	
16	Sir Francis Drake Boulevard	NB On and Off Ramps	SB On and Off Ramps	5,036	35	50	97	2	1	87	0	13	
17	Larkspur Landing Cir	Sir Francis Drake Boulevard	Old Quarry Roads	2,257	25	50	97	2	1	87	0	13	
18	Larkspur Landing Cir	Sir Francis Drake Boulevard	South of Sir Francis Drake Boulevard	1,580	25	50	97	2	1	87	0	13	
19	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir West	4,135	35	50	97	2	1	87	0	13	
20	Sir Francis Drake Boulevard	NB On and Off Ramps	NB On and Off Ramps	6,425	35	50	97	2	1	87	0	13	
21	Larkspur Landing Cir	Sir Francis Drake Boulevard	Lincoln Village Circle	1,343	25	50	97	2	1	87	0	13	
	Larkspur Landing Cir	Sir Francis Drake Boulevard	South of Sir Francis Drake Boulevard	0	25	50		2	1	87	0		
23	Sir Francis Drake Boulevard	NB On and Off Ramps	Drakes Cove Road	4,259	35	50	97	2	1	87	0	13	
24	Sir Francis Drake Boulevard	NB On and Off Ramps	Larkspur Landing Cir West	4,135	35	50	97	2	1	87	0	13	

Traffic Noise Prediction Model, (FHWA RD-77-108)

Predicted Noise Levels



Project Name : SMART PM SUPPORT SERVICES

Project Number : 60191144

Modeling Condition : Cumulative Plus Project

Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Irwin Street	3rd Street	4th Street	61.8	56.5	61.1	65.1	24	51	110	236	509
2	Irwin Street	3rd Street	2nd Street	63.4	58.2	62.8	66.8	30	66	141	304	656
3	3rd Street	Irwin Street	Grand Avenue	62.0	56.8	61.4	65.4	25	53	115	247	532
4	3rd Street	Irwin Street	Hetherson Street	64.0	58.8	63.4	67.4	33	72	155	334	720
5	Irwin Street	2nd Street	3rd Street	63.4	58.2	62.8	66.8	30	66	141	304	656
6	Irwin Street	2nd Street	US 101 NB Off Ramp	62.9	57.6	62.2	66.2	28	60	130	279	602
7	2nd Street	Irwin Street	Grand Avenue	62.3	57.1	61.7	65.7	26	55	119	257	553
8	2nd Street	Irwin Street	Hetherson Street	62.9	57.7	62.3	66.2	28	61	130	281	606
9	SB Off Ramp	Sir Francis Drake Boulevard	SB Off Ramp	61.7	54.5	56.7	63.5	18	39	85	183	395
	SB On Ramp	Sir Francis Drake Boulevard	SB On Ramp									
11	Sir Francis Drake Boulevard	SB On and Off Ramps	Frasncisco Boulevard West	70.6	63.4	65.6	72.4	72	155	334	720	1551
12	Sir Francis Drake Boulevard	SB On and Off Ramps	NB On and Off Ramps	68.8	61.6	63.8	70.6	54	117	253	545	1174
13	NB On Ramp	Sir Francis Drake Boulevard	NB On Ramp	64.7	57.5	59.7	66.5	29	63	135	290	625
14	NB Off Ramp	Sir Francis Drake Boulevard	NB Off Ramp	65.8	58.6	60.8	67.6	34	74	159	344	740
15	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	70.6	63.4	65.6	72.4	72	155	334	720	1551
16	Sir Francis Drake Boulevard	NB On and Off Ra	SB On and Off Ra	69.5	62.4	64.5	71.3	61	132	284	612	1318
17	Larkspur Landing Cir	Sir Francis Drake	Old Quarry Roads	61.8	56.6	61.2	65.2	24	51	111	239	515
18	Larkspur Landing Cir	Sir Francis Drake	South of Sir Franc	60.3	55.0	59.7	63.6	19	41	87	188	406
19	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	68.7	61.5	63.7	70.5	54	116	249	537	1156
20	Sir Francis Drake Boulevard	NB On and Off Ra	NB On and Off Ra	70.6	63.4	65.6	72.4	72	155	334	720	1551
21	Larkspur Landing Cir	Sir Francis Drake	Lincoln Village Cir	59.6	54.3	59.0	62.9	17	36	78	169	364
	Larkspur Landing Cir	Sir Francis Drake	South of Sir Franc									
23	Sir Francis Drake Boulevard	NB On and Off Ra	Drakes Cove Roa	68.8	61.6	63.8	70.6	55	118	254	547	1179
24	Sir Francis Drake Boulevard	NB On and Off Ra	Larkspur Landing	68.7	61.5	63.7	70.5	54	116	249	537	1156

Source Type	Track Type	Profile	Reference Level At 50		Number of Trains		Projected Source Operating Parameters						Noise Exposure @ 50 Feet	
			SEL (dBA)	Lmax (dBA)	7am - 10pm	10pm - 7am	Number of cars	Speed	Vd	Vn	V	E (Seconds)	Ldn	
													Day	Night
fixed-guideway	Welded	At-grade	85	81	23	5	2	27	1.53	0.56	4		51.9	47.5
fixed-guideway	Welded	Elevated	85	81	23	5	2	27	1.53	0.56	4		52.9	48.5
At Grade Crossing (Horn)	Welded	At-grade	110	110	23	5	2	27	1.53	0.56	4		78.9	74.5
Stationary - Idling and Signal Crossing	Welded	At-grade	106	70	23	5	2	15	1.53	0.56	4	120	57.5	53.1
Total Noise Level @ 50 Feet Horn Only													81.9	
Total Noise Level @ 50 Feet without Horn													58.8	54.4
Total Noise Level @ 50 Feet with Horn													61.8	
Total Noise Level @ 50 Feet with Horn													79.0	74.6
Total Noise Level @ 50 Feet with Horn													82.0	

Vd the average hourly train volume during daytime hours (equals the total number of train passbys between 7 am and 10 pm, divided by 15)
Vn the average hourly train volume during nighttime hours (equals the total number of train passbys between 10 pm and 7 am, divided by 9)
V the hourly train volume for each hour of interest

Input data.

Source reference SELs for locomotives, rail cars, and warning horns.

Ncars the number of rail cars in the train.

Nlocos the number of locomotives in the train, if any.

S the train speed, in miles per hour.

T the average throttle setting of the train's locomotive(s), if it is diesel-electric. (Otherwise, this term is not applicable and should be omitted from the equation in Table 6-4.) If this input is not available, assume a throttle setting of 8.

For residential receivers of interest:

Vd the average hourly train volume during daytime hours (equals the total number of train passbys between 7 am and 10 pm, divided by 15), and

Vn the average hourly train volume during nighttime hours (equals the total number of train passbys between 10 pm and 7 am, divided by 9).

V For non-residential receivers: V, the hourly train volume for each hour of interest.

Track Type Track type (continuously welded or jointed) and profile (at-grade or elevated).

Calculate Leq at 50 ft for each hour of interest.

Compute LeqL(h) for the locomotive(s) using the first equation in Table 6-4.

Compute LeqC(h) for the rail car(s) using the second equation in Table 6-4. Use the adjustments indicated in the table, as needed.

Compute LeqH(h) for the train horn using the third equation in Table 6-4.

one without it. These will pertain to different neighborhoods along the corridor, depending upon whether the horn is sounded in that neighborhood or not.

Compute Ldn at 50 ft. If the project noise will affect any residential receivers, compute the total train Ldn from the fifth equation in Table 6-4. Again two totals may be necessary: one with the warning horn and one without it, as explained above.

Table 6-4. Computation of L_{eq} and L_{dn} at 50 feet: Fixed-Guideway Sources

LOCOMOTIVES[†]	
Hourly L_{eq} at 50 ft:	$L_{eqL}(h) = SEL_{ref} + 10 \log(N_{locom}) + C_T + K \log\left(\frac{S}{50}\right) + 10 \log(V) - 35.6$ <p>where $C_T = \begin{cases} 0 & \text{for } T < 6 \\ 2(T-5) & \text{for } T \geq 6 \end{cases}$</p> <p>and $K = -10$ for passenger diesel; $= 0$ for DMU; $= +10$ for electric</p>
AIL VEHICLES^{††}	
Hourly L_{eq} at 50 ft:	$L_{eqC}(h) = SEL_{ref} + 10 \log(N_{cars}) + 20 \log\left(\frac{S}{50}\right) + 10 \log(V) - 35.6$ <p>use the following adjustments as applicable:</p> <p>+ 5 → JOINTED TRACK + 3 → EMBEDDED TRACK ON GRADE + 4 → AERIAL STRUCTURE WITH SLAB TRACK</p>
LOCOMOTIVE WARNING HORNS^{†††}	
Hourly L_{eq} at 50 ft:	$L_{eqH}(h) = SEL_{ref} + 10 \log(V) - 35.6$
TRANSIT WARNING HORNS^{†††}	
Hourly L_{eq} at 50 ft:	$L_{eqH}(h) = SEL_{ref} - 10 \log\left(\frac{S}{50}\right) + 10 \log(V) - 35.6$
COMBINED	
Hourly L_{eq} at 50 ft:	$L_{eq}(h) = 10 \log \left[10^{\left(\frac{L_{eqL}(h)}{10}\right)} + 10^{\left(\frac{L_{eqC}(h)}{10}\right)} + 10^{\left(\frac{L_{eqH}(h)}{10}\right)} \right]$
Daytime L_{eq} at 50 ft:	$L_{eq}(day) = L_{eq}(h) \Big _{v=V_d}$
Nighttime L_{eq} at 50 ft:	$L_{eq}(night) = L_{eq}(h) \Big _{v=V_n}$
L_{dn} at 50 ft:	$L_{dn} = 10 \log \left[(15) \cdot 10^{\left(\frac{L_{eq}(day)}{10}\right)} + (9) \cdot 10^{\left(\frac{L_{eq}(night)+10}{10}\right)} \right] - 13.8$
N_{locom} = average number of locomotives per train N_{cars} = average number of cars per train T = average throttle setting of diesel-powered locomotives and DMU's S = train speed, in miles per hour V = average hourly volume of train traffic, in trains per hour V_d = average hourly daytime volume of traffic, in trains per hour = $\frac{\text{number of trains, 7 am to 10 pm}}{15}$ V_n = average hourly nighttime volume of train traffic, in trains per hour = $\frac{\text{number of trains, 10 pm to 7 am}}{9}$	
[†] Assumes a passenger diesel locomotive power rating of approximately 3000 hp ^{††} Includes all commuter rail cars, transit cars, AGT and monorail ^{†††} Based on FRA's horn noise model (www.fra.dot.gov/downloads/RRDev/hornmodel.xls)	

APPENDIX F

Transportation and Traffic

Sonoma–Marin Area Rail Transit San Rafael – Larkspur Segment Transportation Impact Study

Draft Report

Prepared for Sonoma–Marin Area Rail Transit



Sonoma–Marin Area Rail Transit San Rafael – Larkspur Segment
Transportation Impact Study

Draft Report

Prepared for Sonoma–Marin Area Rail Transit

June 26, 2014

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Appendices

- A: Sonoma-Marin Area Rail Transit Project Draft Environmental Impact Report Station Summaries
- B: City of San Rafael Andersen Drive Report on Analysis of Alternatives to Accommodate Rail Service
- C: Intersection Level of Service Calculations
- D: Travel Demand Calculations

1.0 Introduction

The purpose of this analysis is to assess the potential transportation impacts associated with the Proposed Action—extension of the Sonoma–Marin Area Rail Transit (SMART) rail line from the current Initial Operating Segment (IOS) terminus in the City of San Rafael, to the ultimate SMART terminus in the City of Larkspur (hereafter referred to as “the Project”). The IOS, which will run approximately 38.5 miles from Santa Rosa to San Rafael, began construction in 2012 and is expected to be operational in 2016. The Project would extend passenger rail service southward from the IOS terminus in Downtown San Rafael to Larkspur.

As with the larger SMART project, the Project would utilize the existing Northwestern Pacific (NWP) rail corridor, which has been acquired by SMART. The NWP historically provided freight and limited passenger rail service from Marin County to points north. The stretch of the NWP corridor proposed for use under the Project is still in place but has been non-operational for several decades. The right-of-way (ROW) remains intact and would thus require only limited improvements to be converted from its current condition as an abandoned freight railway to use as a passenger railway.

The intent of this analysis is to support the effort by SMART to seek National Environmental Policy Act (NEPA) compliance and apply for federal funds under the Federal Transit Administration (FTA) New Starts / Small Starts program to construct the Project. This analysis addresses the following transportation topics:

- Traffic conditions;
- Transit conditions;
- Bicycle conditions;
- Pedestrian conditions;
- Parking conditions; and,
- Construction conditions.

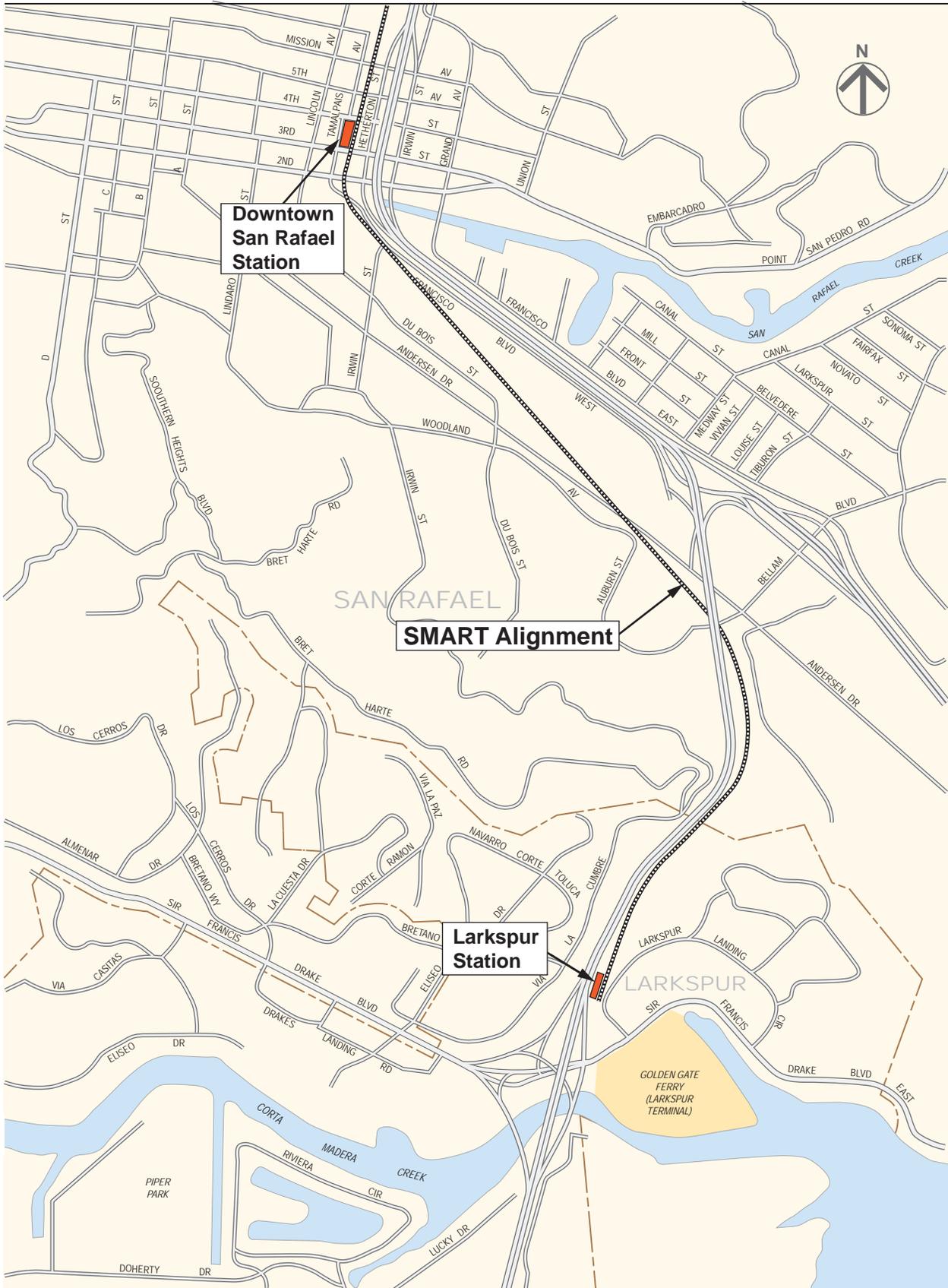
1.1 Project Description

The Project would construct approximately two miles of passenger service railway from the SMART Downtown San Rafael Station to the proposed Larkspur Station. The proposed SMART extension begins at Third Street in San Rafael, immediately south of the Downtown San Rafael Station and adjacent to the existing Bettini Transit Center. The Downtown San Rafael station is located on the block bounded by Third Street and Fourth Street to the north and south, and Tamalpais Avenue and Hetherton Street to the east and west. The alignment then travels southward toward its southern terminus at the proposed Larkspur Station—located just north of Sir Francis Drake Boulevard, along the east edge of United States Highway (US) 101 and the northern edge of the Larkspur Landing shopping center, approximately 1,900 feet north of the Larkspur Ferry Terminal. The Project site, including the relevant segment of the NWP corridor and the two proposed stations, is illustrated in **Figure 1**.

1.1.1 Relevant Documents

This particular segment, as well as the entire SMART corridor from Cloverdale to Larkspur, was previously analyzed and cleared under the California Environmental Quality Act (CEQA) through the following documents:

- *Sonoma-Marin Area Rail Transit Project Draft Environmental Impact Report* (November 2005), hereafter referred to as the “*DEIR*”;
- *Sonoma-Marin Area Rail Transit Project Final Environmental Impact Report* (June 2006), hereafter referred to as the “*FEIR*”;
- *Sonoma-Marin Area Rail Transit Project Draft Supplemental Environmental Impact Report* (March 2008), hereafter referred to as the “*DSEIR*”; and,



Project Vicinity.ai

Figure 1
Project Location

- *Sonoma–Marin Area Rail Transit Project Final Supplemental Environmental Impact Report* (July 2008), hereafter referred to as the “FSEIR”.

In addition to these environmental review documents, planning documents have also been prepared for the areas surrounding the Downtown San Rafael Station, and the proposed Larkspur Station:

- *San Rafael Downtown Station Area Plan* (Approved Final Draft) (June 4, 2012), hereafter referred to as the “*Downtown San Rafael Station Area Plan*”); and,
- *Larkspur SMART Station Area Plan* (Public Review Draft) (March 2014), hereafter referred to as the “*Larkspur Station Area Plan*”.

The environmental consequences of the *Larkspur Station Area Plan* have been analyzed under the *City of Larkspur SMART Station Area Plan Environmental Impact Report* (Public Review Draft) (February 2014), hereafter referred to as the “*Larkspur Station Area Plan EIR*”, and the results of this analysis have been used to inform this study.

The proposed stations and other elements of the Project, as defined in the *Sonoma–Marin Area Rail Transit District Passenger Rail & Pathway Project Description* (May 19, 2010)—hereafter referred to as the “*2010 Project Description*”—and the Project description provided in the *DEIR*, are described in the following subsections.

1.1.2 Stations

The extension of the SMART rail line from the IOS terminus at the Downtown San Rafael Station (Mile Post [MP] 17.0), will involve the construction of a new SMART station at the future Larkspur (MP 14.8) terminus. The two stations are described in more detail below, and station summaries from the *DEIR* are included in **Appendix A**.

This study assumes that the Project only comprises the extended rail line and train service between the Downtown San Rafael Station and the proposed Larkspur Station, including connecting shuttle services. Access improvements for vehicular, transit, bicycle, and pedestrian circulation are to be implemented by local governments (City of San Rafael and City of Larkspur) and are, therefore, not considered part of the Project. Where relevant, however, these improvements are discussed in this report for reference. Likewise, new bicycle and automobile parking is generally not considered part of the Project unless specifically noted otherwise.

Downtown San Rafael

The Downtown San Rafael Station will be located at the economic center of the City of San Rafael. Downtown San Rafael connects neighborhoods to the north, south, east, and west, and includes a mix of uses that provide shopping, services, civic uses, and connections to regional transit and transportation networks. The proposed station site is located immediately north of the existing Bettini Transit Center—a major transfer point for bus services in Marin County—and has access to US 101, with ramps at Second Street and Mission Avenue just east of the site. The plan area, as defined in the *Downtown San Rafael Station Area Plan*, consists of twelve city blocks that surround the future SMART station, as well as the edges of the adjacent blocks across Mission Avenue to the north, Irwin Street to the east, Mahon Creek / San Rafael Canal to the south, and Lincoln Avenue to the west. The western portion of this block (the former old NWP historic station) currently houses the administrative center for Whistlestop Wheels and the primary dining venue and central kitchen for the Whistlestop Meals on Wheels and senior services center (hereafter referred to as “The Whistlestop”).

There are currently two station design options under consideration as described in the *2010 Project Description*:

- Option 1 includes two double-track rail platforms contained within the existing corridor ROW. Existing diagonal parking immediately east of the platforms and contained within the railroad ROW would be removed and a new automobile drop-off zone and two bus bays, replacing the two existing bus bays at the Bettini Transit Center, would be added on the east side of the street. A 600-square-foot bike storage area would also be located along this segment. The Citibank building would be retained in this alternative, along with its parking and drive-through area.

Tamalpais Avenue north of Fourth Street would be reconfigured into a one-way couplet in order to accommodate new bike lanes and retain as much existing on-street parking as possible. Access to The Whistlestop would be reconfigured to allow shuttle bus drop-off at a new entry at the north end of the building. The Whistlestop loading and bus queuing area would be located along the western segment of Tamalpais Avenue. Some of the parking along this portion of Tamalpais Avenue could be designated for use by The Whistlestop in order to replace parking currently on SMART's ROW, but would require special approval by the City of San Rafael. Pedestrian crossings along Third Street would be relocated to improved pedestrian crossings at Hetherton Street and Tamalpais Avenue, and there would be no at-grade mid-block crossings between the station and the Bettini Transit Center.

- Option 2 would expand the station site in order to more easily accommodate station facilities and provide better access between rail and existing bus transit service. In particular, expanding the site to include the existing Citibank property would allow for the reconfiguration of access from Third Street, and offer a replacement of the displaced transit bays at the Bettini Transit Center. A new transit center between Third Street and Fourth Street would include space for approximately five buses, in addition to shuttles. A small building to accommodate a bike station is proposed along Third Street. These buildings and the entries to a new pedestrian passage under Third Street would be designed to improve the pedestrian environment and form a gateway to Downtown San Rafael. A new right-turn lane would be included on Hetherton Street to improve traffic flow at the Hetherton Street / Third Street intersection. The reconfiguration of Tamalpais Avenue north of Fourth Street would be similar to Option 1, as would access to The Whistlestop.

The proposed bicycle–pedestrian pathway would follow Tamalpais Avenue adjacent to the station site. Pedestrian access to the proposed station site would be provided along Third and Fourth Streets, from both the east and west of the station. A pedestrian undercrossing of Third Street would be included to allow pedestrians to travel safely from the Bettini Transit Center to the SMART station. In addition, pedestrians would be able to access the station from the Bettini Transit Center at the existing Tamalpais Avenue crosswalk across Third Street.

No park-and-ride spaces are planned for this station.

Larkspur

The proposed Larkspur Station would be located within the NWP ROW paralleling US 101 to the east, at the northern edge of the Larkspur Landing shopping center (adjacent to Cinemark Larkspur Landing and the Marin Airporter station) and approximately 1,900 feet from the Larkspur Ferry Terminal. The station would be a double-track, two-platform station, located up to eight feet above the existing grade of the surrounding area.

As envisioned in the *2010 Project Description*, passengers would access the station using new stairways and ramps compliant with the Americans with Disabilities Act (ADA) connecting into Larkspur Landing. The SMART pathway (partially already completed in this area as the Cal Park Hill Multi-Use Pathway) would terminate at this station, but passengers connecting with ferry services at the Larkspur Ferry Terminal would make use of new bicycle and pedestrian access routes to be constructed by the County of Marin, taking them to an improved crosswalk across Larkspur Landing Circle. Passengers would then continue through the commercial zone of Larkspur Landing to access the existing pedestrian bridge across Sir Francis Drake Boulevard.

Since 2010, however, refinements were made to the design of the new bicycle and pedestrian routes, now described as the Central Marin Ferry Connection Multi-Use Pathway. The new route would extend the already-completed Cal Park Hill Multi-Use Pathway to the south, paralleling the NWP alignment just east.

A new bridge is to be built over Sir Francis Drake Boulevard near the US 101 interchange, with ramps touching down and connecting to the existing pathway on the south side of Sir Francis Drake Boulevard. Construction of the Central Marin Ferry Connection Multi-Use Pathway began in April 2014 and is scheduled to be completed within one year.

A pick-up and drop-off area for connecting shuttles and private vehicles would be provided, either along Larkspur Landing Circle or in another convenient location.

1.1.3 Connecting Shuttle Services

SMART plans to contract out shuttle services at both Downtown San Rafael Station and the proposed Larkspur Station to provide a “last leg” connection for rail passengers. Shuttles would be scheduled to minimize transfer times with trains in the southbound direction during the weekday AM peak period and in the northbound direction during the weekday PM peak period. To maximize efficiency, shuttles are expected to complete a one-way loop in less than 30 minutes (or the headway to the next train service).

Two shuttle routes would be provided out of the Downtown San Rafael Station, serving Downtown San Rafael and the commercial strips along Francisco Boulevard East and Francisco Boulevard West. One shuttle route would be provided out of the proposed Larkspur Station, and would serve four major activity centers – the Larkspur Landing shopping center, San Quentin Prison / Marin County Mart and nearby offices, Marin General Hospital, and the College of Marin.

1.1.4 Grade Crossings

There are several existing grade crossings located on the segment of the SMART line between Downtown San Rafael and Larkspur:

- Third Street (existing bells and flashing lights);
- Second Street (existing bells and flashing lights);
- West Francisco Boulevard (existing bells, flashing lights, and crossing arms);
- Irwin Street (existing bells, flashing lights, and crossing arms);
- Rice Drive (crossbucks in eastbound direction only); and,
- Andersen Drive (no warning devices).

Andersen Drive

At Andersen Drive (MP 16.0), improvements to the at-grade crossing are required to increase overall grade crossing safety. The existing grade crossing is on a sharp skew and was approved by the California Public Utilities Commission (CPUC) on the condition that no trains would use the crossing. When SMART rail service is initiated, the City of San Rafael, in cooperation with the County of Marin, would be required to ensure unimpeded use of the crossing by SMART trains (*Final Order of the CPUC for Andersen Drive Grade Crossing*, July 16, 1997). Approval from the CPUC would be required for the modification of this at-grade crossing. SMART would work with the City of San Rafael and the County of Marin to finalize designs for this crossing.

In preparation for SMART’s commuter rail service, and in response to the CPUC’s 1998 ruling, the City of San Rafael identified and studied six alternatives to accommodate rail service through Andersen Drive:

- Alternative 1 (Grade Separation) involves the construction of a grade separated structure to carry rail traffic over Andersen Drive.
- Alternative 2 (At-grade Crossing with Chicane) involves the construction of an at-grade crossing combined with a significant realignment of Andersen Drive. The realignment would improve the geometry of the crossing by bringing the roadway across the track at a 45-degree angle.
- Alternative 3 (Closure) involves the closure of Andersen Drive via the construction of a cul-de-sac north of the track and the construction of a permanent barrier south of the track at the intersection of Francisco Boulevard West and Andersen Drive.
- Alternative 4 (One-Way Southbound Bypass via Woodland Avenue) involves the closure of Andersen Drive north and south of the track and rerouting of vehicular, bicycle, and pedestrian traffic via construction of a one-way southbound bypass to the existing Woodland Avenue.

- Alternative 5 (Two-Way Bypass via Woodland Avenue) involves the closure of Andersen Drive north and south of the track and rerouting of vehicular, bicycle, and pedestrian traffic via construction of a two-way bypass to the existing Woodland Avenue.
- Alternative 6 (At-Grade Crossing with Additional Storage Capacity) involves the construction of an at-grade crossing of Andersen Drive with the existing roadway and track geometry and increased storage capacity for vehicles at the Andersen Drive / Francisco Boulevard West intersection.

The City of San Rafael performed an analysis to determine the relative cost, feasibility, and traffic impacts associated with each alternative. This analysis is summarized in *City of San Rafael Andersen Drive Report on Analysis of Alternatives to Accommodate Rail Service* (2014), and included as **Appendix B**. The City of San Rafael determined that Alternative 6 (At-Grade Crossing with Additional Storage Capacity), hereafter referred to as the “Recommended Alternative”, would have minimal impact to traffic operations and would fit within the City of San Rafael’s existing budget as well as within the existing timeline for planned operation of the SMART rail system.

The Recommended Alternative for the Andersen Drive crossing will retain the existing 11-degree roadway and track geometry, and restrict train speeds to 15 miles per hour through the crossing, which will be enforced by the railroad's Positive Train Control (PTC) system. Active grade crossing warning devices will be installed as part of this alternative and include cantilevered flashing lights and automatic gates at both the northbound and southbound approaches to the crossing. Pedestrian and bicycle traffic will be separated from rail and vehicular traffic and channelized to at-grade crossings located north and south of the vehicular crossing. The pedestrian / bicycle crossings will be oriented 90 degrees to the track alignment and will be equipped with flashing lights, automatic gates, and emergency egress swing gates.

In order to provide additional roadway capacity downstream of the crossing, Francisco Boulevard West will be restriped from one to two lanes between Andersen Drive and US 101 southbound ramps. In addition, southbound Andersen Drive will be widened and striped to provide two lanes between Bellam Boulevard and Francisco Boulevard West. These additional lanes will provide emergency storage to assure vehicles can proceed forward and clear the railroad crossing and adjacent intersection.

1.1.5 Vehicular Access

As previously discussed in this chapter, the Project, as analyzed in this study, does not include any vehicular access elements. However, various vehicular access improvements have been proposed in the *Downtown San Rafael Station Area Plan* and the *Larkspur Station Area Plan*. As these improvements are not intrinsically part of the Project as analyzed in this study, they are qualitatively discussed in subsequent sections of this analysis.

1.1.6 Bicycle Parking and Amenities

As previously discussed in this chapter, the Project, as analyzed in this study, generally does not include elements related to bicycle parking and amenities. However, SMART has proposed the provision of six bicycle racks and eight bicycle lockers at both the Downtown San Rafael Station and the proposed Larkspur Station. As these particular improvements have been explicitly proposed by SMART, they are considered part of the Project and qualitatively evaluated as part of this study. Other improvements related to bicycle parking and amenities, such as the creation of a southbound Class 2 bicycle facility proposed in the *Downtown San Rafael Station Area Plan* and the creation of a Class 1 bicycle facility along Sir Francis Drake Boulevard proposed in the *Larkspur Station Area Plan*, are not intrinsically part of the Project.

1.1.7 Pedestrian Access

As previously discussed in this chapter, the Project, as analyzed in this study, does not include any pedestrian access elements. However, various pedestrian access improvements have been proposed in the *Downtown San Rafael Station Area Plan* and the *Larkspur Station Area Plan*. As these improvements are not intrinsically part of the Project as analyzed in this study, they are qualitatively discussed in subsequent sections of this analysis.

1.1.8 Automobile Parking

As previously discussed in this chapter, the Project, as analyzed in this study, generally does not include elements related to automobile parking, and SMART is not proposing any new improved automobile parking at the Downtown San Rafael Station. However, as described in the *Larkspur Station Area Plan EIR*, SMART would provide a surface parking lot at the proposed Larkspur Station containing approximately 77 spaces (including ADA-compliant spaces). Use of these spaces would be limited to SMART passengers; Larkspur Ferry riders would not be permitted to use the spaces. As this parking lot has been explicitly proposed by SMART, it is considered part of the Project and is analyzed as such in this study.

1.2 Study Scope and Approach

The following scenarios were evaluated to identify the potential transportation impacts of the Project:

- Existing Conditions;
- 2040 Baseline Conditions; and,
- 2040 Baseline plus Project Conditions.

1.2.1 Traffic Evaluation

Traffic operations were analyzed at 12 signalized study intersections—eight in the City of San Rafael and four in the City of Larkspur—which represent locations where the Project could potentially impact operations. Consistent with standard industry practice, all twelve study intersections were analyzed for the weekday AM and PM peak hours, defined as the peak one-hour period (four consecutive 15-minute intervals) of the weekday AM and PM peak periods (7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM, respectively).

The following twelve study intersections were selected for analysis, and are illustrated in **Figure 2**:

- City of San Rafael:
 1. Lincoln Avenue / Third Street;
 2. Lincoln Avenue / Second Street;
 3. Tamalpais Avenue / Third Street;
 4. Tamalpais Avenue / Second Street / Francisco Boulevard West;
 5. Hetherton Street / Third Street;
 6. Hetherton Street / Second Street / US 101 Southbound On-Ramp;
 7. Irwin Street / Third Street; and,
 8. Irwin Street / Second Street / US 101 Northbound Off-Ramp;
- City of Larkspur:
 9. Sir Francis Drake Boulevard / US 101 Southbound Ramps;
 10. Sir Francis Drake Boulevard / US 101 Northbound Ramps;
 11. Sir Francis Drake Boulevard / Larkspur Landing Circle (West) / Ferry Terminal Access; and,
 12. Sir Francis Drake Boulevard / Larkspur Landing Circle (East).

The intersection analysis was conducted using the Synchro 8.0 software package and the 2000 *Highway Capacity Manual* (HCM) methodology, which is based on Level of Service (LOS). The LOS methodology is a qualitative description of the performance of an intersection based on average delay per vehicle. For signalized intersections, the HCM methodology determines the capacity of each lane group approaching the intersection.



Study Intersections.ai

Figure 2
Intersection Analysis Locations

The LOS is then based on average delay (in seconds per vehicle) for the various movements within the intersection. A combined weighted average delay and LOS are then presented for the intersection. Intersection Level of Service ranges from LOS A, which indicates free flow or excellent conditions with short delays, to LOS F, which indicates congested or overloaded conditions with extremely long delays. Consistent with previously approved studies of the Project (the *FEIR*), LOS A through LOS D are considered excellent to satisfactory levels of service, and LOS E and LOS F represent unacceptable levels of service. The LOS criteria for intersections are summarized in **Table 1**.

Table 1: Level of Service Criteria for Intersections

LOS	Control Delay per Vehicle (seconds)	Description
A	≤ 10.0	No delay
B	> 10.0 and ≤ 20.0	Minor delay
C	> 20.0 and ≤ 35.0	Moderate delays
D	> 35.0 and ≤ 55.0	Unacceptable delays
E	> 55.0 and ≤ 80.0	High delays
F	> 80.0	Very high delays

Source: Transportation Research Board, Special Report 209, *Highway Capacity Manual*, 2000.

This study also includes an analysis of traffic conditions for the local access roadways serving the two stations. Local general plans include LOS standards for roadway segments within the Project corridor. The LOS criteria for these local roadway segments are based on the volume-to-capacity ratio, a calculation of the actual traffic carried by the roadway compared to its theoretical capacity. Roadway segment LOS ranges from LOS A, which indicates a roadway segment operating well below capacity, to LOS F, which represents a roadway segment operating above capacity. **Table 2** provides a summary of the local roadway segment LOS criteria used in this study.

A regional access roadway analysis was conducted for the segment of US 101 between North San Pedro Road in San Rafael and Sir Francis Drake Boulevard in Larkspur. US 101 is the only continuous north-south regional access roadway that serves Marin County within the vicinity of the Project. Similar to the local access roadway analysis, the regional access roadway LOS criteria are based on the volume-to-capacity ratio of the roadway segment. These LOS criteria are summarized in **Table 3**, and are consistent with the accepted California Department of Transportation (Caltrans) standards as presented in the *Guide for the Preparation of Traffic Impact Studies* (December 2002).

1.2.2 Transit Evaluation

The analysis of impacts to transit operations focuses primarily on the effect of the Project on ridership for transit services in the City of San Rafael and the City of Larkspur. Existing transit ridership and capacity were assessed for the Larkspur – San Francisco ferry service and the following Golden Gate Transit bus routes that may potentially be affected by the Project:

- Route 27: San Francisco – San Rafael – San Anselmo;
- Route 29: Manor – San Anselmo – College of Marin – Marin General Hospital – Larkspur Landing – San Rafael;
- Route 44: San Francisco – San Rafael – Lucas Valley – Marinwood;
- Route 70: San Francisco – Marin City – San Rafael – Novato; and,
- Route 80: San Francisco – Marin City – San Rafael – Novato – Petaluma – Cotati – Rohnert Park – Santa Rosa.

Impacts to ridership and capacity on existing transit services as a result of the Project were quantified.

Table 2: Level of Service Criteria for Local Roadway Segments

LOS	v/c Range	Description
A	≥ 0.00 and ≤ 0.60	Low volumes: primarily free-flow operations. Vehicle density is very low and drivers can freely maneuver within the traffic stream. Drivers can maintain their desired speeds with little or no delay.
B	> 0.60 and ≤ 0.70	Stable flow with potential for some restriction of operating speeds due to traffic conditions. Maneuvering is only slightly restricted and travel delays are very small with vehicle density remaining low.
C	> 0.70 and ≤ 0.80	Stable operations; however, the ability to maneuver is more restricted by the increase in traffic volumes. Relatively satisfactory operating speeds prevail, but adverse roadway conditions or demand increases result in some travel delay.
D	> 0.80 and ≤ 0.90	Approaching unstable traffic flow, where small increases in volume could cause noticeable travel delays. Most drivers are restricted in their ability to maneuver and in their selection of travel speeds. Comfort and convenience are low but tolerable.
E	> 0.90 and < 1.00	These high delay values generally indicate poor progression, long cycle lengths, and high v/c ratios. Individual cycle failures are frequent occurrences.
F	Varies (≥ 1.00)	This level, considered to be unacceptable to most drivers, often occurs with over saturation—that is, when arrival flow rates exceed the capacity of the intersection. It may also occur at high v/c ratios below 1.0 with many individual cycle failures. Poor progression and long cycle lengths may also be major contributing causes to such delay levels.

Source: Transportation Research Board, Special Report 209; *Highway Capacity Manual*, 2000.

Notes:

Volume-to-capacity ratio represents the average traffic volume divided by the theoretical roadway capacity.

Table 3: Level of Service Criteria for Regional Roadway Segments

LOS ⁽¹⁾	v/c Range	Description
A	≥ 0.00 and ≤ 0.30	Free flow operations with average operating speeds at, or above, the speed limit. Vehicles are unimpeded in their ability to maneuver.
B	> 0.30 and ≤ 0.50	Free flow operations with average operating speeds at the speed limit. Ability to maneuver is slightly restricted. Minor incidents cause some local deterioration in operations.
C	> 0.50 and ≤ 0.71	Stable operations with average operating speeds near the speed limit. Freedom to maneuver is noticeably restricted. Minor incidents cause substantial local deterioration in service.
D	> 0.71 and ≤ 0.89	Speeds begin to decline slightly with increasing flows. Freedom to maneuver is more noticeably restricted. Minor incidents create queuing
E	> 0.89 and < 1.00	Operations at capacity. Vehicle spacing causes little room to maneuver. Any disruption to the traffic stream can cause a wave of delay that propagates throughout the upstream traffic flow. Minor incidents cause serious breakdown of service with extensive queuing. Maneuverability is extremely limited.
F	Varies (≥ 1.00)	Operations with breakdowns in vehicle flow. Volumes exceed capacity, causing bottlenecks and queue formation.

Source: Caltrans, 2002; *Highway Capacity Manual*, 2000; *Larkspur Station Area Plan EIR*.

Notes:

⁽¹⁾ Maximum volume-to-capacity ratios are based on freeway capacity assuming a 65 mph free flow speed.

1.2.3 Bicycle Evaluation

Impacts to bicycle conditions as a result of the Project were qualitatively assessed. As bicycle conditions in the vicinity of the two station sites have already been evaluated as part of the *Downtown San Rafael Station Area Plan* and the *Larkspur Station Area Plan*, the results and recommendations of those documents are included in this report.

1.2.4 Pedestrian Evaluation

Impacts to pedestrian conditions as a result of the Project were qualitatively assessed. As pedestrian conditions in the vicinity of the two station sites have already been evaluated as part of the *Downtown San Rafael Station Area Plan* and the *Larkspur Station Area Plan*, the results and recommendations of those documents are included in this report.

1.2.5 Parking Evaluation

Existing average weekday on- and off-street parking conditions, including off-street parking supply and occupancy where data is available, have already been evaluated as part of the *Downtown San Rafael Station Area Plan* and the *Larkspur Station Area Plan* for the two station sites, and the results and recommendations of those documents are included in this report. The Project does not propose any additional parking at the Downtown San Rafael Station. The Project's proposed supply of parking at the proposed Larkspur Station was evaluated against parking demand generated by the Project to determine and address any potential vehicular parking impacts the Project may have.

2.0 Existing Conditions

This chapter provides a description of the existing transportation conditions within the vicinity of the Downtown San Rafael Station and the proposed Larkspur Station. Transportation conditions were analyzed for both the weekday AM and PM peak hours. Included in this chapter are descriptions of the existing traffic, transit, bicycle, and pedestrian networks and documentation of existing traffic, transit, pedestrian, bicycle, and parking conditions.

2.1 Roadway Network

The cities of San Rafael and Larkspur are centrally located in Marin County, and both cities identify a multi-tiered roadway network that provides access to both the regional and local transportation network. The major roadways in the vicinity of the two station sites are summarized below.

Regional Access Roadways

US 101 runs roughly parallel to the proposed segment of the SMART line between Downtown San Rafael and Larkspur and serves as a major regional connector for Marin County and the North Bay. The nearest interchange to the proposed station site is the Central San Rafael Interchange (Exit 452), a full-access, modified diamond interchange with south ramps touching down at Hetherton Street / Second Street (southbound on-ramp) and Irwin Street / Second Street (northbound off-ramp) and north ramps touching down at Hetherton Street / Mission Avenue (southbound off-ramp) and Irwin Street / Mission Avenue (northbound on-ramp). Regional access to and from the Project site and the East Bay is provided by Interstate 580 (I-580), which has a junction with US 101 in southeastern San Rafael.

US 101 and I-580 serve as the primary regional access roadways for Larkspur. The nearest US 101 interchange is located at Sir Francis Drake Boulevard (Exits 450A and 450B), a full-access, modified diamond interchange in close proximity to the site of the proposed Larkspur Station. The nearest I-580 interchange is located at Francisco Boulevard East (Exit 2B), a full-access, modified diamond interchange at San Quentin Point east of Larkspur, with additional flyovers from westbound I-580 (Exit 2A) to westbound Sir Francis Drake Boulevard and from eastbound Sir Francis Drake Boulevard to eastbound I-580.

Local Access Roadways: Downtown San Rafael

Local roadways serving the Downtown San Rafael Station are described in more detail below.

Second Street

Second Street is a major eastbound arterial in Downtown San Rafael. In the immediate vicinity of the station site, Second Street generally consists of four to five travel lanes with no on-street parking provided. East of Downtown San Rafael, Second Street merges into Third Street, becoming a two-way arterial continuing east as Point San Pedro Road to McNears Beach and China Camp.

Third Street

Third Street is a major westbound arterial that operates as a one-way couplet with Second Street. West of Downtown San Rafael near Miramar Avenue, Second Street and Third Street combine as a single two-way arterial, later merging with Fourth Street and continuing west as Red Hill Avenue to San Anselmo before merging with Sir Francis Drake Boulevard and continuing to West Marin County. In the immediate vicinity of the proposed station site, Third Street generally consists of three travel lanes with no on-street parking provided.

Lincoln Avenue

Lincoln Avenue is a two-way, north-south collector and the major north-south local access through Downtown San Rafael. In the immediate vicinity of the proposed station site, Lincoln Avenue is a two-lane road (one travel lane in each direction) with metered on-street parking on both sides. On-street parking is prohibited during the PM peak period (4:00 PM to 6:00 PM) to provide an additional travel lane, and is time-restricted (two-hour parking) between 8:00 AM and 4:00 PM. There are no parking restrictions in effect at other times of the day.

North of Downtown San Rafael, Lincoln Avenue continues north to Santa Venetia and Lucas Valley / Marinwood as Los Ranchitos Road and Las Gallinas Avenue. South of Downtown San Rafael, Lincoln Avenue becomes Du Bois Street, continuing into the Bret Harte neighborhood of San Rafael.

Tamalpais Avenue

Tamalpais Avenue is a minor north-south collector within Downtown San Rafael, consisting of several discontinuous segments. On the east side of the ROW, Tamalpais Avenue (East) stretches from Third Street in the south to Mission Avenue in the north, and consists of a one-way northbound roadway with one travel lane. Between Third Street and Fourth Street, diagonal parking (exclusively for the use of The Whistlestop) is provided on the west side of the road adjacent to the tracks. Metered parallel parking is provided on the east side of the road between Third Street and Fourth Street and on both sides of the road between Fourth Street and Mission Avenue.

On the west side of the ROW, Tamalpais Avenue (West) consists of three discontinuous segments:

- Between Second Street and Fourth Street, Tamalpais Avenue (West) generally consists of one travel lane in each direction. Metered on-street parking is provided on both sides of the road, with the exception of the east side of the road between Second Street and Third Street, where on-street parking is prohibited to provide passenger loading zones (two 40-foot bays with a three-minute time limit) and 40-foot left-turn pockets at the intersections. South of Second Street, Tamalpais Avenue continues south as Francisco Boulevard West into southeastern San Rafael.
- Between Fourth Street and Mission Avenue, Tamalpais Avenue (West) consists of one travel lane in each direction, with metered on-street parking on both sides of the road.
- North of Mission Avenue, Tamalpais Avenue (West) is a one-way southbound alley, providing local access to Mission Avenue from Laurel Place. No official on-street parking is provided, although there are two “de facto” on-street spaces encroaching on the NWP ROW, located approximately midblock.

Hetherton Street

Hetherton Street is a minor southbound collector within Downtown San Rafael. In the immediate vicinity of the proposed station site, Hetherton Street operates as a one-way couplet with Irwin Street. South of Fourth Street, Hetherton Street consists of four travel lanes with no on-street parking; north of Fourth Street, Hetherton Street consists of three travel lanes with metered on-street parking on the west side of the road.

Irwin Street

Irwin Street is a minor northbound collector within Downtown San Rafael that operates as a one-way couplet with Hetherton Street between US 101 southbound on-ramp and northbound off-ramp at Second Street and US 101 southbound off-ramp and northbound on-ramp at Mission Avenue. Between Second Street and Third Street Irwin Street consists of four travel lanes, narrowing to three travel lanes between Third Street and Fourth Street; no on-street parking is provided on either of these segments. Irwin Street narrows to two travel lanes between Fourth Street and Mission Avenue, with on-street parking on both sides of the road. Parking is prohibited along the east side of Irwin Street during the PM peak period (4:00 PM to 6:00 PM) to provide an additional travel lane. On-street parking on this stretch is time-limited (two-hour parking) between 9:00 AM and 4:00 PM on the east side and between 9:00 AM and 6:00 PM on the west side; no other parking restrictions are in effect. North of Mission Avenue, Irwin Street forks off from US 101 northbound off-ramp and continues north to Belle Avenue, where it becomes Rafael Drive and continues to the Dominican University of California.

Local Access Roadways: Larkspur

Local roadways serving the proposed Larkspur Station are described in more detail below.

Sir Francis Drake Boulevard

Sir Francis Drake Boulevard is major east-west arterial providing secondary regional and primary local access through Larkspur. In the immediate vicinity of the Larkspur Ferry Terminal and Larkspur Landing mixed-use development, Sir

Francis Drake Boulevard generally consists of two travel lanes in each direction separated by a median, widening to three travel lanes in each direction at the US 101 interchange, with additional left- and right-turn pockets provided at many intersections. On-street parking is provided along the north side of the road from Larkspur Landing Circle (West) to approximately 500 feet east of Larkspur Landing Circle (East). East of Larkspur, Sir Francis Drake Boulevard continues east to Andersen Drive, with flyovers connecting to the Richmond–San Rafael Bridge. West of the US 101 interchange, Sir Francis Drake Boulevard continues west to Greenbrae, Kentfield, Ross, San Anselmo, and points beyond in West Marin.

Larkspur Landing Circle

Larkspur Landing Circle is a minor collector road serving the Larkspur Landing development opposite Sir Francis Drake Boulevard from the Larkspur Ferry Terminal, connecting with Sir Francis Drake Boulevard at two points approximately 1,500 feet apart. Larkspur Landing Circle generally provides one to two travel lanes in each direction, with additional left-turn pockets to access adjacent surface parking lots. No on-street parking is provided along Larkspur Landing Circle, and all intersections are stop-controlled.

2.2 Traffic Conditions

2.2.1 Regional Access Roadways Operating Conditions

Traffic volumes in the northbound and southbound directions of US 101 in the vicinity of the Project site were obtained from the Freeway Performance Measurement System (PeMS) for the weekday AM and PM peak periods, and calculated as the average of three typical weekdays in 2013 (March 26th, 2013 to March 28th, 2013). The v/c ratio was determined assuming a theoretical freeway capacity of 9,900 vehicles per hour (2,200 vehicles per mixed-flow lane, and 1,100 vehicles per high-occupancy vehicle (HOV) / auxiliary lane). The resulting v/c ratio and LOS for Existing Conditions are summarized in **Table 4**, and detailed LOS calculations are included in **Appendix C**.

As shown in **Table 4**, both the northbound and southbound direction of US 101 operates at acceptable conditions (LOS D or better) under Existing Conditions.

Table 4: Regional Access Roadway Segment Level of Service – Existing Conditions (US 101)

Roadway	Direction	Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c
US 101	NB	B	0.31	C	0.56
	SB	D	0.74	C	0.58

Source: AECOM, 2014.

2.2.2 Intersection Operating Conditions

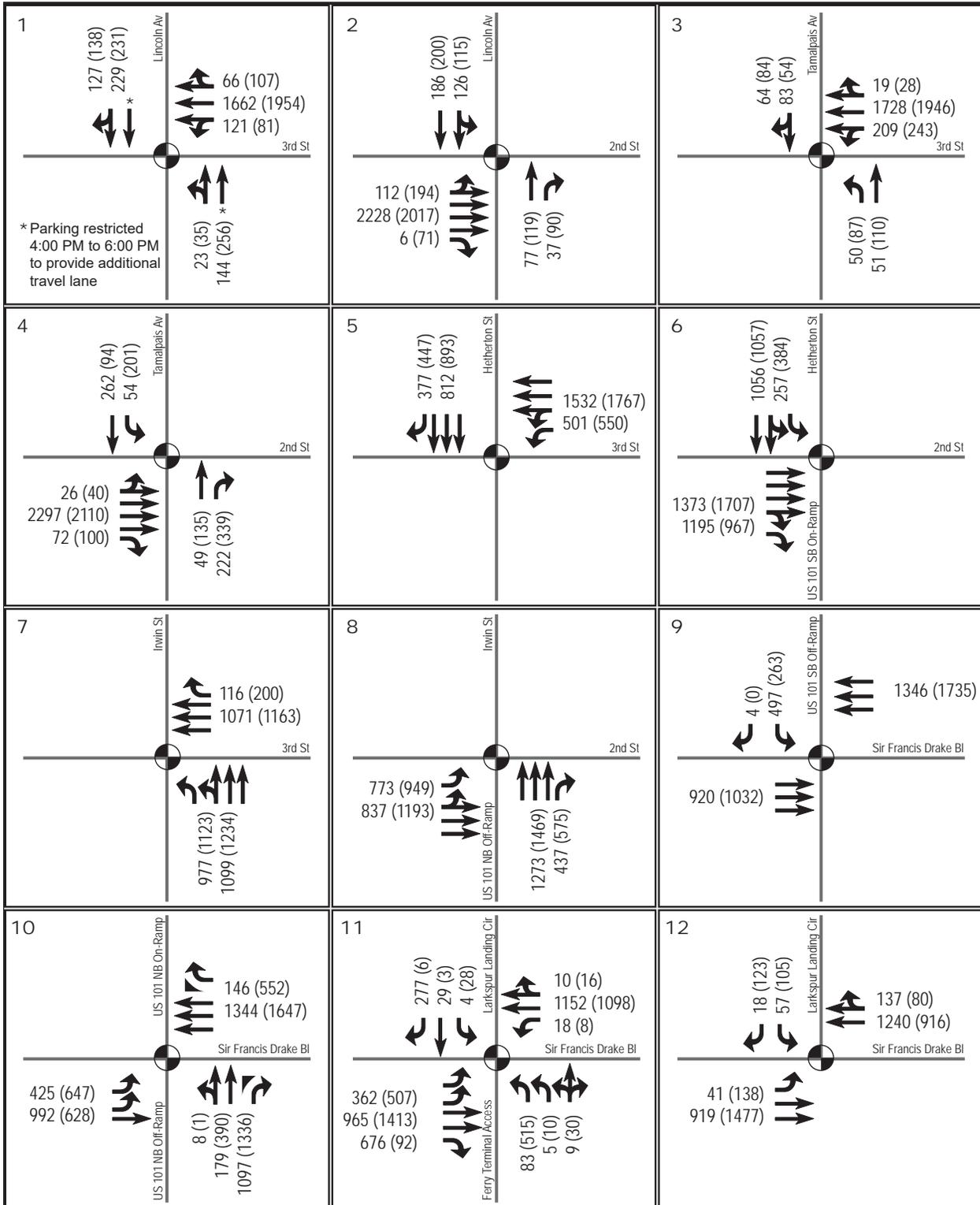
Intersection turning movement counts were obtained from the *Larkspur SMART Station Area Plan Existing Conditions Report* (July 31, 2012) and the *Sonoma-Marín Area Rail Transit Traffic Analysis Update for Downtown San Rafael* (January 2013). As the intersection turning movement counts presented in these reports were collected in October 2011, a typical growth rate of one percent per year was applied to these volumes to approximate traffic volumes in 2013.

Existing Conditions lane geometry and traffic volumes for each study intersection are illustrated in **Figure 3**.

Downtown San Rafael

Existing Conditions intersection LOS for the Downtown San Rafael study intersections is summarized in **Table 5**, and the detailed LOS calculations are provided in **Appendix C**.

As shown in **Table 5**, all study intersections currently operate at acceptable conditions (LOS D or better) during the weekday AM and PM peak hours. Field observations of existing traffic conditions in Downtown San Rafael indicated that there is some concentrated congestion near freeway access points.



LEGEND



AM Peak Hour Traffic Volume
 PM Peak Hour Traffic Volume
 xx (xx)

Figure 3
 Intersection Lane Geometry and Traffic Volumes - Existing Conditions

Table 5: Intersection Level of Service – Existing Conditions (Downtown San Rafael)

Intersection		Control	Existing Conditions			
			Weekday AM Peak Hour		Weekday PM Peak Hour	
			LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾
1	Lincoln / Third	Signal	C	21.9	B	13.2
2	Lincoln / Second	Signal	B	17.8	B	15.9
3	Tamalpais / Third	Signal	A	6.5	A	8.5
4	Tamalpais / Second / Francisco West	Signal	A	9.4	B	13.4
5	Hetherton / Third	Signal	B	17.7	C	26.7
6	Hetherton / Second / US 101 SB On-Ramp	Signal	D	45.0	D	41.3
7	Irwin / Third	Signal	B	19.2	C	24.5
8	Irwin / Second / US 101 NB Off-Ramp	Signal	B	17.5	D	48.7

Source: AECOM, 2014.

Notes:

⁽¹⁾ Delay presented in seconds per vehicle.

Larkspur

Existing Conditions LOS for the Larkspur study intersections are summarized in **Table 6**, and the detailed LOS calculations are provided in **Appendix C**.

Table 6: Intersection Level of Service – Existing Conditions (Larkspur)

Intersection		Control	Existing Conditions			
			Weekday AM Peak Hour		Weekday PM Peak Hour	
			LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾
9	Sir Francis Drake / US 101 SB Ramps	Signal	B	19.4	B	13.6
10	Sir Francis Drake / US 101 NB Ramps	Signal	B	18.8	D	35.5
11	Sir Francis Drake / Larkspur Landing (West)	Signal	C	20.5	D	35.5
12	Sir Francis Drake / Larkspur Landing (East)	Signal	A	8.1	B	13.6

Source: AECOM, 2014.

Notes:

⁽¹⁾ Delay presented in seconds per vehicle.

As shown in **Table 6**, all study intersections currently operate at acceptable conditions (LOS D or better) during the weekday AM and PM peak hours. Field observations of existing traffic conditions in Larkspur indicated that there is some concentrated congestion near freeway access points along Sir Francis Drake Boulevard.

Andersen Drive

Andersen Drive is a heavily traveled, two-lane arterial, oriented in the general northbound / southbound direction. A southbound left-turn pocket located at the intersection of Andersen Drive and Francisco Boulevard West, serves as a feeder to a southbound US 101 on-ramp. Based on data collected in 2008, average daily traffic (ADT) on Andersen Drive is over 15,000 vehicles north of Francisco Boulevard West and over 24,000 vehicles south of Francisco Boulevard West.

Although not analyzed as part of this study, Existing Conditions LOS for the intersections studied as part of the Recommended Alternative analysis for the Andersen Drive crossing are summarized in **Table 7** for reference.

Table 7: Intersection Level of Service – Existing Conditions (Andersen Drive)

Intersection	Control	Existing Conditions	
		LOS	Delay ⁽¹⁾
Francisco Boulevard West / US 101 SB Ramps	Signal	C	30.8
Andersen Drive / Francisco Boulevard West	Signal	C	29.6
Andersen Drive / Old US 101 SB Ramps	Signal	A	0.9
Bellam Boulevard / Andersen Drive	Signal	D	53.5
Andersen Drive / DuBois Street	Signal	C	31.6

Source: AECOM, 2014.

Notes:

⁽¹⁾ Delay presented in seconds per vehicle.

As shown in **Table 7**, all intersections studied as part of the analysis of the Recommended Alternative for the Andersen Drive crossing operate at an acceptable LOS under Existing Conditions.

2.2.3 Roadway Segment Operating Conditions

Downtown San Rafael

Access to US 101 within the vicinity of the Project is provided via the local roadway network discussed in Section 2.1, specifically Second Street and Third Street in Downtown San Rafael. These streets will also provide the primary roadway access for the proposed SMART station. Existing Conditions v/c ratios and LOS for these local access roadways are summarized in **Table 8**.

Table 8: Roadway Segment Level of Service – Existing Conditions (Downtown San Rafael)

Roadway	Direction	Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c
Second Street	EB	A	0.43	A	0.59
Third Street	WB	B	0.67	C	0.78

Source: AECOM, 2014.

Larkspur

Access to US 101 within the vicinity of the Project is provided via the local roadway network discussed in Section 2.1, specifically Sir Francis Drake Boulevard in Larkspur. Sir Francis Drake Boulevard will also serve as the primary roadway access for the proposed SMART station. Existing Conditions v/c ratios and LOS for Sir Francis Drake Boulevard are summarized in **Table 9**.

Table 9: Roadway Segment Level of Service – Existing Conditions (Larkspur)

Roadway	Direction	Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c
Sir Francis Drake Boulevard	EB	F	1.05	F	1.06
	WB	C	0.80	D	0.85

Source: AECOM, 2014.

Notes:

Bold indicates roadway segment is operating at unacceptable LOS (LOS E or LOS F).

2.3 Transit Conditions

The proposed station sites in Downtown San Rafael and Larkspur are served by both local and regional public transit services, described in further detail below. Transit services operating within the Project vicinity under Existing Conditions are illustrated in **Figure 4** and are summarized in **Table 10**.

2.3.1 Downtown San Rafael

The Downtown San Rafael Station is at the site of the former San Rafael (Fourth Street) Station of the NWP. The site is adjacent to the Whistlestop Building (originally the train depot, currently operating as a senior service center) and across the street from the C. Paul Bettini San Rafael Transit Center (occupying the block bounded by Third Street, Second Street, Hetherington Street, and Tamalpais Avenue). The San Rafael Transit Center is the hub for transit service in Downtown San Rafael, and is primarily served by Golden Gate Transit, with additional routes operated by several public and private transit operators.

Golden Gate Transit bus service is operated by the Golden Gate Bridge, Highway & Transportation District (GGBHTD), and covers San Francisco, Marin, and Sonoma Counties. Golden Gate Transit operates several different types of service at the San Rafael Transit Center, described in detail in the following subsections.

Marin County Local Routes

These routes primarily serve local demand within Marin County, and are operated by Golden Gate Transit under a contract with Marin Transit. Included among these routes is Route 29, which operates between the San Rafael Transit Center and the San Anselmo Hub (Center Boulevard / Sir Francis Drake Boulevard / Red Hill Avenue) via the Larkspur Ferry Terminal. The extension of SMART from Downtown San Rafael to Larkspur will provide transit riders with an alternative transit option to get between the Larkspur Ferry Terminal and Downtown San Rafael.

Basic Bus Routes

These routes provide basic regional service to the East Bay (Route 40, Route 42) and San Francisco (Route 70, Route 80, and Route 101 / 101X). SMART service would parallel much of the service currently provided by Route 70, Route 80, and Route 101 / 101X.

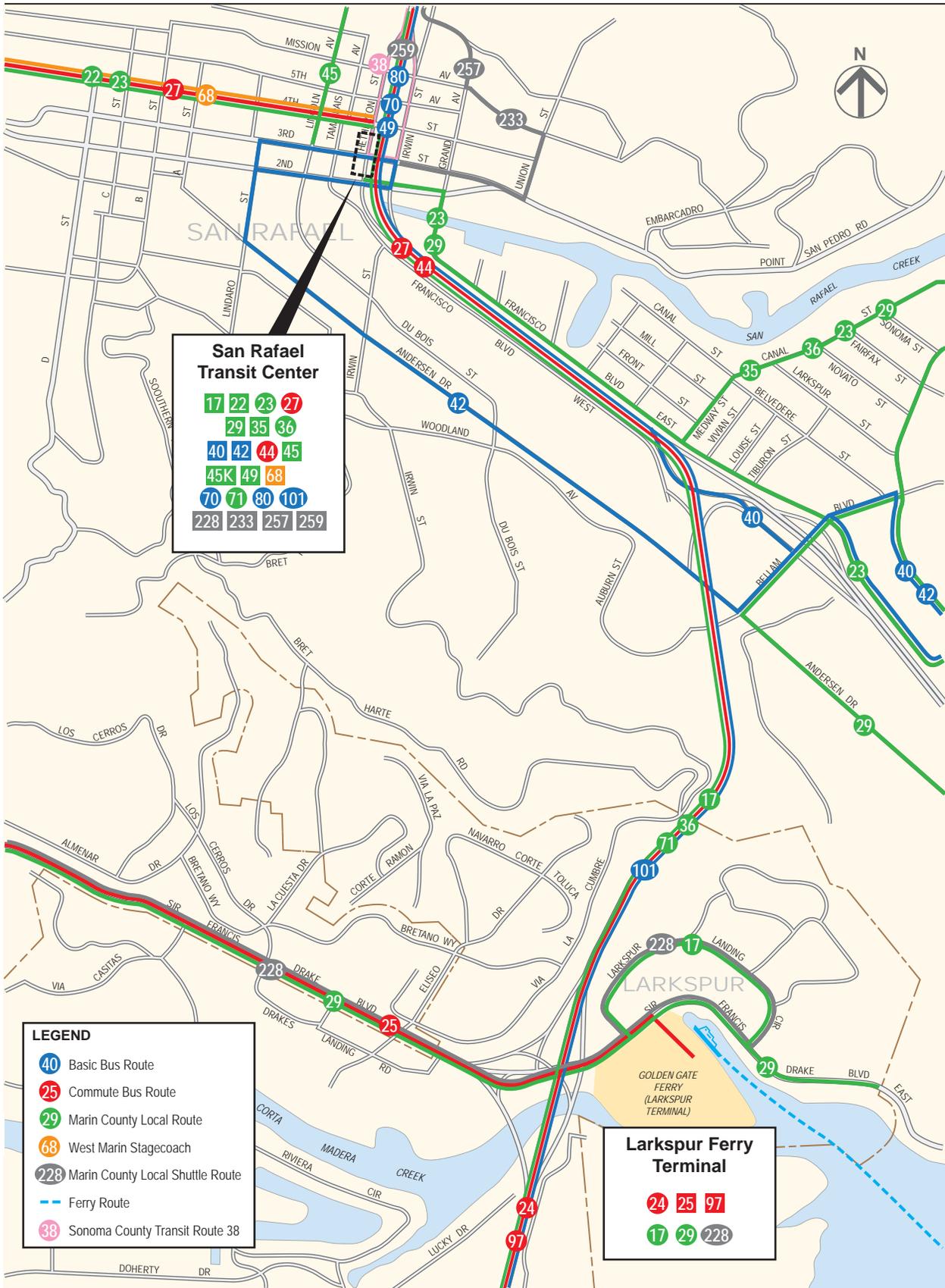
Commute Bus Routes

These routes operate only on weekdays, during the commute period. Service is provided in the commute direction only (southbound into San Francisco in the morning and northbound into Marin County in the evening).

Supplemental School Service

These routes provide supplementary service to local schools, typically only operating a limited number of trips a day (to schools in the morning and from schools in the early afternoon). In addition to routes specifically branded as “supplemental school service,” some trips on Marin County local routes are also designed specifically to serve school demand.

In addition to Golden Gate Transit, Marin Transit also provides its own local transit services out of the San Rafael Transit Center, including three local shuttle routes and one West Marin Stagecoach route. Sonoma County Transit operates one regional bus service out of the San Rafael Transit Center, connecting communities in eastern Sonoma County along the Sonoma Highway (State Route 12). Two private transit operators (Marin Airporter and Sonoma County Airport Express) provide express coach service to and from San Francisco International Airport (SFO) and Oakland International Airport (OAK).



Existing Transit Network.ai

Source: Golden Gate Transit Bus and Ferry Map.

Figure 4
Transit Network - Existing Conditions

Table 10: Transit Service in Downtown San Rafael

Route	Approximate Headways (minutes)				
	Weekday			Weekend / Holiday ⁽¹⁾	
	AM Peak	Midday	PM Peak		
Golden Gate Transit					
<i>Marin County Local Route</i>					
17	Marin City – Mill Valley – Strawberry – San Rafael ⁽²⁾	30	60	30	60
22	Sausalito – Marin City – Strawberry – San Anselmo – San Rafael ⁽³⁾	30	60	30	60
23	Manor – Fairfax – San Anselmo – San Rafael ⁽⁴⁾	60	60	60	60
29	Manor – San Anselmo – College of Marin – Marin General Hospital – Larkspur Landing – San Rafael	30	60	30-60	60
35	Canal – San Rafael ⁽⁵⁾	5-15	30	10-20	30
36	Marin City – Canal – San Rafael	30		30	
45 45K	San Rafael – Marin Civic Center – Northgate Mall – Kaiser Hospital ⁽⁶⁾	30	30	30	60
49 49K	San Rafael – Marin Civic Center – Kaiser Hospital – Hamilton – Novato – San Marin ⁽⁷⁾	60	60	60	60
71	Marin City – San Rafael – Novato ⁽⁸⁾	30	60	60	
<i>Basic Bus Route</i>					
40	San Rafael – San Quentin – El Cerrito del Norte Bay Area Rapid Transit (BART) Station	60		60	30-60
42	San Rafael – San Quentin – Richmond BART Station – El Cerrito del Norte BART Station	60	60	60	
70	San Francisco – Marin City – San Rafael – Novato	30-60	60	30-60	60
80	San Francisco – Marin City – San Rafael – Novato – Petaluma – Cotati – Rohnert Park – Santa Rosa ⁽⁹⁾				60
101 101X	San Francisco – San Rafael – Novato – Petaluma – Cotati – Rohnert Park – Santa Rosa ⁽¹⁰⁾	60	60	60	60
<i>Commute Bus Route</i>					
27	San Francisco – San Rafael – San Anselmo	15-30		30	
44	San Francisco – San Rafael – Lucas Valley – Marinwood	60		60	
<i>Supplemental School Service</i>					
114	San Rafael – Strawberry Village – Marin City – Redwood High School	Irregular schedule ⁽¹¹⁾			
126	San Rafael – San Anselmo – Sleepy Hollow	Irregular schedule ⁽¹²⁾			
Marin Transit					
<i>Marin County Local Shuttle Route</i>					
233	San Rafael – Santa Venetia	60	60	60	60
257	San Rafael – Smith Ranch Road	60	60	60	
259	San Rafael – Marinwood	60	60	60	
<i>West Marin Stagecoach</i>					
68	San Rafael – Fairfax – Woodacre – San Geronimo – Forest Knolls – Lagunitas – Point Reyes – Inverness	Irregular schedule ⁽¹³⁾			

Sonoma County Transit					
38	San Rafael – Schellville – Temelec – Sonoma – El Verano – Boyes Hot Springs – Agua Caliente – Glen Ellen – Kenwood	Irregular schedule ⁽¹⁴⁾			
Marin Airporter					
	San Rafael – San Francisco International Airport	60	60	60	60
Sonoma County Airport Express					
	Sonoma County Airport – Santa Rosa – Rohnert Park – Petaluma – San Rafael – Oakland International Airport	120	120	120	120

Source: Golden Gate Bridge, Highway and Transportation District, 2013; Marin Transit, 2013; Sonoma County Transit, 2013; Marin Airporter, 2013; Sonoma County Airport Express, 2013.

Notes:

- ⁽¹⁾ Some Golden Gate Transit trips only operate on Saturdays.
- ⁽²⁾ Some trips on weekdays and most trips on weekends interlined with Route 19 (Marin City – Tiburon). On weekdays, some supplemental school service (not serving the San Rafael Transit Center) is also provided. On Saturdays, some late night trips do not serve the San Rafael Transit Center.
- ⁽³⁾ Early morning southbound runs on weekdays continue to San Francisco as Route 18 via Larkspur and Corte Madera.
- ⁽⁴⁾ On weekdays, some supplemental school service (not serving the San Rafael Transit Center) is also provided. On weekends, most trips only operate between Manor (Sir Francis Drake Boulevard / Olema Road) and the San Anselmo Hub (Sir Francis Drake Boulevard / Center Boulevard).
- ⁽⁵⁾ On weekdays, some northbound trips continue to Mill Valley as Route 17 or to Terra Linda as Route 45.
- ⁽⁶⁾ Route 45 terminates at Las Gallinas Avenue / Nova Albion Way, while Route 45K continues further to the Kaiser Permanente San Rafael Medical Center. Some southbound trips on weekdays and weekends continue to Canal as Route 35.
- ⁽⁷⁾ On weekdays, this route operates as Route 49 between San Marin and the San Rafael Transit Center. On weekends, it operates at Route 49K, between San Marin and the San Rafael Transit Center via the Kaiser Permanente San Rafael Medical Center.
- ⁽⁸⁾ Route is operated primarily as a supplementary service for Route 70 and Route 80 between Novato and Marin City, with irregular schedules in the northbound direction during the AM and PM peak on weekdays and in both directions on weekends.
- ⁽⁹⁾ Limited service is provided on weekdays during the early morning and late evening.
- ⁽¹⁰⁾ Headways are for Route 101. Route 101X provides supplementary express service on weekdays on an irregular schedule (two southbound trips and one northbound trip).
- ⁽¹¹⁾ Route operates only one roundtrip a day, southbound in the morning and northbound in the evening.
- ⁽¹²⁾ Route operates on irregular headways, with two morning trips from the San Rafael Transit Center to San Anselmo and Sleepy Hollow and two to four early afternoon trips from San Anselmo and Sleepy Hollow to the San Rafael Transit Center.
- ⁽¹³⁾ Route operates on irregular headways, with seven roundtrips Monday through Saturday and four roundtrips Sunday.
- ⁽¹⁴⁾ Route operates only one roundtrip a day, southbound in the morning and northbound in the evening.

2.3.2 Larkspur

The site for the proposed Larkspur Station is along the east side of US 101 adjacent to Larkspur Landing, approximately 500 feet from the Larkspur Ferry Terminal. Current transit service in the area consists primarily of Golden Gate Transit bus and ferry services, in addition to Marin Airporter service to and from San Francisco International Airport. These services are summarized in **Table 11**.

The GGBHTD operates ferry service between the Larkspur Ferry Terminal and the Ferry Building in San Francisco, as summarized in **Table 12**. Ridership data for 2012 was obtained from the GGBHTD and is summarized in **Table 13**.

Table 11: Transit Service in Larkspur (Bus Services)

Route	Approximate Headways (minutes)				
	Weekday			Weekend / Holiday	
	AM Peak	Midday	PM Peak		
Golden Gate Transit					
<i>Marin County Local Route</i>					
29	Manor – San Anselmo – College of Marin – Marin General Hospital – Larkspur Landing – San Rafael	30	60	30-60	60
<i>Commute Bus Route</i>					
24	San Francisco – Greenbrae – College of Marin – Kentfield – Ross – San Anselmo – Fairfax – Manor ⁽¹⁾				
97	Larkspur – San Francisco ⁽²⁾				
<i>Ferry</i>					
	Larkspur – San Francisco	Irregular schedule ⁽³⁾			
Marin Airporter					
	San Rafael – San Francisco International Airport	30	30	30	30

Source: Golden Gate Bridge, Highway and Transportation District, 2013; Marin Airporter, 2013.

Notes:

- ⁽¹⁾ Only one trip (early morning, southbound direction) serves the Larkspur Ferry Terminal.
- ⁽²⁾ Route 97 only has one regularly-scheduled trip (early morning, southbound), although unscheduled trips are occasionally provided to serve overflow demand exceeding ferry capacity during the weekday AM peak.
- ⁽³⁾ Schedule is irregular, consisting of 18 southbound trips and 19 northbound trips on weekdays and four roundtrips on weekends. The current schedule

Table 12: Transit Service in Larkspur (Ferry Services)

Weekday				Weekend / Holiday			
Depart Larkspur	Arrive San Francisco	Depart San Francisco	Arrive Larkspur	Depart Larkspur	Arrive San Francisco	Depart San Francisco	Arrive Larkspur
5:50	6:20	6:25	6:55				
6:35	7:05	7:10	7:40				
7:10	7:40	7:45	8:15				
7:50	8:20	8:30	9:05				
8:20	8:50	9:10	9:45				
9:15	9:50	10:10	10:45				
10:10	10:45	10:55	11:30	9:40	10:30		
11:10	11:45	11:55	12:30				
12:40	1:15	1:25	2:00	11:40	12:30	12:40	1:30
2:15	2:50	3:00	3:30	1:40	2:30		
2:50	3:25	3:35	4:05				
3:40	4:15	4:25	4:55			3:45	4:35
4:15	4:45	5:00	5:30	4:45	5:35		
		5:20	6:05				
5:05	5:40	5:55	6:25				
5:40	6:15	6:25	6:55			6:25	7:15
6:35	7:10	7:20	7:50			7:25	8:10
7:25	8:00	8:10	8:40				

Weekday				Weekend / Holiday			
Depart Larkspur	Arrive San Francisco	Depart San Francisco	Arrive Larkspur	Depart Larkspur	Arrive San Francisco	Depart San Francisco	Arrive Larkspur
8:50	9:25	9:35	10:05				

Source: Golden Gate Bridge, Highway and Transportation District, 2013.

Notes:

Bold = PM

Schedule effective December 10, 2012 through March 31, 2013.

Table 13: Larkspur Ferry Weekday Ridership

Period	Northbound		Southbound	
	Depart San Francisco	Ridership	Depart Larkspur	Ridership
Weekday AM Peak Period (7:00 to 9:00)	7:10	21	7:10	416
	7:45	15	7:50	444
	8:30	16	8:20	438
	Total	52	Total	1,298
Weekday PM Peak Period (16:00 to 18:00)	16:25	361	16:15	113
	17:00	408	17:10	69
	17:20	252	17:35	40
	17:55	402		
Total	1,423	Total	222	
Daily	Total	2,779	Total	2,801

Source: Golden Gate Bridge, Highway and Transportation District, 2013.

2.4 Bicycle Conditions

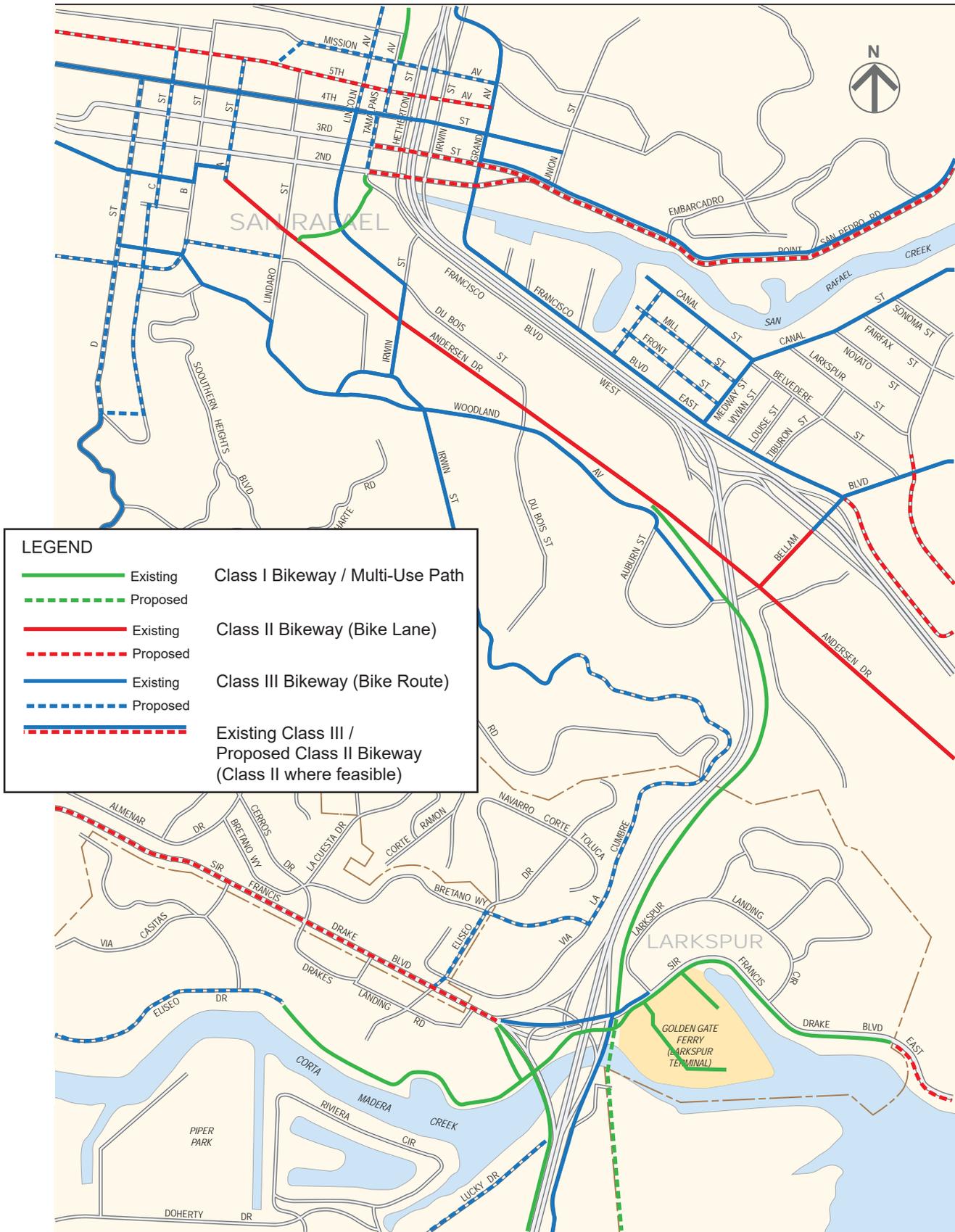
Bikeways are typically classified into one of three categories: Class 1 facilities are dedicated paths fully separated from roadways, Class 2 facilities are separate bicycle lanes adjacent to the curb lane on roadways, and Class 3 facilities are signed routes, where bicyclists must share travel lanes on roadways with other vehicles.

The existing bikeway network and bicycle conditions at the two proposed station sites are illustrated in **Figure 5**, and are described in further detail below.

2.4.1 Downtown San Rafael

The existing bikeway network in the vicinity of the Downtown San Rafael Station is limited and consists primarily of Class 2 and Class 3 bicycle facilities.

In particular, a Class 1 shared pedestrian / bicycle recreational trail connects Downtown San Rafael (Mission Avenue / Stevens Place intersection) at the northern edge of Downtown San Rafael with Merrydale Road near Pilgrim Way in Santa Venetia, close to US 101 / North San Pedro Road interchange. This trail is part of the bicycle path being built in conjunction with the SMART project, and parallels US 101, closely following the NWP alignment between US 101 / Lincoln Avenue interchange and Paloma Avenue. Another short segment of Class 1 bicycle facility is provided along the northern bank of the San Rafael Creek, connecting the Tamalpais Avenue / Second Street / Francisco Boulevard West and Lindaro Street / Andersen Drive intersections.



LEGEND

	Existing	Class I Bikeway / Multi-Use Path
	Proposed	
	Existing	Class II Bikeway (Bike Lane)
	Proposed	
	Existing	Class III Bikeway (Bike Route)
	Proposed	
	Existing Class III / Proposed Class II Bikeway (Class II where feasible)	

Existing Bikeway Network.ai

Sources: San Rafael Bicycle/Pedestrian Master Plan (2011); Larkspur SMART Station Area Plan Existing Conditions Report (2012); Marin County Unincorporated Area Bicycle and Pedestrian Master Plan (2008).

Figure 5
Bicycle Network - Existing Conditions

The remainder of the existing bikeways in the vicinity of the station consist of Class 1 bikeways:

- Fourth Street (Route 24): This bikeway connects west to Greenfield Avenue and San Anselmo and east to San Rafael High School, connecting via the Grand Avenue bikeway east along Point San Pedro Road all the way to McNears Beach and China Camp State Park.
- Grand Avenue / Francisco Boulevard East: This bikeway connects north to the Dominican University of California and the Class 1 SMART bike path (at US 101 / Lincoln Avenue interchange) and continues south along Francisco Boulevard East to the Canal neighborhood.
- Lincoln Avenue / Irwin Street: This route begins at the San Rafael Transit Center and extends south up into the Bret Harte neighborhood. Portions of this bikeway are designated as part of Route 22, which veers east from the Irwin Street / Andersen Drive intersection to San Quentin.

Future proposed bikeways include new bike lanes (Class 1 facilities) along Fifth Avenue, Francisco Boulevard West, and Point San Pedro Road (extending to the San Rafael Transit Center via Fourth Street and Third Street). New bike routes (Class 1 facilities) would also be established along Lincoln Avenue, Mission Avenue, A Street, and C Street / D Street.

Bicycle traffic in the area is low to moderate, and highest on the completed segment of the Class 1 SMART bike path extending north of the Mission Avenue / Stevens Place intersection. Bike racks at the San Rafael Transit Center can accommodate a total of 41 bicycles.

2.4.2 Larkspur

The existing bikeway network in the vicinity of the proposed Larkspur Station is also limited and consists primarily of Route 20, a Class 1 facility that parallels Sir Francis Drake Boulevard on the south side from Remillard Park in the east to the US 101 interchange in the west. Additional Class 1 bikeways directly connect Route 20 with the Larkspur Ferry Terminal.

2.4.3 Andersen Drive

Andersen Drive is a major bicycle commute route featuring Class 2 bicycle facilities in both directions and a connection to already-completed portions of the Class 1 SMART bicycle path, including the recently constructed bridge over Auburn Street and the Cal Park Hill Tunnel.

2.5 Pedestrian Conditions

Pedestrian conditions at the two proposed station sites are described in further detail below.

2.5.1 Downtown San Rafael

Pedestrian accommodation in the area surrounding the site for the Downtown San Rafael Station is generally adequate. Sidewalks are generally provided along all streets in the area, with the exception of Francisco Boulevard West, the on- and off-ramps from US 101, and the south side of Second Street underneath US 101. Likewise, crosswalks (standard striping) and curb ramps are provided at most intersections, although many legs lack crossings, prioritizing vehicular traffic flow and circulation at the expense of pedestrian connectivity and safety. With the exception of curb ramps at the San Rafael Transit Center, most curb ramps in the area are not ADA-compliant, and lack tactile detection devices such as truncated dome tiles.

Pedestrian activity is moderate and primarily concentrated at the San Rafael Transit Center.

2.5.2 Larkspur

Pedestrian accommodation in the area surrounding the site for the proposed Larkspur Station is limited. In general, the provision of marked crossing locations and sidewalks is sparse. Intersection design prioritizes vehicular traffic flow,

frequently requiring pedestrians to make lengthy detours to cross intersections and / or requiring substantial crossing distances.

Within the Larkspur Landing complex, a minimal level of pedestrian connectivity is provided by crosswalks across Larkspur Landing Circle and through portions of the surface parking areas, connecting to sidewalks surrounding specific buildings in the complex. However, the number of connections is limited, generally requiring pedestrians to make circuitous detours or put themselves in conflict with oncoming traffic by crossing at unmarked locations or walking through parking lots.

Of the four study intersections along Sir Francis Drake Boulevard, only the two intersections with Larkspur Landing Circle provide adequate pedestrian facilities—both have crosswalks with ladder striping. The Larkspur Landing Circle (East) intersection has crosswalks across all three legs and the Larkspur Landing Circle (West) intersection has crosswalks across three of the four legs (no crosswalk across the west leg). Sidewalks or pedestrian paths are generally provided along both sides of all streets at these two intersections, with a shared bicycle–pedestrian recreational path provided along the south side of Sir Francis Drake Boulevard east of the Larkspur Ferry Terminal. However, sidewalk provision at the Larkspur Landing Circle (East) intersection along both sides of Larkspur Landing Circle is limited. Curb ramps are provided at all crosswalks, but some lack tactile detection devices (truncated dome tiles) and are, therefore, not ADA-compliant. The south crosswalk at the Larkspur Landing Circle (West) intersection crosses the access road for the Larkspur Ferry Terminal parking lot, and requires pedestrians to traverse three distinct crossing roadways, including a potentially hazardous exclusive right-turn lane from eastbound Sir Francis Drake Boulevard. This latter crossing is uncontrolled, and vehicles attempting to enter the Ferry Terminal parking lot frequently travel at high speeds along this turn.

Within the Ferry Terminal area, pedestrian facilities are again limited, although a sidewalk is provided along the western and southern edges of the parking lot, connecting to the primary pedestrian access to and from the terminal along the east side. A pedestrian bridge is provided over Sir Francis Drake Boulevard, facilitating access between the terminal and the Larkspur Landing complex. Crosswalks to carry pedestrian traffic to and from the terminal’s surface parking are provided at several strategic locations, with one large, highly-visible pedestrian zone at the southeast corner of the parking area connecting directly into the terminal.

Further west of the Ferry Terminal at US 101 / Sir Francis Drake Boulevard interchange, pedestrian facilities are non-existent, with no crosswalks provided at any location at either of the two ramp intersections. Pedestrians attempting to get across US 101 to and from Drakes Landing / Niven Park and Greenbrae must travel along the south side of Sir Francis Drake Boulevard to access a shared bicycle–pedestrian recreational path.

Pedestrian flows are high between the terminal parking lot and piers, exhibiting “platooning”, or pulsed arrivals and departures, in coordination with the ferry schedules. Outside of the terminal area, however, pedestrian traffic is minimal.

At the US 101 interchange, Route 20 continues west as a Class 1 facility underneath US 101, along the north bank of Corte Madera Creek to Kentfield / College of Marin, Ross, San Anselmo, and Fairfax. Additional connections are provided at US 101 / Sir Francis Drake Boulevard interchange to Route 5 (south to Corte Madera, Mill Valley, Marin City, and Sausalito via Tamal Vista Boulevard, Meadowsweet Drive, and the Mill Valley–Sausalito Bike Path) and Route 17 (south to Corte Madera and Tiburon via Redwood Highway, Paradise Drive, and Trestle Glen Boulevard).

Future proposed bikeways include extension of the SMART bike path south from the proposed Larkspur Station along the former NWP alignment and across the mouth of Corte Madera Creek, connecting to an existing trail built in the NWP ROW (Corte Madera–Larkspur Path).

Bicycle traffic in the area is low, with the highest volumes observed near the Larkspur Ferry Terminal and around the bikeway junction near US 101 / Sir Francis Drake Boulevard interchange. Bike parking at the Larkspur Ferry Terminal can accommodate a total of 71 bicycles.

2.5.3 Andersen Drive

Pedestrian facilities provided within the vicinity of the proposed at-grade crossing along Andersen Drive consist of a wide sidewalk on the west side of the street. Additionally, a Class 2 multi-use pathway provides non-motorized access between

Downtown San Rafael and the Larkspur Ferry Terminal via the recently constructed bridge over Auburn Street and the Cal Park Hill Tunnel.

2.6 Parking Conditions

Existing parking conditions for the study area shown in **Figure 6** were analyzed as part of the *Downtown San Rafael Station Area Plan Existing Conditions Report* (November 30, 2010) and the *Larkspur Station Area Plan Existing Conditions Report* (July 31, 2012). Available data from these documents regarding existing on- and off-street parking supply and occupancy, as they pertain to the Project, are summarized below.

2.6.1 Downtown San Rafael

On-Street Parking

Downtown San Rafael on-street parking primarily consists of metered and / or time-limited parallel parking. On-street parking is permitted along Fourth Street, Fifth Avenue, Lincoln Avenue, Tamalpais Avenue, Mission Avenue and parts of Irwin Street. Parking is prohibited during the weekday PM peak period in certain areas—namely, both sides of Lincoln Avenue and the east side of Irwin Avenue, as described in Section 2.1—in order to provide an auxiliary travel lane for commute traffic. While these tow-away zones are not in effect during the weekday AM peak period, observations indicated that traffic along Irwin Street frequently uses the parking lane during this time as a “de facto” travel lane.

Field observations conducted for the *Downtown San Rafael Station Area Plan Existing Conditions Report* determined that on-street parking in Downtown San Rafael is well-utilized throughout the weekday, with surveys conducted on August 26, 2010 indicating that parking occupancy peaks during the midday period (12:00 PM to 2:00 PM) at around 50 percent. Occupancy during other times of the day generally falls between 30 percent and 40 percent.

Off-Street Parking

Four park-and-ride lots, maintained and operated by the Caltrans, are located underneath US 101 viaduct in the vicinity of the proposed station site and the current Bettini Transit Center:

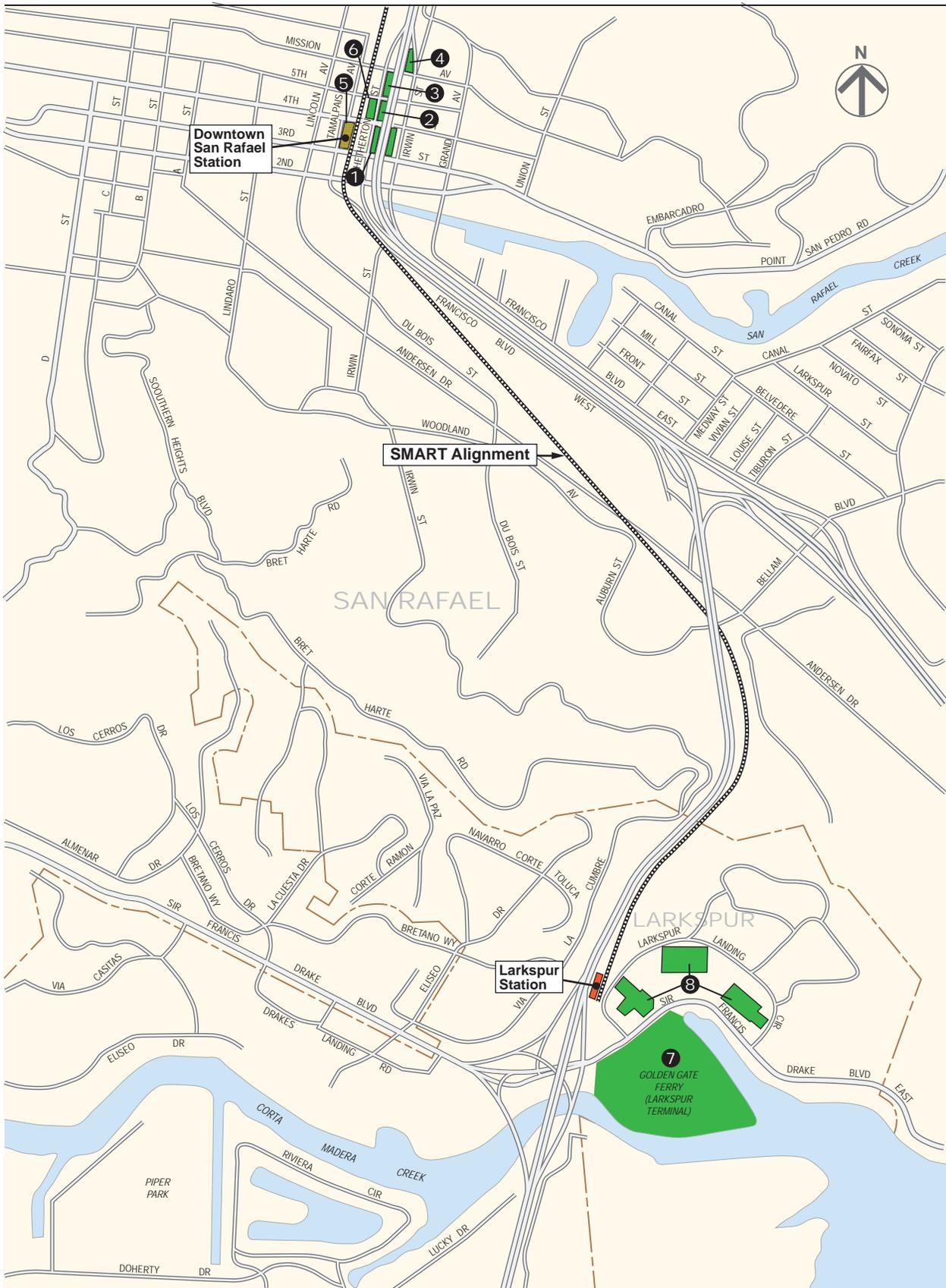
1. Hetherton Street between Third Street and Fourth Street: 40 spaces (plus 16 bicycle lockers);
2. Hetherton Street between Fourth Street and Fifth Avenue: 56 spaces;
3. Hetherton Street between Mission Avenue and Fifth Avenue: 68 spaces; and,
4. Mission Avenue between Hetherton Street and Irwin Street: 33 spaces;

Combined, the four park-and-ride lots provide a total of 197 parking spaces (plus 16 bicycle lockers) for all-day use by transit passengers.⁽¹⁾ Occupancy surveys conducted on August 26, 2010 indicated that the lots are well-utilized throughout the day, approaching close to 100% occupancy during the midday.

In addition to the four park-and-ride lots, there are two off-street facilities of note:

1. Approximately 12 parallel parking spaces within the NWP ROW on the east side of Tamalpais Avenue (West) between Fourth Street and Mission Avenue. These are informal spaces within the unpaved rail ROW, but are well-utilized because they are unregulated, lacking parking meters and time-of-day restrictions.
2. Diagonal parking (23 spaces) within the NWP ROW along Tamalpais Avenue (East) between Third Street and Fourth Street, designated exclusively for use by The Whistlestop.

⁽¹⁾ The Caltrans District park-and-ride lot inventory (accessible at <http://www.dot.ca.gov/dist4/highwayops/parkandride/>) indicates 33, 66, 52, and 37 spaces for the four lots, respectively, for a total of 188 spaces.



Public Off-Street Parking Facilities.ai

Figure 6
Off-Street Parking Facilities

Additional private off-street parking facilities owned by Caltrans or area businesses are available in the area surrounding the station, but these are not available for use by transit passengers.

2.6.2 Larkspur

On-Street Parking

On-street parking in the vicinity of the proposed Larkspur Station is limited to parallel parking along the north side of Sir Francis Drake Boulevard from Larkspur Landing Circle (East) to approximately 500 feet east of Larkspur Landing Circle (West). A total of 69 spaces are provided:

- Larkspur Landing Circle (West) to Golden Gate Transit Bus Stop C at the Larkspur Ferry Terminal (located underneath the pedestrian overcrossing above Sir Francis Drake Boulevard): 16 spaces;
- Golden Gate Transit Bus Stop C at the Larkspur Ferry Terminal to Larkspur Landing Circle (East): 35 spaces; and,
- East of Larkspur Landing Circle (East): 18 spaces.

Off-Street Parking

Within the Project vicinity in Larkspur, off-street public parking in the Project vicinity is only available at the Larkspur Ferry Terminal. The parking lot is owned and operated by GGBHTD and is intended for use by ferry passengers. The GGBHTD's 2008 Regional Customer Study indicated that 76 percent of Larkspur Ferry passengers drive to / from the terminal, and occupancy of the lot currently reaches close to 100 percent by 9:00 AM on weekdays.

Additional off-street parking is provided for existing uses at the Larkspur Landing complex, directly adjacent to the proposed Larkspur Station.

The following is a summary of the off-street parking facilities within the Project vicinity:

3. Larkspur Ferry Terminal: 1,806 spaces (1,748 available for public use);
4. Larkspur Landing Complex: 1,780 spaces:
 - Marin Airporter station: 340 spaces;
 - Larkspur Landing Offices / Cinema: 630 spaces; and,
 - Marin Country Mart: 810 spaces.

3.0 2040 Baseline Conditions

Baseline Conditions represent conditions in the future horizon year (2040), with background development growth locally in the City of San Rafael and Larkspur, and regionally in the rest of Marin County and the Bay Area. Additionally, 2040 Baseline Conditions represent planned, approved, and funded future transportation improvements, including SMART’s IOS between Santa Rosa and San Rafael.

3.1 Methodology / Approach

3.1.1 Derivation of Forecasted Growth

The Metropolitan Transportation Commission (MTC) BAYCAST travel demand model was consulted to determine link-based growth factors for use in the intersection and roadway segment analyses, as well as ridership growth for use in the transit ridership and capacity analysis. Growth factors can be calculated by comparing the model’s base year (2006) and horizon year (2035), where the latter assumes the land use growth, transportation network changes, and other forecasts detailed in the MTC’s *Transportation 2035 Plan for the San Francisco Bay Area: Change in Motion* (April 2009).

A subsequent review of both the Year 2006 and Year 2035 versions of the model indicated that the level of detail in the modeled roadway network (particularly in Downtown San Rafael), as well as intrinsic differences in the modeled roadway network from Year 2006 to Year 2035, would complicate the derivation and application of link-based growth factors. The macroscopic level of the model makes it difficult to apply specific derived results to the microscopic-level analyses contained in this study for intersections and station access roadways. While attempts were made to incorporate as much data from the model as possible, including derivation of “screenline” growth rates around Downtown San Rafael, the calculated growth generated unrealistic results given the capacity constraints of the roadway network and inconsistent results between peak hours.

An alternative approach was selected based on previous analysis work conducted for the *Sonoma–Marin Area Rail Transit Traffic Analysis Update for Downtown San Rafael* (January 2013), which assumes a growth rate of one-percent per year to develop a “Near Term Conditions” scenario (2017) and uses traffic volumes from the City of San Rafael’s General Plan for a “Cumulative Conditions” scenario (2020). A typical growth rate of one percent per year was applied to the Cumulative Conditions (2020) traffic volumes to develop 2040 Baseline Conditions traffic volumes for the Downtown San Rafael study intersections. This approach was deemed appropriate, given that it is based on previous work already conducted for a microscopic-level analysis of Downtown San Rafael intersections.

For study intersections and station access roadways in Larkspur, including the study freeway segment (US 101 between North San Pedro Drive and Sir Francis Drake Boulevard), the growth rate was estimated based on projections used in the *Larkspur Station Area Plan EIR* for a 2035 horizon year, extrapolated to 2040.

Because ridership data for some of the existing transit services in the vicinity of the Project site were not readily available, ridership projections are presented directly from the MTC BAYCAST model for the 2035 horizon year, without extrapolation to 2040.

3.1.2 Transportation Network Changes

The Project is part of Phase II of the 70-mile SMART rail service project serving 14 stations extending from Cloverdale in Sonoma County to the proposed Larkspur Ferry station. Phase I of the SMART rail line comprises the 38.5-mile Initial Operating Segment between Santa Rosa and San Rafael, with nine stations. Extensions from Santa Rosa north to Cloverdale (three stations) and from Downtown San Rafael south to Larkspur (one station) are part of the subsequent Phase II of the SMART project, as is a second station in Petaluma near Corona Road. The analysis of 2040 Baseline Conditions assumes completion and operation of Phase I of the SMART line, which is already under construction and expected to be complete by late 2015 or early 2016.

For reference, the proposed stations and phasing of the SMART project are summarized in **Table 14**, as described in the *2010 Project Description*.

Table 14: SMART Stations and Phasing

Station	Milepost	Location	Phase
Cloverdale	84.6	Existing station located at Asti Road / Citrus Fair Drive	Phase II
Healdsburg	68.0	Historic depot at Harmon Street	Phase II
Windsor	63.0	Transit Center at Windsor Road / Windsor River Road	Phase II
Santa Rosa–Jennings Avenue	54.9	Jennings Avenue / Herbert Street	Phase I
Santa Rosa Railroad Square	53.8	Historic depot at Railroad Square	Phase I
Rohnert Park	48.7	North of Golf Course Drive / Roberts Lake Road	Phase I
Cotati	46.0	Cotati Avenue / Industrial Road	Phase I
Petaluma–Corona Road	41.0	Corona Road near North McDowell Boulevard or north of Corona Road	Phase II
Downtown Petaluma	38.5	Historic depot at Lakeville Street	Phase I
Novato North	28.7	Atherton Avenue / Redwood Boulevard	Phase I
Novato South	23.7	Hamilton area, between Main Gate Road and North Hamilton Parkway	Phase I
Marin County Civic Center	19.6	Civic Center Drive / McInnis Parkway	Phase I
Downtown San Rafael	17.0	Tamalpais Avenue between Third Street and Fourth Street	Phase I
Larkspur Station	14.8	Near Larkspur Landing	Phase II

Source: 2010 Project Description, 2010.

An additional review of funded projects listed in *Transportation 2035 Plan for the San Francisco Bay Area: Change in Motion* and projects identified by other studies was also conducted to determine planned, funded, and approved future changes to the transportation network. Specifically, the following two projects were identified:

- Highway 101 Greenbrae / Twin Cities Corridor Improvements
This project sponsored by Caltrans in corporation with the Transportation Authority of Marin (TAM), proposes modifications to several existing roadway segments on US 101 between Tamalpais Drive in the Town of Corte Madera and Sir Francis Drake Boulevard in the City of Larkspur. The project would include the modification, realignment, addition, and / or removal of on- and off-ramps; the construction of auxiliary lanes and collector–distributor roadways; as well as the construction of new transit, bicycle, and pedestrian facilities. The project would also include the optimization of traffic signals at several local roadway intersections.
- Marin–Sonoma Narrows
Caltrans and the Federal Highway Administration (FHWA) propose to improve a 16.1-mile segment of US 101, generally from the City of Novato (in Marin County) and stretching north to the City of Petaluma (in Sonoma County). The improvements involve, among other upgrades, constructing HOV lanes, widening and realigning portions of the roadway, constructing new interchanges, upgrading drainage systems, and constructing new frontage roads and bikeways.

Specific changes proposed as part of the *Downtown San Rafael Station Area Plan* and the *Larkspur Station Area Plan* are discussed in the mode-specific sections of this chapter.

3.2 Traffic Conditions

3.2.1 Regional Access Roadway Segment Operating Conditions

The projects discussed in Section 3.1.2 are expected to affect US 101 at a macroscopic level by improving general driving conditions and alleviating downstream traffic to and from San Francisco. However, these projects are not expected to result in material changes to freeway mainline operations in the immediate vicinity of the Project site.

The LOS and v/c for US 101 in the vicinity of the Project site under 2040 Baseline Conditions are summarized in **Table 15**.

Table 15: Regional Access Roadway Segment Level of Service – 2040 Baseline Conditions (US 101)

Roadway	Direction	Existing Conditions				2040 Baseline Conditions			
		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c
US 101	NB	B	0.31	C	0.56	B	0.42	D	0.75
	SB	D	0.74	C	0.58	E	0.93	D	0.73

Source: AECOM, 2014.

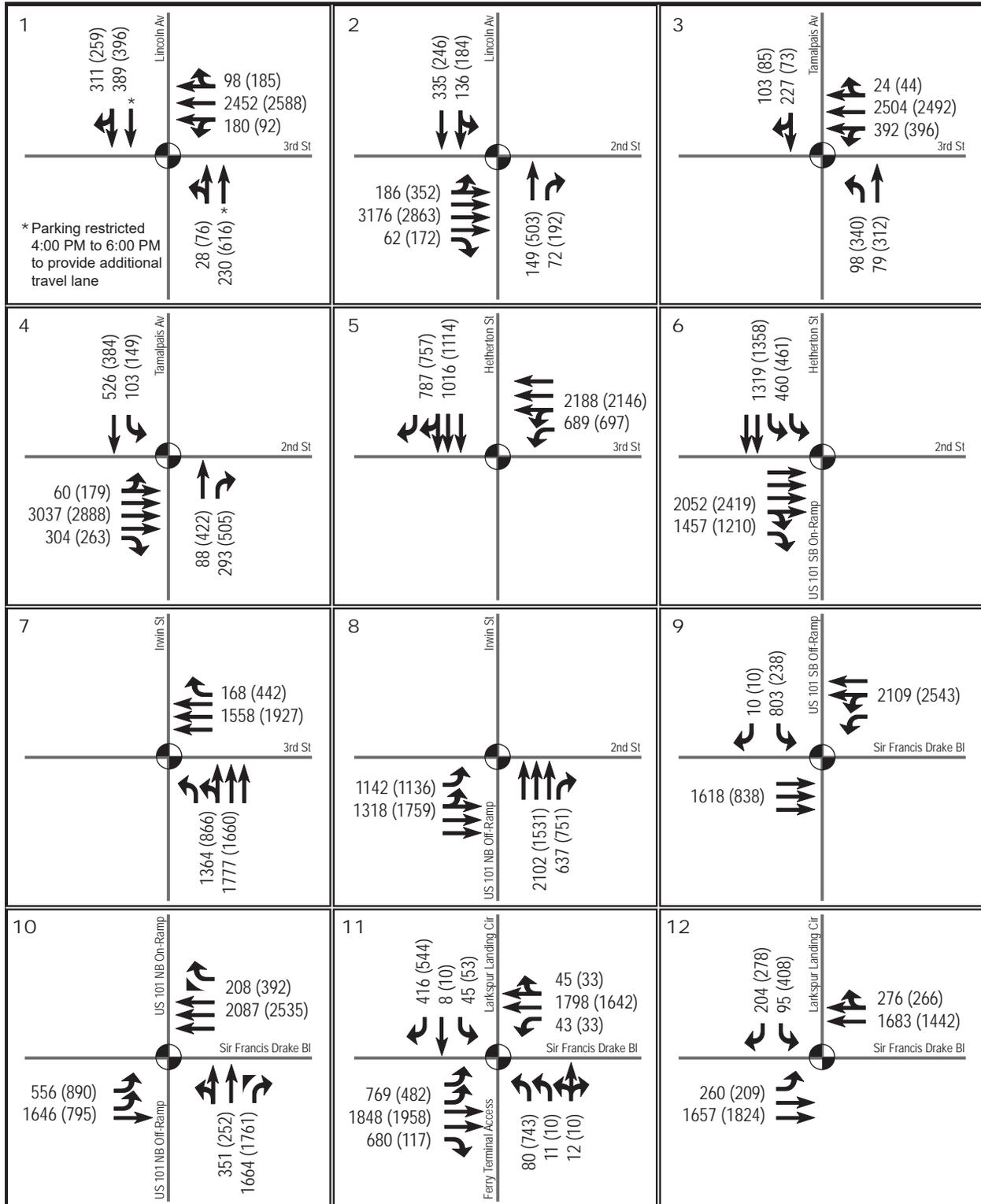
3.2.2 Intersection Operating Conditions

Downtown San Rafael

The *Downtown San Rafael Station Area Plan* proposes the following changes to the roadway network within the Project vicinity:

- Provision of a second right-turn lane from Hetherton Street to Third Street;
- Conversion of sections of Tamalpais Avenue to one-way travel to streamline traffic flow in the vicinity of the station site;
- Redesign of the section of Tamalpais Avenue between Third Street and Fourth Street to serve as a passenger pick-up / drop-off zone, resulting in additional restrictions on through-traffic; and,
- Installation of new signal controllers and upgraded signal interconnection to allow for advanced rail preemption at several intersections within Downtown San Rafael.

The assumed 2040 Baseline Conditions intersection lane geometry and traffic volumes are illustrated in **Figure 7**. The resulting 2040 Baseline Conditions weekday AM and PM peak hour intersection LOS for the Downtown San Rafael study intersections are summarized in **Table 16**.



LEGEND



AM Peak Hour Traffic Volume
 PM Peak Hour Traffic Volume
 xx (xx)

Figure 7
 Intersection Lane Geometry and Traffic Volumes -
 2040 Baseline Conditions

Table 16: Intersection Level of Service – 2040 Baseline Conditions (Downtown San Rafael)

Intersection		Control	Existing Conditions				2040 Baseline Conditions			
			Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
			LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾
1	Lincoln / Third	Signal	C	21.9	B	13.2	D	51.9	F	81.3
2	Lincoln / Second	Signal	B	17.8	B	15.9	F	103.9	E	62.4
3	Tamalpais / Third	Signal	A	6.5	A	8.5	E	70.2	F	111.6
4	Tamalpais / Second / Francisco West	Signal	A	9.4	B	13.4	D	36.0	D	51.1
5	Hetherton / Third	Signal	B	17.7	C	26.7	F	116.8	F	84.6
6	Hetherton / Second / US 101 SB On	Signal	D	45.0	D	41.3	F	101.1	F	128.3
7	Irwin / Third	Signal	B	19.2	C	24.5	F	89.4	E	67.8
8	Irwin / Second / US 101 NB On	Signal	B	17.5	D	48.7	E	74.7	F	123.7

Source: AECOM, 2014.

Notes:

Bold indicates intersection is operating at unacceptable LOS (LOS E or LOS F).

⁽¹⁾ Delay presented in seconds per vehicle.

As shown in **Table 16**, six study intersections during the weekday AM peak hour and seven study intersections during the weekday PM peak hour are projected to operate at unacceptable conditions (LOS E or LOS F) under 2040 Baseline Conditions:

- Lincoln Street / Third Street (weekday PM peak hour);
- Lincoln Street / Second Street (weekday AM / PM peak hours);
- Tamalpais Avenue / Third Street (weekday AM / PM peak hours);
- Hetherton Street / Third Street (weekday AM / PM peak hours);
- Hetherton Street / Second Street / US 101 SB On-Ramp (weekday AM / PM peak hours);
- Irwin Street / Third Street (weekday AM / PM peak hours); and,
- Irwin Street / Second Street / US 101 NB On-Ramp (weekday AM / PM peak hours).

Larkspur

The *Larkspur Station Area Plan* does not propose any projects that will result in modifications to the existing intersection lane geometry on roadways within the vicinity of the Project site. The assumed 2040 Baseline Conditions intersection lane geometry and traffic volumes for the study intersections are illustrated in **Figure 7**. The resulting 2040 Baseline Conditions weekday AM and PM peak hour intersection LOS for the Larkspur study intersections are summarized in **Table 17**.

As shown in **Table 17**, one study intersection during the weekday AM peak hour and two study intersections during the weekday PM peak hour are projected to operate at unacceptable conditions (LOS E or LOS F) under 2040 Baseline Conditions:

- Sir Francis Drake Boulevard / US 101 Southbound Ramps (weekday AM peak hour);
- Sir Francis Drake Boulevard / US 101 Northbound Ramps (weekday PM peak hour); and,
- Sir Francis Drake Boulevard / Larkspur Landing (West) (weekday PM peak hour).

Table 17: Intersection Level of Service – 2040 Baseline Conditions (Larkspur)

Intersection		Control	Existing Conditions				2040 Baseline Conditions			
			Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
			LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾
9	Sir Francis Drake / US 101 SB Ramps	Signal	B	19.5	B	13.7	E	55.2	B	16.9
10	Sir Francis Drake / US 101 NB Ramps	Signal	B	18.8	C	32.9	D	48.2	F	83.3
11	Sir Francis Drake / Larkspur Landing (W)	Signal	C	24.0	D	36.0	D	42.3	E	61.4
12	Sir Francis Drake / Larkspur Landing (E)	Signal	A	8.2	B	13.6	D	35.2	D	43.9

Source: AECOM, 2014.

Notes:

Bold indicates intersection is operating at unacceptable LOS (LOS E or LOS F).

⁽¹⁾ Delay presented in seconds per vehicle.

3.2.3 Roadway Segment Operating Conditions

Downtown San Rafael

Local roadway segment LOS under 2040 Baseline Conditions is summarized in **Table 18**. As shown in **Table 18**, Third Street is anticipated to operate at an unacceptable LOS (LOS F) during both the weekday AM and PM peak hours under 2040 Baseline Conditions.

Table 18: Roadway Segment Level of Service – 2040 Baseline Conditions (Downtown San Rafael)

Roadway	Direction	Existing Conditions				2040 Baseline Conditions			
		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c
Second Street	EB	A	0.43	A	0.59	B	0.64	D	0.81
Third Street	WB	B	0.67	C	0.78	F	1.04	F	1.02

Source: AECOM, 2014.

Notes:

Bold indicates roadway segment is operating at unacceptable LOS (LOS E or LOS F).

Larkspur

Local roadway segment LOS under 2040 Baseline Conditions is summarized in **Table 19**.

As shown in **Table 19**, both the eastbound and westbound directions of Sir Francis Drake Boulevard are anticipated to operate at unacceptable LOS (LOS F).

Table 19: Roadway Segment Level of Service – 2040 Baseline Conditions (Larkspur)

Roadway	Direction	Existing Conditions				2040 Baseline Conditions			
		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c
Sir Francis Drake Boulevard	EB	F	1.05	F	1.05	F	1.74	F	1.05
	WB	C	0.80	D	0.80	D	1.21	F	0.80

Source: AECOM, 2014.

Notes:

Bold indicates roadway segment is operating at unacceptable LOS (LOS E or LOS F).

3.3 Transit Conditions

As stated in Section 1.0, the analysis of 2040 Baseline Conditions assumes the completion and operation of SMART’s IOS from Santa Rosa to San Rafael. As described in Section 1.2, SMART would contract out connecting shuttle services at the Downtown San Rafael Station and the proposed Larkspur Station to provide timed connections with rail service in the southbound direction during the weekday AM peak period and in the northbound direction during the weekday PM peak period. Two shuttle routes operating in one-way loops would be provided at the Downtown San Rafael Station, serving Downtown San Rafael and the commercial strips along Francisco Boulevard East and Francisco Boulevard West, while one shuttle route would be provided out of the proposed Larkspur Station, serving four major activity centers—the Larkspur Landing shopping center, San Quentin Prison / Marin County Mart and nearby offices, Marin General Hospital, and the College of Marin.

The *Downtown San Rafael Station Area Plan* includes near-term improvement recommendations for the Bettini Transit Center, such as the reconstruction of Platform D to provide additional bus ROW and the provision of additional passenger loading zones to accommodate taxis and kiss-and-ride activity. These recommendations consist of physical improvements to the Bettini Transit Center and are not anticipated to materially affect existing transit operations or ridership.

Transit improvement recommendations included in the *Larkspur Station Area Plan* include the provision of new regional and local bus stops at the Sir Francis Drake Boulevard / US 101 interchange.

Forecasted transit ridership in the vicinity of the Project site for a 2035 horizon year as forecasted by the MTC’s BAYCAST travel demand model is summarized in **Table 20**.

3.4 Bicycle Conditions

3.4.1 Downtown San Rafael

The *Downtown San Rafael Station Area Plan* proposes various improvements to the existing bicycle network:

- Creation of a southbound Class 2 bike lane along the west side of Tamalpais Avenue from Second Street to Fourth Street;
- Designation of a northbound Class 3 bike route on East Tamalpais Avenue from Fourth Street to Mission Avenue; and,
- Inclusion of a bicycle parking facility to be shared by the Bettini Transit Center and the SMART station. SMART proposes the provision of six bicycle racks and eight bicycle lockers.

Table 20: Forecasted Transit Ridership (2035)

Route	Direction	Forecasted Ridership (2035)			
		Peak	Off-Peak	Total	
Bus Services					
<i>Marin County Local Route</i>					
29	Manor – San Anselmo – College of Marin – Marin General Hospital – Larkspur Landing – San Rafael	SB	449	553	1,002
<i>Subtotal</i>			449	553	1,002
<i>Basic Bus Route</i>					
70	San Francisco – Marin City – San Rafael – Novato	NB	109	35	144
		SB	400	1,173	1,573
80	San Francisco – Marin City – San Rafael – Novato – Petaluma – Cotati – Rohnert Park – Santa Rosa	NB	1,091	573	1,664
		SB	2,455	1,065	3,520
<i>Subtotal</i>			4,055	2,846	6,901
<i>Commute Bus Route</i>					
27	San Francisco – San Rafael – San Anselmo	SB	218		218
44	San Francisco – San Rafael – Lucas Valley – Marinwood	SB	146		146
<i>Subtotal</i>			364		364
Ferry Services					
Larkspur Ferry			12,667	79	12,746
<i>Subtotal</i>			12,667	79	12,746
Rail Services					
SMART (Initial Operating Segment)		NB	2,946		2,946
		SB	2,272		2,272
<i>Subtotal</i>			5,218		5,218
Total			22,753	3,478	26,231

Source: MTC BAYCAST Model.

3.4.2 Larkspur

Changes to the bicycle network proposed in the *Larkspur Station Area Plan* involve closing gaps in the existing bicycle network, creating accessibility, improving wayfinding signage, and providing convenient and secure bicycle parking. The following are bicycle (and pedestrian) network improvements included as part of the approved projects discussed in the *Larkspur Station Area Plan* (the Central Marin Ferry Connection project and improvements identified in the *San Quentin Bicycle and Pedestrian Access Study* [February 2011]):

- Construction of a pedestrian / bicycle bridge across Sir Francis Drake Boulevard to connect the southern terminus of the Cal Park Hill Tunnel to the south side of Sir Francis Drake Boulevard. This overpass will provide connections from the Cal Park Hill Tunnel and the proposed SMART terminus to the Larkspur Ferry Terminal and locations to the south of Corte Madera Creek.
- Creation of a new Class 1 bikeway (multi-use path) or Class 2 bikeway (bike lanes) along Sir Francis Drake Boulevard between Larkspur Landing and Andersen Drive.
- Installation of a new signal or undercrossing at Sir Francis Drake Boulevard / Andersen Drive.

- Extension of the multi-use pathway along the railroad ROW or US 101 off-ramp to Wornum Drive to connect with the existing multi-use trails at Wornum Drive and Redwood Highway.
- Implementation of improvements to crossings on Sir Francis Drake Boulevard at Larkspur Landing Circle (West), including a pedestrian countdown signal, median refuge, wayfinding signage, and bicycle detection.

In addition to these approved plans, the following improvement is under consideration for funding by MTC as part of proposed studies by the Transportation Authority of Marin:

- Widening of the existing pedestrian / bicycle path across Corte Madera Creek adjacent to the northbound off-ramp to Sir Francis Drake Boulevard, to allow the provision of a 10- to 12-foot Class 1 multi-use pathway.

3.5 Pedestrian Conditions

3.5.1 Downtown San Rafael

Various improvements are planned at the Downtown San Rafael Station to promote transit use, as discussed in the *Downtown San Rafael Station Area Plan*. These improvements are summarized below:

- Sidewalk widening on Tamalpais Avenue and at the Fourth Street / Tamalpais Avenue intersection;
- Sidewalk widening along the frontages of various redevelopment parcels identified in the *Downtown San Rafael Station Area Plan*;
- Installation of additional barriers and fencing along Third Street between Tamalpais Avenue and Hetherton Street to prohibit jaywalking and direct pedestrians to adjacent crosswalks;
- Installation of pedestrian wayfinding signage to highlight recommended pedestrian routes from the transit center to other destinations within the surrounding area;
- Relocation of the north-south crosswalk at the Hetherton Street / Third Street intersection;
- Improvement of crossings and sidewalks on Second Street and Third Street;
- Improvement of pedestrian connections underneath US 101;
- Improvement of sidewalks along the east side of Hetherton Street;
- Construction of the Canal Paseo multi-use path along the south side of Second Street from Irwin Street to Hetherton Street in the near-term, and later extension of the pathway to Francisco Boulevard and Mahon Creek Path in the long-term; and,
- Installation of pedestrian countdown timers at all crosswalks across Third Street at Hetherton Street and Tamalpais Avenue.

3.5.2 Larkspur

In addition to the shared bicycle–pedestrian improvements discussed in section 3.4.2, the *Larkspur Station Area Plan* proposes the following improvements to enhance pedestrian conditions within the vicinity of the Project:

- Improvement of the visibility of pedestrians around Sir Francis Drake Boulevard and local schools;
- Construction of new sidewalk along the north side of Sir Francis Drake Boulevard underneath US 101;

- Completion of missing sidewalks on Larkspur Landing Circle, as well as the separation of the pedestrian walkway from the roadway with a planting strip where possible; and,
- Provision of additional crosswalks so that each intersection along the circle has four-way crossing indicators.

These improvements are expected to increase pedestrian safety and improve overall pedestrian connectivity within the vicinity of the Project.

3.6 Parking Conditions

3.6.1 Downtown San Rafael

The *Downtown San Rafael Station Area Plan* proposes the following changes to the existing parking conditions within the vicinity of the Project:

- Removal of 56 on-street parking spaces (26 parking spaces from The Whistlestop and 30 spaces from the SMART ROW) to accommodate the SMART IOS;
- Removal of five parking spaces at the south end of the Bettini Transit Center;
- Construction of a new municipal parking garage;
- Introduction of strategies to encourage the use of public parking (electronic meters, signage etc.) and protection of residential neighborhood parking through use of residential parking permit districts;
- Management of parking demand through pricing;
- Encouragement of shared use of off-street parking between land uses (daytime use by office or retail / commercial uses and nighttime use by residential land uses); and,
- Implementation of priority parking for electric vehicle parking.

3.6.2 Larkspur

To accommodate forecasted parking demand, the *Larkspur Station Area Plan* proposes an increase of 660 parking spaces (190 parking spaces at the Larkspur Landing Offices / Cinema development parcel and 470 parking spaces to be located at the Marin Country Mart) to the existing parking supply directly adjacent to the Project. The *Larkspur Station Area Plan* also recommends the implementation of various strategies to alleviate future parking demand, specifically at the Larkspur Ferry Terminal, including the following recommendations under consideration:

- Encouragement of alternative modes of transportation through various strategies, including those described in Section 3.4.2 and 3.5.2;
- Requirement of unbundled parking for offices and housing units;
- Implementation of parking pricing for all on- and off-street short-term parking;
- Coordination with the GGBHTD on the implementation of parking management policies and programs at the Larkspur Ferry Terminal.
- Introduction of complementary measures to parking pricing programs such as the creation of residential parking permit zones, establishment of parking benefit districts, and enforcement of parking cash-out programs if employers offer subsidized parking to employees.

4.0 Project Travel Demand

Travel demand refers to the new vehicle, transit, bicycle, and pedestrian trips that would be generated by the Project, and was calculated based on information contained in the MTC BAYCAST travel demand model. Detailed travel demand calculations are presented in **Appendix D**.

4.1 Methodology

The estimated trip generation for the Project is based on SMART ridership projections at the two stations as forecasted by the BAYCAST travel demand model.

4.1.1 Trip Generation

The methodology used to estimate the Project’s trip generation is consistent with that used in the *DEIR*, and is based on projections of boardings and alightings at the two stations in Downtown San Rafael and Larkspur. The MTC BAYCAST model assumes a 2035 horizon year, so per-annum growth rates for station boardings and alightings were developed by comparing these 2035 projections against the 2025 ridership projections from the *DEIR*. Ridership was then extrapolated out to a 2040 horizon year assuming these growth rates. The Project’s trip generation is summarized in **Table 21**.

Table 21: Trip Generation – New Person-Trips

Forecast Scenario	Peak Period Boardings and Alightings per Day	
	Downtown San Rafael	Larkspur
2040 Baseline	1,029	
2040 Baseline plus Project	1,030	222
Net New	1	222

Source: MTC BAYCAST Model; AECOM, 2014.

As mentioned previously, the Downtown San Rafael Station will be operational under the SMART IOS, and the Project, as analyzed in this study, concerns only the segment between Downtown San Rafael and Larkspur. As a result, Project-generated trips at the Downtown San Rafael Station, are expected to be negligible, as most riders at this station would have trip ends north of Downtown San Rafael.

4.1.2 Mode Split

The mode split for the Project was determined using outputs from the MTC BAYCAST model, which forecasts boardings and alightings at SMART stations for two modes—walk and drive. To determine the estimated vehicle-trips generated by the Project, it was assumed that kiss-and-ride passengers comprise ten percent of all drive-access boardings, with park-and-ride passengers comprising the remainder of boardings. Additionally, ten percent of all park-and-ride boardings were assumed to carpool to and from the station at an average vehicle occupancy (AVO) of two persons per vehicle. These assumptions are consistent with those used in the *DEIR*. The estimated person-trips and vehicle-trips generated by the Project at the proposed Larkspur Station are summarized in **Table 22**.

4.1.3 Trip Distribution / Assignment

The trips generated by the Project were distributed to the four Larkspur study intersections based on select link model runs that forecasted future travel patterns for new travel demand generated by the proposed Larkspur Station. The Project traffic volumes were added to 2040 Baseline Conditions traffic volumes to determine 2040 Baseline plus Project Conditions traffic volumes. The Project-generated traffic volumes and subsequent vehicle-trip distribution is summarized in **Figure 8**.

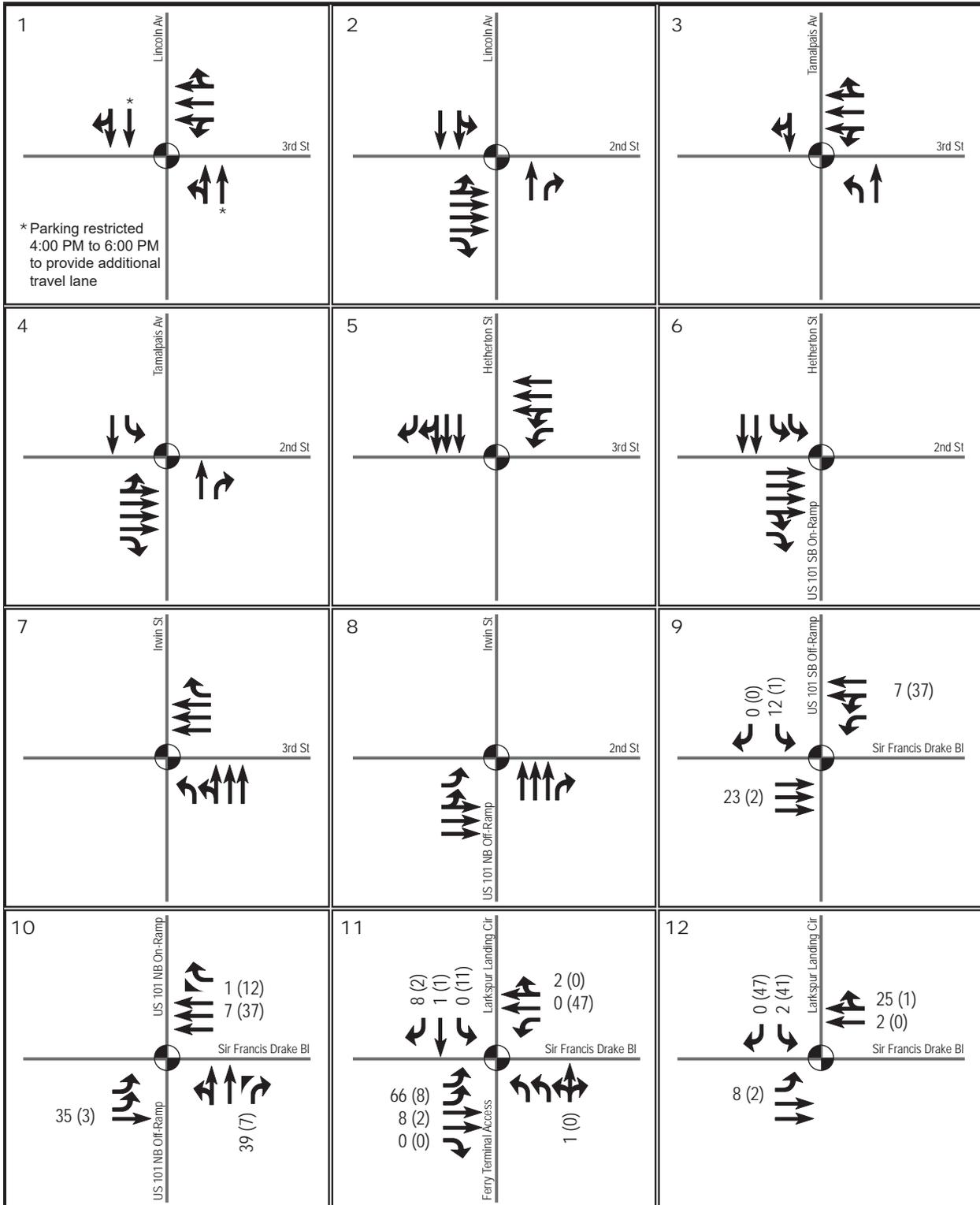
Table 22: Project Trips by Mode (Larkspur)

Direction	Person-Trips			Vehicle-Trips		
	Auto	Walk	Net New	Park-and-Ride	Kiss-and-Ride	Net New
Weekday AM Peak Hour						
Inbound	107	93	200	91	11	102
Outbound	0	0	0	0	11	11
Total	107	93	200	91	22	113
Weekday PM Peak Hour						
Inbound	0	0	0	0	11	11
Outbound	107	93	200	91	11	102
Total	107	93	200	91	22	113

Source: MTC BAYCAST Model; AECOM, 2014.

4.1.4 Parking Demand

The Project’s parking demand was assumed to be equivalent to the estimated number of park-and-ride vehicle-trips generated by the Project. As a result, the Project is estimated to create a parking demand of approximately 91 parking spaces at the proposed Larkspur Station.



LEGEND



AM Peak Hour Traffic Volume
 PM Peak Hour Traffic Volume
 xx (xx)

Figure 8
Project Vehicle-Trip Distribution

5.0 Impact Analysis

This chapter presents the assessment of transportation impacts due to the Project. The impacts were analyzed for five topics: traffic, transit, bicycles, pedestrians, and parking.

5.1 Regulatory Setting

The Project falls under the jurisdiction of the following regulatory planning documents:

- Regional Transportation Plan – *Transportation 2035 Plan for the San Francisco Bay Area: Change in Motion*;
- Marin County Congestion Management Program (CMP);
- Marin and Sonoma County Transportation Plans;
- City of San Rafael General Plan ; and,
- City of Larkspur General Plan.

The general plans published by the City of San Rafael and the City of Larkspur each include a transportation element that establishes acceptable LOS traffic standards. In particular, the City of San Rafael calls for LOS C as a general goal for peak hour operations, with exceptions for intersections in the downtown area (LOS E), highway interchanges and arterial intersections (LOS D), and Second Street and Third Street (LOS D). The City of Larkspur calls for a minimum standard of LOS D during the peak periods.

5.2 Impacts and Mitigation Measures

The significance criteria used in this study are generally consistent with those used in the *DEIR*. Where relevant, significance criteria were also referenced from recent environmental impacts reports, including the *Larkspur Station Area Plan EIR* for the City of Larkspur and the *San Rafael Airport Recreational Facility Draft Environmental Impact Report* (March 2009) for the City of San Rafael.

In accordance with the guidelines established in the California Environmental Quality Act (CEQA), Project-related effects on traffic and transportation are considered significant if these effects would result in the following conditions:

- An increase in traffic that is substantial in relation to the existing traffic load and capacity of the street system (i.e., a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio for roadway segments, or congestion at intersections);
- Exceedance, either individually or cumulatively, of the level of service (LOS) standard established by the county Congestion Management Agency or City of Larkspur for designated roads or highways;
- Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks;
- Substantially increase hazards due to a design feature (i.e., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment);
- Inadequate emergency access;
- Inadequate parking capacity; or,
- A conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks).

Unless otherwise noted, the significance criteria described below are derived from Appendix G of the State *CEQA Guidelines* and from Circulation Element Polyc D of the City of Larkspur General Plan, Circulation Element Policy D that established LOS D as the minimum acceptable threshold for signalized intersections and LOS C as the threshold for unsignalized intersections. The minimum LOS D operating standard is also consistent with prior traffic analyses conducted within the City of Larkspur. The TAM has developed LOS thresholds for freeway segments as part of their CMP.

5.2.1 Traffic Impact Criteria

The Project will result in a significant traffic impact at intersections if:

- It causes traffic to increase along Sir Francis Drake Boulevard, except if the Project involves singly-developed single-family homes or vacant properties;
- It causes a signalized intersection operating at an acceptable LOS (LOS D) with baseline traffic volumes to deteriorate to an unacceptable operation with the addition of Project traffic; or
- It causes delay at a signalized intersection operating at an unacceptable LOS with baseline traffic volumes to increase by five seconds or more with the addition of Project traffic.

The City of Larkspur does not have established criteria for roadway segments. As a result, the criteria for freeway segments as summarized in Section 5.2.2 were assumed in the evaluation of roadway segment impacts.

5.2.2 Freeway Segment Impact Criteria

The Project will result in a significant impact on roadway segments:

- If operations on US 101 deteriorate from LOS E or better under conditions without the Project to LOS F with the Project during the AM or PM peak hour; or,
- If the v/c ratio increases by 0.01 or more (i.e., one percent of the freeway segment capacity) with the Project if operations on US 101 are at an unacceptable LOS F without the Project during the AM or PM peak hour.

5.2.3 Transit Impact Criteria

A transit impact is considered significant if it would result in a significant unanticipated increase in transit patronage or result in development that is inaccessible to transit riders.

5.2.4 Bicycle Impact Criteria

A bicycle impact is considered significant if it would disrupt existing bicycle facilities; interfere with planned bicycle facilities; conflict or create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards; or fail to provide secure and safe bicycle parking in adequate proportion to anticipated demand.

5.2.5 Pedestrian Impact Criteria

A pedestrian impact is considered significant if it would disrupt existing pedestrian facilities, interfere with planned pedestrian facilities, or create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

5.2.6 Parking Impact Criteria

A parking impact is considered significant if it results in significant parking demand that would exceed the available supply of parking and result in off-site and indirect impacts such as noise and air quality impacts.

5.3 2040 Baseline plus Project Conditions

5.3.1 Traffic Impacts

Regional Access Roadways Operating Conditions

Regional access roadway segment LOS under 2040 Baseline plus Project Conditions are summarized in **Table 23**.

Table 23: Regional Access Roadway Segment Level of Service – 2040 Baseline plus Project Conditions (US 101)

Roadway	Direction	Existing Conditions				2040 Baseline Conditions				2040 Baseline plus Project Conditions			
		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c
US 101	NB	B	0.31	C	0.56	B	0.42	D	0.75	B	0.42	D	0.76
	SB	D	0.74	C	0.58	E	0.93	D	0.73	E	0.93	D	0.73

Source: AECOM, 2014.

Notes:

Bold indicates roadway segment is operating at unacceptable LOS (LOS E).

As shown in **Table 23**, both directions of US 101 in the vicinity of the Project site are expected to operate at acceptable conditions (LOS E or better) under 2040 Baseline plus Project Conditions.

Intersection Operating Conditions

Project-generated traffic volumes were added to 2040 Baseline Conditions traffic volumes to develop 2040 Baseline plus Project Conditions traffic volumes. These traffic volumes are summarized in **Figure 9**.

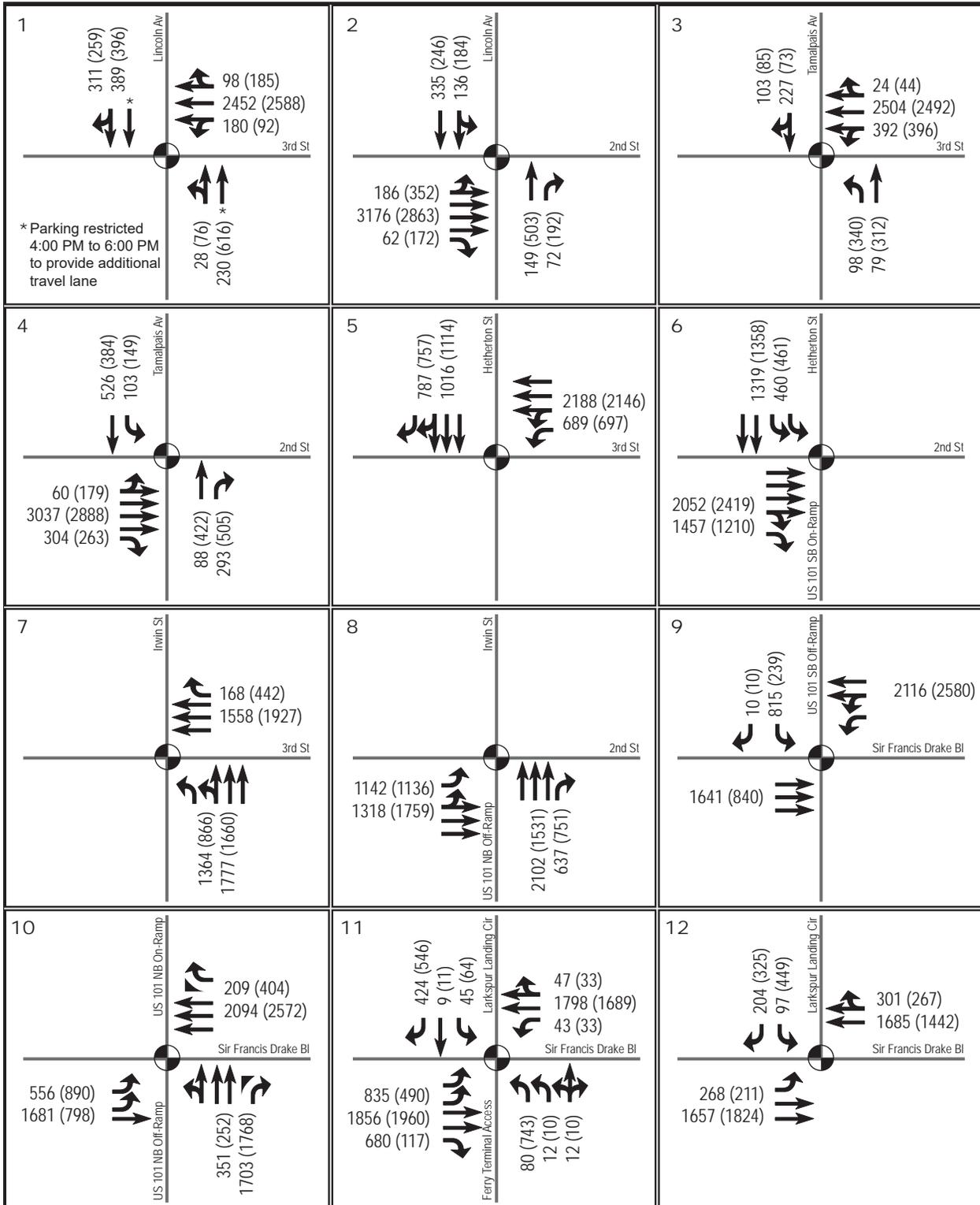
Downtown San Rafael

As described in Section 4.1.1, the Project is anticipated to result in a negligible increase in traffic volumes in Downtown San Rafael. As a result, intersection operations under 2040 Baseline plus Project Conditions would be similar to intersection operations under 2040 Baseline Conditions, as summarized in Section 3.2.2. The Project is not expected to result in impacts to intersections in Downtown San Rafael.

As shown in **Table 24**, one study intersection during the weekday AM peak hour and two study intersections during the weekday PM peak hour would operate at unacceptable conditions (LOS E or LOS F) under 2040 Baseline plus Project Conditions:

- Sir Francis Drake Boulevard / US 101 Southbound Ramps (weekday AM peak hour);
- Sir Francis Drake Boulevard / US 101 Northbound Ramps (weekday PM peak hour); and,
- Sir Francis Drake Boulevard / Larkspur Landing (West) (weekday PM peak hour).

In each of these cases, however, the intersections would already operate at unacceptable conditions without the Project, and delay associated with Project-generated traffic would not represent an increase of five seconds or more in average delay. While there would be a minor increase in traffic on Sir Francis Drake Boulevard under 2040 Baseline plus Project Conditions, the Project involves the reuse and repurposing of vacant, undeveloped land and ROW. As such, the Project is not expected to have a significant impact at any of the study intersections.



LEGEND



AM Peak Hour Traffic Volume
 PM Peak Hour Traffic Volume
 xx (xx)

Figure 9
 Intersection Lane Geometry and Traffic Volumes -
 2040 Baseline Plus Project Conditions

Larkspur

Weekday AM and PM peak hour intersection LOS under 2040 Baseline plus Project Conditions for the Larkspur study intersections are summarized in **Table 24**.

Table 24: Intersection Level of Service – 2040 Baseline plus Project Conditions (Larkspur)

Intersection		Existing Conditions		2040 Baseline		2040 Baseline plus Project							
		Weekday AM Peak Hour	Weekday PM Peak Hour	Weekday AM Peak Hour	Weekday PM Peak Hour	Weekday AM Peak Hour	Weekday PM Peak Hour						
		LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾				
9	Sir Francis Drake / US 101 SB	B	19.5	B	13.7	E	55.2	B	16.9	E	57.2	B	17.5
10	Sir Francis Drake / US 101 NB	B	18.8	C	32.9	D	48.2	F	83.3	D	49.1	F	87.0
11	Sir Francis Drake / Larkspur Landing (W)	C	24.0	D	36.0	D	42.3	E	61.4	D	44.4	E	66.0
12	Sir Francis Drake / Larkspur Landing (E)	A	8.2	B	13.6	D	35.2	D	43.9	D	37.5	D	52.2

Source: AECOM, 2014.

Notes:

Bold indicates intersection is operating at unacceptable LOS (LOS E or LOS F).

⁽¹⁾ Delay presented in seconds per vehicle.

Andersen Drive

As the Project alignment crosses Andersen Drive, the City of San Rafael’s analysis of the Recommended Alternative sought to identify any potential traffic impacts that may be associated with the proposed improvements to the at-grade crossing at this location. The results of this analysis are summarized in **Table 25**. As shown in **Table 25**, one intersection (Bellam Boulevard / Andersen Drive) is anticipated to operate at unacceptable LOS (LOS E). However, the City of San Rafael determined that although the level of service at the intersection of Bellam Boulevard / Andersen Drive will drop from LOS D to LOS E, there will only be a negligible increase in intersection delay (1.5 seconds). As a result, the Project is not expected to result in any impacts to traffic conditions at and in the vicinity of the Andersen Drive crossing.

Table 25: Intersection Level of Service – Existing plus Recommended Alternative Conditions (Andersen Drive)

Intersection	Control	Existing plus Recommended Alternative Conditions			
		Existing Conditions		Existing plus Recommended Alternative Conditions	
		LOS	Delay ⁽¹⁾	LOS	Delay ⁽¹⁾
Francisco Boulevard West / US 101 SB Ramps	Signal	C	30.8	C	34.2
Andersen Drive / Francisco Boulevard West	Signal	C	29.6	C	29.9
Andersen Drive / Old US 101 SB Ramps	Signal	A	0.9	A	0.9
Bellam Boulevard / Andersen Drive	Signal	D	53.5	E	55.0
Andersen Drive / DuBois Street	Signal	C	31.6	D	40.1

Source: AECOM, 2014.

Notes:

Bold indicates intersection is operating at unacceptable LOS (LOS E or LOS F).

⁽¹⁾ Delay presented in seconds per vehicle.

Roadway Segment Operating Conditions

Downtown San Rafael

As described in Section 4.1.1, the Project is anticipated to result in a negligible increase in traffic volumes in Downtown San Rafael. As a result, roadway segment operations under 2040 Baseline plus Project Conditions would be similar to roadway segment operations under 2040 Baseline Conditions, as summarized in Section 3.2.3. The Project is not expected to result in impacts to roadway segments in Downtown San Rafael.

Larkspur

Local roadway segment LOS under 2040 Baseline plus Project Conditions for Sir Francis Drake Boulevard is summarized in **Table 26**.

Table 26: Roadway Segment Level of Service – 2040 Baseline plus Project Conditions (Larkspur)

Roadway	Direction	Existing Conditions				2040 Baseline Conditions				2040 Baseline plus Project Conditions			
		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour		Weekday AM Peak Hour		Weekday PM Peak Hour	
		LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c	LOS	v/c
Sir Francis Drake Boulevard	EB	F	1.05	F	1.06	F	1.74	F	1.35	F	1.77	F	1.35
	WB	C	0.80	D	0.85	F	1.21	F	1.54	F	1.21	F	1.57

Source: AECOM, 2014.

Notes:

Bold indicates roadway segment is operating at unacceptable LOS (LOS E or LOS F).

As shown in **Table 26**, both directions of Sir Francis Drake Boulevard are anticipated to operate at unacceptable LOS under 2040 Baseline plus Project Conditions during both the weekday AM and PM peak hours. In particular, the Project would increase the v/c ratio by approximately 0.03 in the eastbound direction during the weekday AM peak hour and in the westbound direction during the weekday PM peak hour, which would exceed the threshold of 0.01 established in the significance criteria for roadway segment impacts. As such, the Project would result in an impact to operations along Sir Francis Drake Boulevard for these specific directions and peak hours. Mitigation measures for this impact are discussed in Chapter 6.0.

5.3.2 Transit Impacts

Ridership projections with the Project for a horizon year of 2035 were extracted from the MTC BAYCAST travel demand model and are summarized in **Table 27**.

As shown in **Table 27**, while SMART ridership is expected to increase in 2035 with the Project, the Project would not result in material changes to ridership on other bus routes within the vicinity of the Project site. Additionally, SMART would provide shuttles as part of the Project, primarily serving SMART patrons at the “work” end of their trip. These shuttles would likely minimize any impacts to local bus service as a result of passengers transferring between bus and rail.

In addition, although GGBHTD and SMART would coordinate schedules for rail and ferry services at Larkspur, the Project is not expected to result in a material change in ferry ridership, as indicated in **Table 27**. During discussions between Golden Gate Transit planning staff and the preparers of the *DEIR*, Golden Gate Transit also indicated that sufficient capacity exists on most ferry trips to accommodate any projected ridership increase as a result of the Project. Given these considerations, the Project is not expected to have a significant impact on transit conditions.

Table 27: Forecasted Transit Ridership (2035 plus Project)

Route	Direction	Forecasted Ridership						
		2035 without Project			2035 with Project			
		Peak	Off-Peak	Total	Peak	Off-Peak	Total	
Bus Services								
<i>Marin County Local Route</i>								
29	Manor – San Anselmo – College of Marin – Marin General Hospital – Larkspur Landing – San Rafael	SB	449	553	1,002	372	553	925
<i>Subtotal</i>			449	553	1,002	372	553	925
<i>Basic Bus Route</i>								
70	San Francisco – Marin City – San Rafael – Novato	NB	109	35	144	121	35	156
		SB	400	1,173	1,573	400	1,173	1,573
80	San Francisco – Marin City – San Rafael – Novato – Petaluma – Cotati – Rohnert Park – Santa Rosa	NB	1,091	573	1,664	1,065	573	1,638
		SB	2,455	1,065	3,520	2,454	1,065	3,519
<i>Subtotal</i>			4,055	2,846	6,901	4,040	2,846	6,886
<i>Commuter Bus Route</i>								
27	San Francisco – San Rafael – San Anselmo	SB	218		218	218		218
44	San Francisco – San Rafael – Lucas Valley – Marinwood	SB	146		146	146		146
<i>Subtotal</i>			364		364	364		364
Ferry Services								
Larkspur Ferry					12,667	79	12,746	12,673
<i>Subtotal</i>					12,667	79	12,746	12,673
Rail Services								
SMART (Operating Segment)		NB	2,946		2,946	2,989		2,989
		SB	2,272		2,272	2,460		2,460
<i>Subtotal</i>					5,218		5,449	5,449
Total					22,753	3,478	26,231	22,898
						3,478		26,297

Source: MTC BAYCAST Model.

5.3.3 Bicycle Impacts

Downtown San Rafael

While various improvements to bicycle facilities are proposed as part of the *Downtown San Rafael Station Area Plan* as discussed in Section 3.4.1, the Project does not explicitly propose any changes to bikeways within the Project study area. To encourage bicycle use, however, the Project proposes to provide six bicycle racks and eight bicycle lockers at the Downtown San Rafael Station. The Project is not anticipated to disrupt existing bicycle facilities, interfere with planned bicycle facilities, or create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards. As a result, the Project is not expected to have a significant impact to bicycle conditions in Downtown San Rafael.

Larkspur

While various improvements to bicycle facilities are proposed as part of the *Larkspur Station Area Plan* as discussed in Section 3.4.2, the Project does not explicitly propose any changes to bikeways within the Project study area. To encourage bicycle use, however, the Project proposes to provide six bicycle racks and eight bicycle lockers at the Larkspur Station. The Project is not anticipated to disrupt existing bicycle facilities, interfere with planned bicycle facilities, or create

inconsistencies with adopted bicycle system plans, guidelines, policies, or standards. As a result, the Project is not expected to have a significant impact to bicycle conditions in Larkspur.

Andersen Drive

The analysis of grade crossing improvement alternatives by the City of San Rafael determined that there will be no impacts to bicycles. The proposed changes under the Recommended Alternative for the crossing would not disrupt existing bicycle facilities, interfere with planned bicycle facilities, or create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

5.3.4 Pedestrian Impacts

Downtown San Rafael

While various improvements to pedestrian facilities are proposed as part of the *Downtown San Rafael Station Area Plan* as discussed in Section 3.5.1, the Project does not explicitly propose any changes to pedestrian facilities within the Project study area. The Project is not anticipated to disrupt existing pedestrian facilities, interfere with planned pedestrian facilities, or create inconsistencies with adopted pedestrian system plans, guidelines, policies or standards. As a result, the Project is not expected to have a significant impact to pedestrian conditions in Downtown San Rafael.

Larkspur

As discussed in Section 3.5.2, the *Larkspur Station Area Plan* proposes various improvements to pedestrian facilities within the vicinity of the Project. However, the Project does not explicitly propose any changes to pedestrian facilities. The Project is not anticipated to disrupt existing pedestrian facilities, interfere with planned pedestrian facilities, or create inconsistencies with adopted pedestrian system plans, guidelines, policies or standards. As a result, the Project is not expected to have a significant impact to pedestrian conditions in Larkspur.

Andersen Drive

The analysis of grade crossing improvement alternatives by the City of San Rafael determined that there will be no impacts to pedestrians. The proposed changes under the Recommended Alternative for the crossing would not disrupt existing pedestrian facilities, interfere with planned pedestrian facilities, or create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

5.3.5 Parking Impacts

As mentioned in Section 4.1, for the purposes of this study, the Project-generated parking demand was estimated based on the model projections of park-and-ride patronage. The proposed changes to parking supply at both the Downtown San Rafael Station and proposed Larkspur Station are summarized in Section 3.6.

Downtown San Rafael

As described in Section 4.1.1, the Project is anticipated to result in a negligible increase in traffic volumes in Downtown San Rafael. As a result, the Project is expected to have a negligible effect on parking demand, and is not expected to result in impacts to parking conditions in Downtown San Rafael.

Larkspur

The Project's proposed supply of off-street vehicle parking was compared to the estimated Project-generated parking demand to determine if the Project would have a significant impact on parking conditions within the Project vicinity under 2040 Baseline plus Project Conditions, the results of this analysis are summarized in **Table 28**.

While the Project's proposed parking supply is not expected to meet the estimated Project parking demand, parking facilities in the surrounding area would be expected to have sufficient capacity to accommodate any overflow parking demand generated by the Project at the proposed Larkspur Station based on observed occupancy levels. As a result, the Project is not expected to have a significant impact to parking conditions in Larkspur.

Table 28: Parking Conditions – 2040 Baseline plus Project (Larkspur)

Land Use	Existing Conditions		2040 Baseline Conditions		2040 Baseline plus Project Conditions	
	Supply	Demand	Supply	Demand	Supply	Demand
SMART Station					77	91
Ferry Terminal	1,800	1,800	2,130	2,130	2,130	2,130
Larkspur Landing Offices / Cinema	630	610	820	820	820	820
Marin Airporter	340	260	340	260	340	260
Marin County Mart	810	640	1,280	1,280	1,280	1,280
Total	3,580	3,310	4,570	4,490	4,647	4,581

Source: *Larkspur Station Area Plan EIR*; AECOM, 2014.

Notes:

⁽¹⁾ Includes existing overflow parking demand from the Ferry Terminal and Marin Airporter parking demand.

5.3.6 Construction Impacts

The Project construction impacts discussed in this section are consistent with those identified in the *DEIR*.

The estimated construction timeframe for the Project is approximately 12 months, depending on any near-term changes to existing conditions and other concurrent construction activities in the study area. Trackwork would consist of replacement of ballast, ties, rail, and other track material in place. Most work would be completed with rail-mounted equipment, and all access for construction work would be taken from within the railroad ROW.

At-grade crossing rehabilitation would involve removal of the existing track, roadway, and old signals, and the installation of new track and crossing panels, new roadway approaches, drainage improvements, and new signal protection including signal system software. Construction work would be coordinated with the cities of San Rafael and Larkspur regarding the grade crossing shutdown schedule (if required) and traffic detour plans. Temporary detours related to construction activities would occur but would only be short-lived and generally not during peak traffic demand periods.

Roadway and at-grade crossing work at Francisco Boulevard West and Andersen Drive may potentially require occasional night work and / or closures. Based upon experience constructing similar crossings along the IOS, the needed time of closure would not likely exceed 48 hours.

Construction activities along the alignment would involve the use of heavy equipment for excavation, trenching, grading for roadway preparation, and soil compaction. Equipment to be used during construction could include excavators, mini-excavators, tamping equipment, cranes, pile drivers, small bulldozers, and dump trucks. Some of the rail-specific equipment would be trucked to the site, placed upon rails, and then moved down the tracks as construction proceeds.

Since the proposed Larkspur Station site is located on the edge of existing commercial uses, street closures and other potential disruptions would not be required during station construction. Prior to the actual commencement of construction, there would be an initial mobilization of equipment, construction office space, delivery and storage of construction materials, and the erection of perimeter fencing around the site for public safety and security.

Rehabilitation of the railway and the installation of associated components would be expected to take approximately six months, depending upon the time of year that construction is initiated. If construction activities were interrupted by periods of heavy rain, the overall construction timeline could be lengthened accordingly.

Temporary or short-term impacts would occur on US 101, local roadways, and circulation at station sites (e.g., potential increase in traffic delays and roadway closures). Heavy equipment and materials would be required to be transported to and from each construction site. Workers driving to the construction site would also add traffic to the local and regional

street network. A designated construction staging area is located at the end of the proposed railway track, and within the Project ROW. The average duration the staging site would be used depends on the construction sequencing and type of construction.

SMART proposes a construction phasing / sequencing and traffic management plan that will be developed and implemented by the contractor to minimize impacts during construction. This plan would define each construction operation, approximate duration, and the necessary traffic controls to maintain access for vehicles. The plan will require the movement of heavy equipment and transport materials during off-peak travel demand periods. To reduce the effect on parking supply, the plan will encourage workers to carpool and use public transit. To address safety issues, clearly defined access for non-motorized modes will be maintained during construction. Staging areas will be fenced and signed. Where roadways and sidewalks are impassable for bicycles and pedestrians, safe alternate routes and pathways will be signed and maintained during construction. This plan will be coordinated with Marin County, local jurisdictions, fire and police departments, and transit providers.

The construction related impacts are not expected to be significant since the impacts would occur for a short period of time and occur during the low traffic demand periods of the day. Generally, construction work would start before the morning peak and end before the evening peak period. On occasions where roadway facilities must be closed, the closures would generally occur during the night-time or low vehicle demand hours.

Given these considerations, any construction-related impacts would be considered less-than-significant.

6.0 Mitigation and Improvement Measures

This chapter presents the transportation mitigation measures that would be required to reduce the impacts of the Project.

6.1 2040 Baseline plus Project Conditions

6.1.1 Mitigation Measures

Roadway Segment Operations

The eastbound direction of Sir Francis Drake Boulevard during the weekday AM peak hour and the westbound direction of Sir Francis Drake Boulevard during the weekday PM peak hour would operate at LOS F with and without the addition of Project-generated traffic, and the Project would increase the v/c ratio by more than 0.01. As such, the Project would result in an impact to operations along Sir Francis Drake Boulevard for these specific directions and peak hours.

To mitigate this impact, Sir Francis Drake Boulevard could be widened with a third lane in each direction, which would fully mitigate the Project impact by improving operations to better conditions than under 2040 Baseline Conditions without the Project. However, widening Sir Francis Drake Boulevard may be infeasible in some locations due to geometric, physical, and / or environmental constraints. Widening may also conflict with potential planned improvements for bikeway and pedestrian facilities along Sir Francis Drake Boulevard. In addition, such improvements would fall under the jurisdiction of other entities, potentially including the City of Larkspur and Caltrans. As a result, SMART, as the Project Applicant, would not have control over timing or implementation of any such mitigation measures. Given these considerations, mitigation of this impact is considered infeasible, and this impact would remain **potentially significant and unavoidable**.

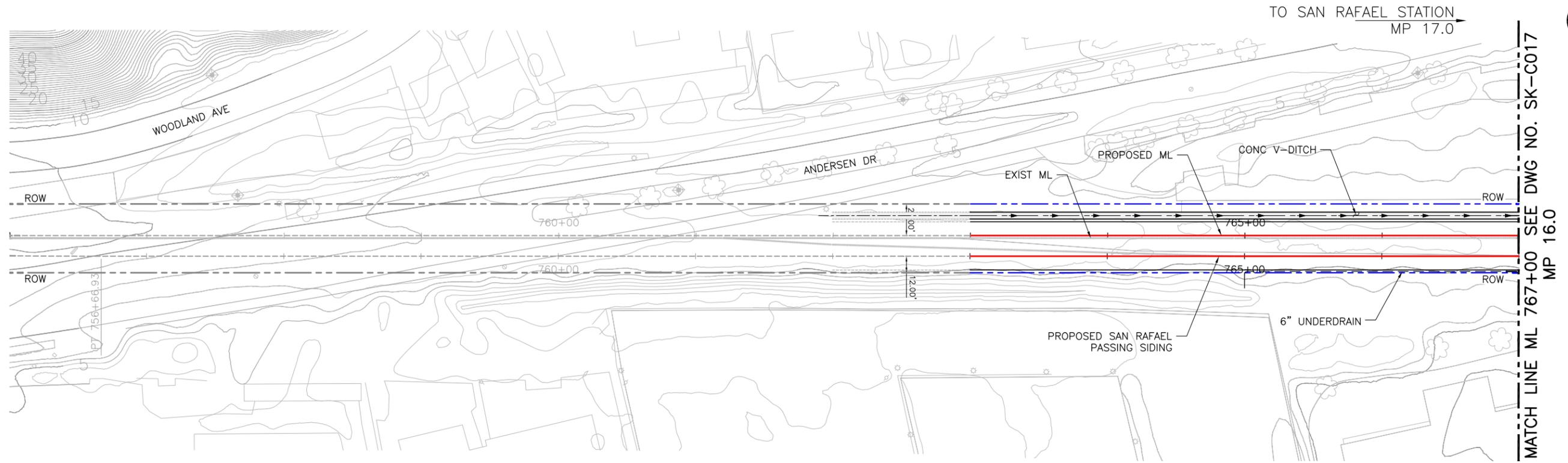
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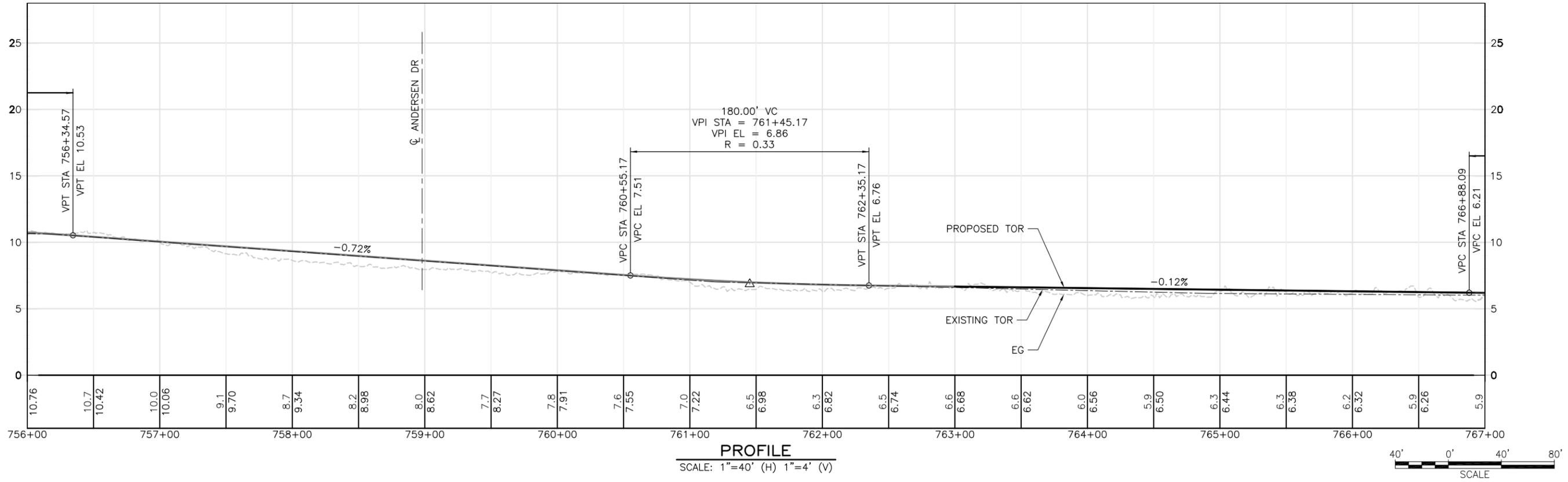
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APPENDIX G

Alignment Plans



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' (H) 1"=4' (V)

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REV	DATE	BY	SUB	APR	DESCRIPTION



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CHECKED BY
J. MAHER
IN CHARGE
J. MAHER
DATE
JUL 22, 2013

PRELIMINARY NOT FOR CONSTRUCTION

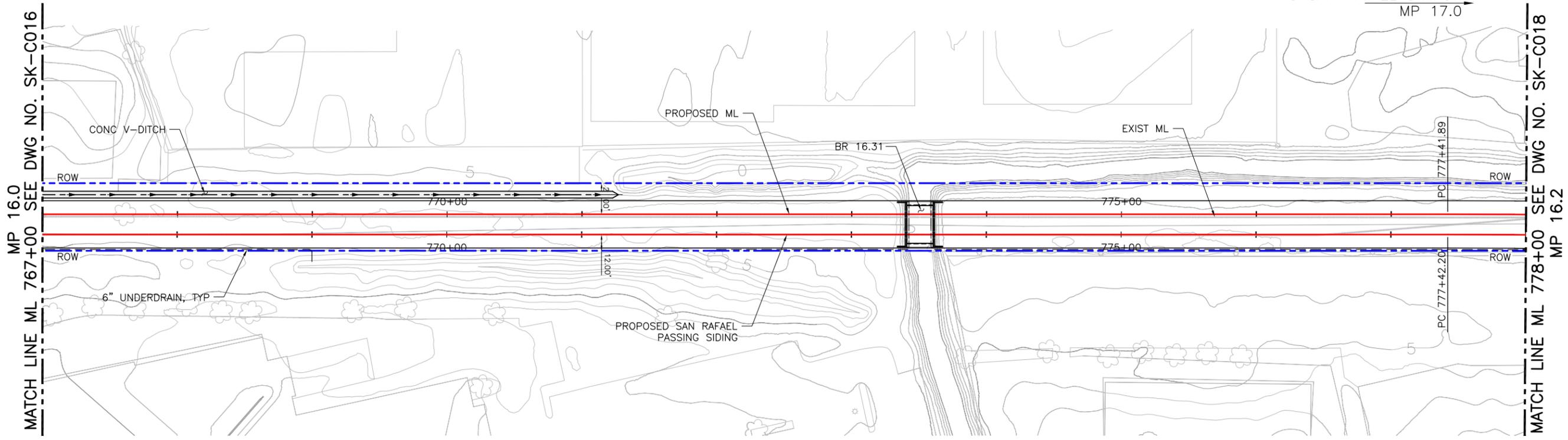


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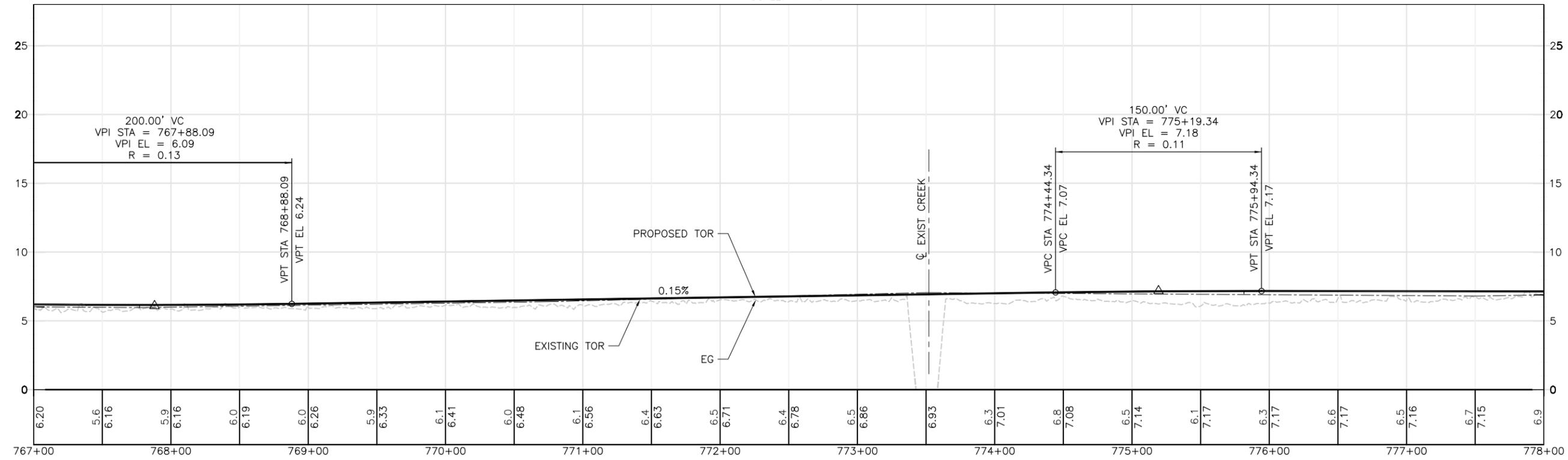
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TO SAN RAFAEL STATION
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PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' (H) 1"=4' (V)



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JUL 22, 2013

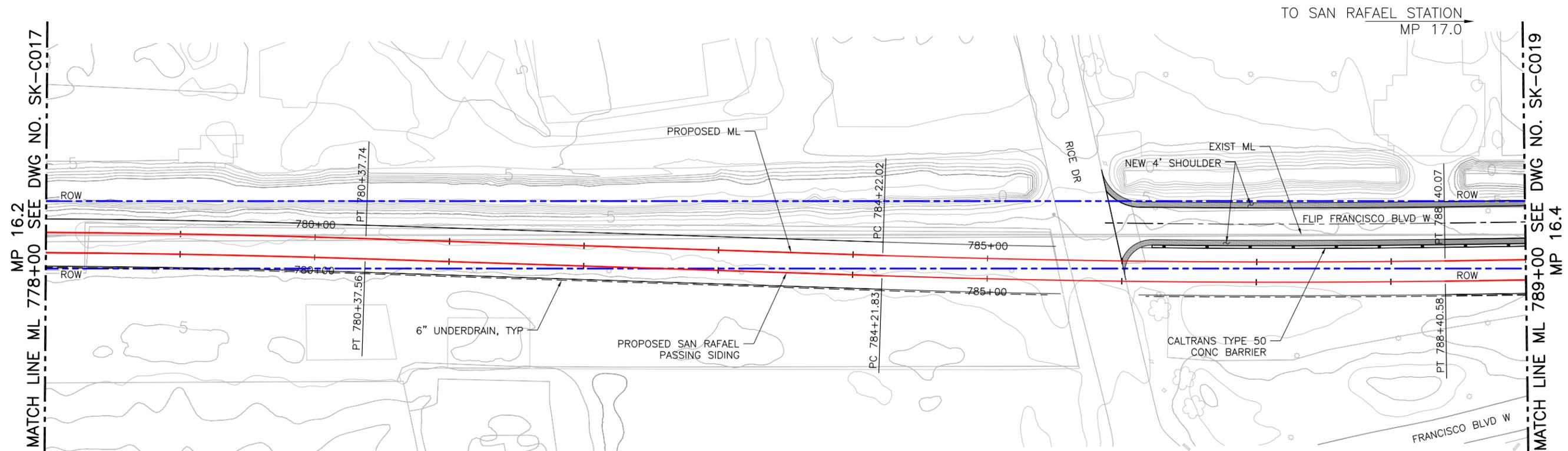
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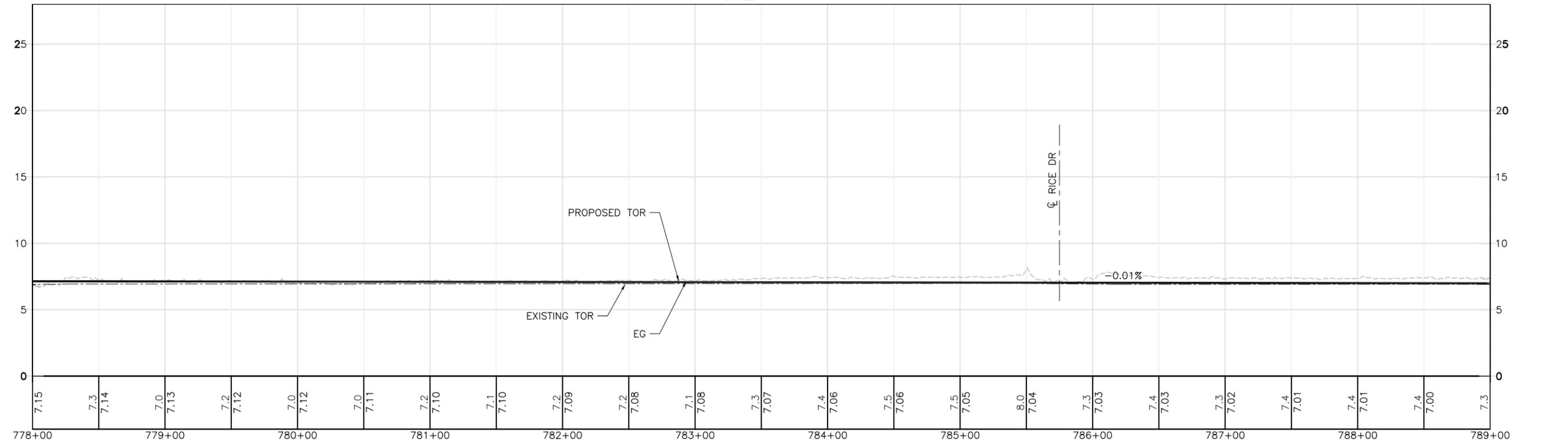
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PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' (H) 1"=4' (V)

REV	DATE	BY	SUB	APR	DESCRIPTION

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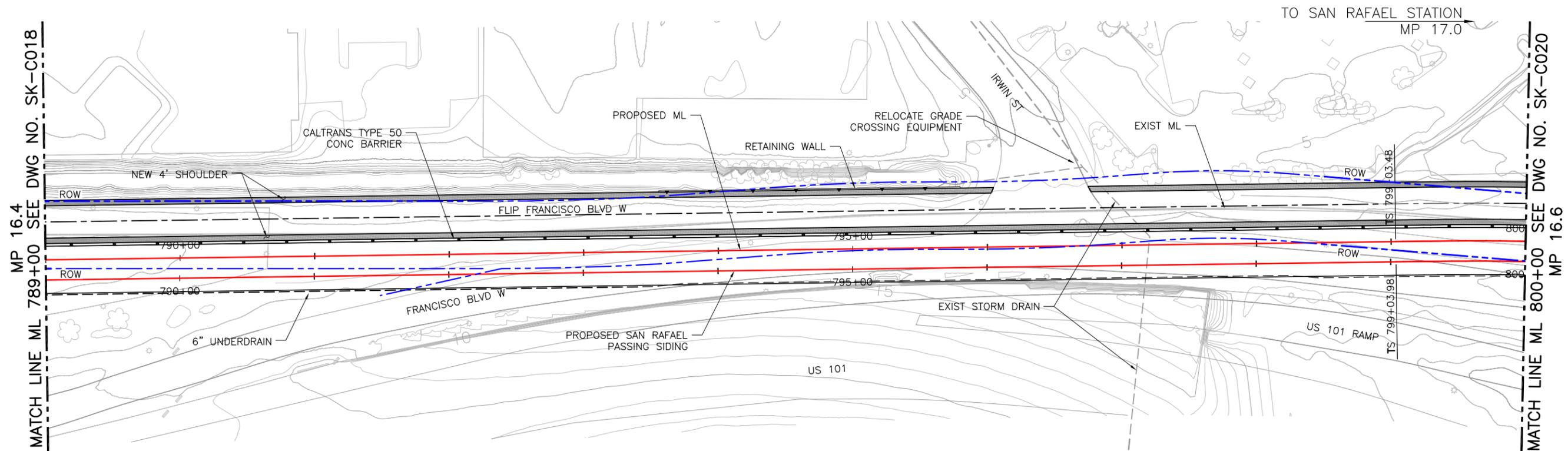
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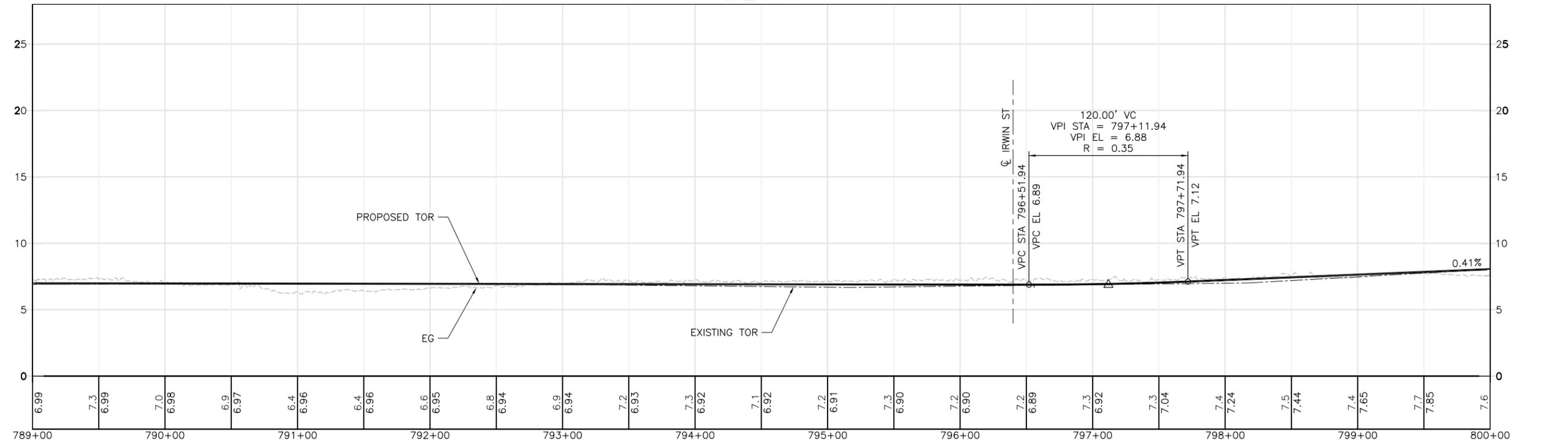
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PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' (H) 1"=4' (V)

REV	DATE	BY	SUB	APR	DESCRIPTION

AECOM TRANSPORTATION
AECOM USA, Inc.
 2101 Webster St., Suite 1900
 Oakland, CA 94612
 T 510.622.6600 F 510.834.4303
 www.aecom.com

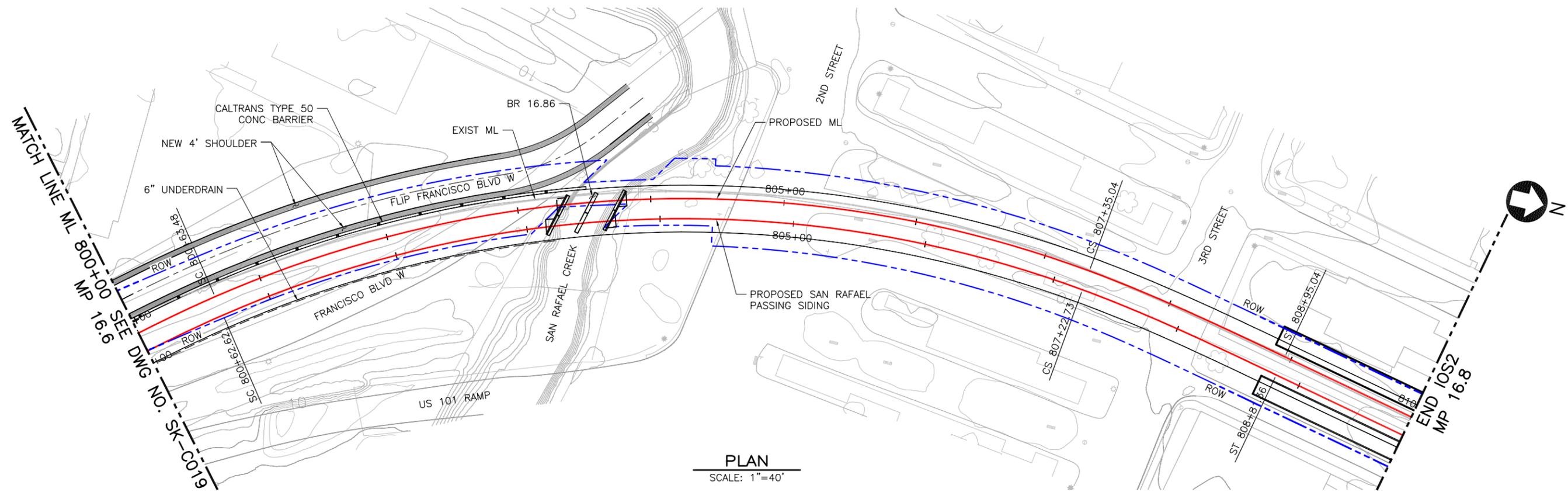
PREPARED BY
L. DIFUNTORUM
 DRAWN BY
L. DIFUNTORUM
 CHECKED BY
J. MAHER
 IN CHARGE
J. MAHER
 DATE
JUL 22, 2013

PRELIMINARY NOT FOR CONSTRUCTION

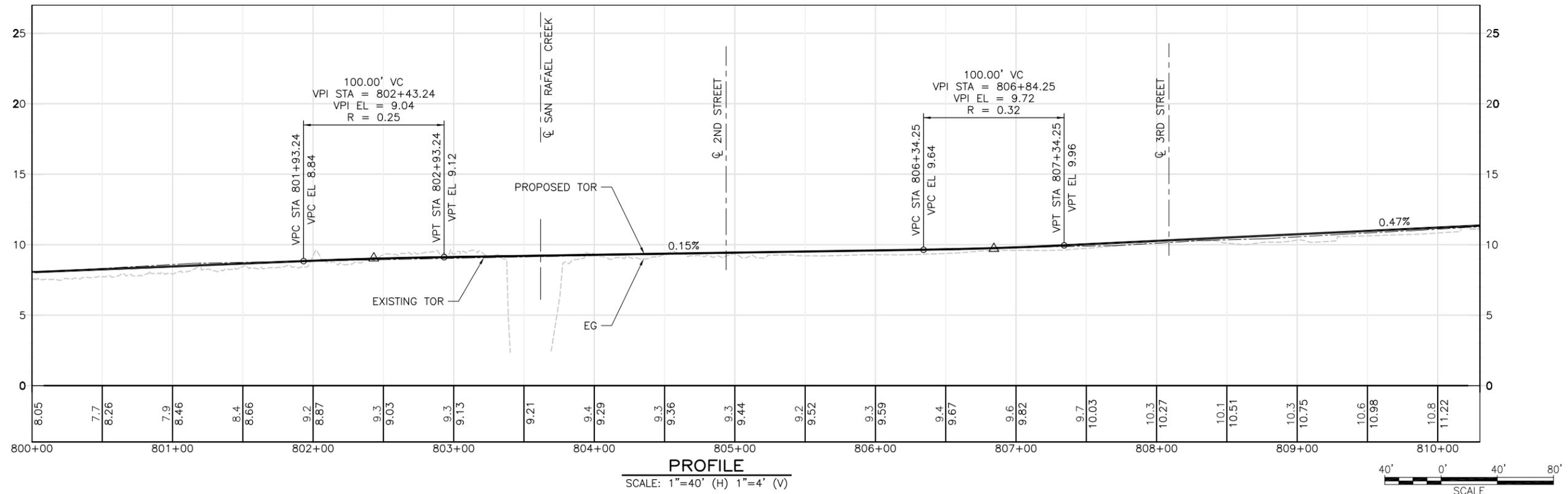


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PLAN
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PROFILE
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AECOM TRANSPORTATION
AECOM USA, Inc.
 2101 Webster St., Suite 1900
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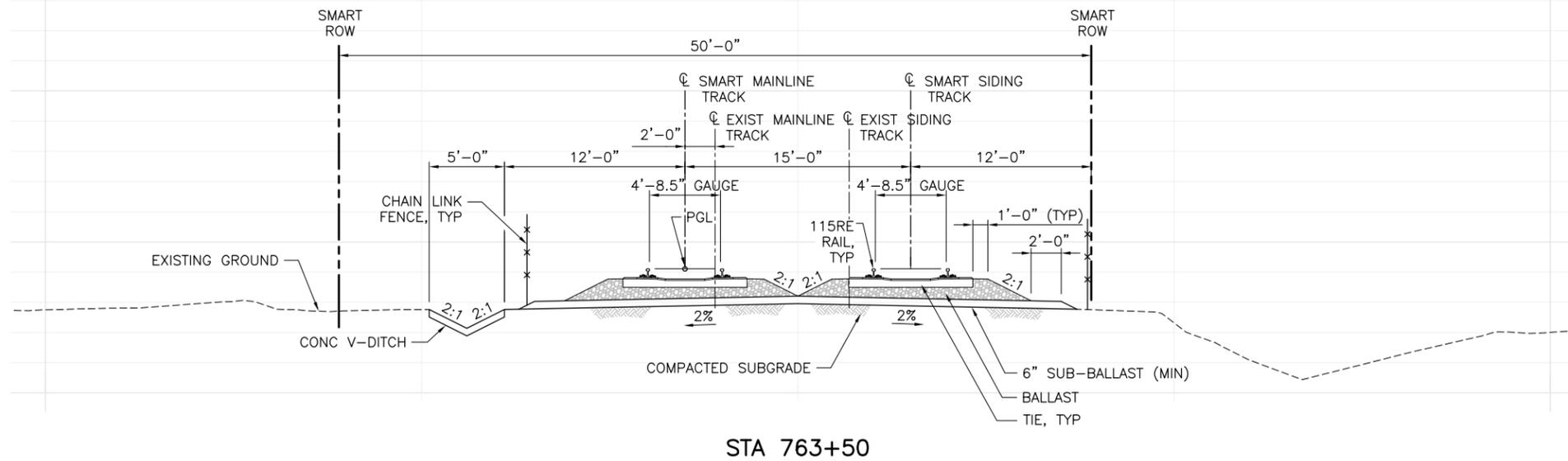
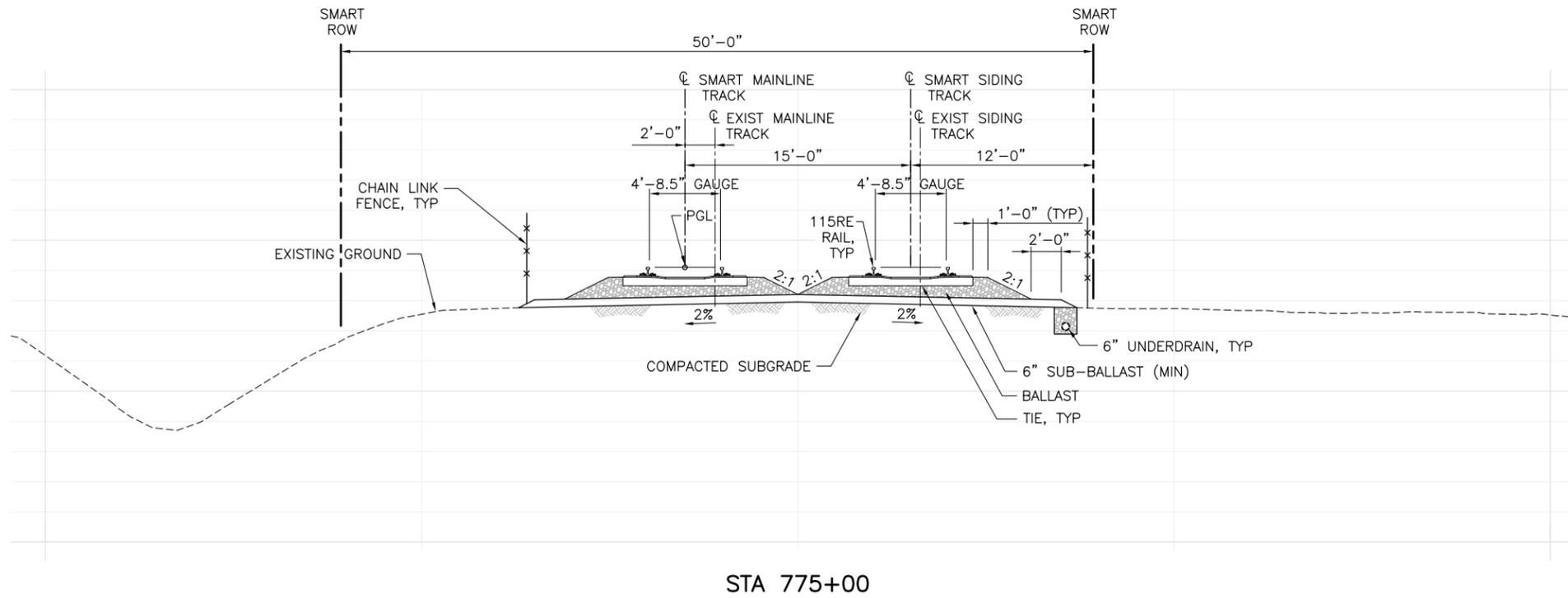
PREPARED BY
L. DIFUNTORUM
 DRAWN BY
L. DIFUNTORUM
 CHECKED BY
J. MAHER
 IN CHARGE
J. MAHER
 DATE
JUL 22, 2013

PRELIMINARY NOT FOR CONSTRUCTION



FRANCISCO BLVD WEST "FLIP"
 PLAN & PROFILE
 ML 800+00 TO 810+00
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DWG. NO. SK-C020	MILEPOST



FRANCISCO BLVD WEST ALIGNMENT
DOUBLE TRACK SECTION



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REV	DATE	BY	SUB	APR	DESCRIPTION

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DATE
SEP 10, 2013

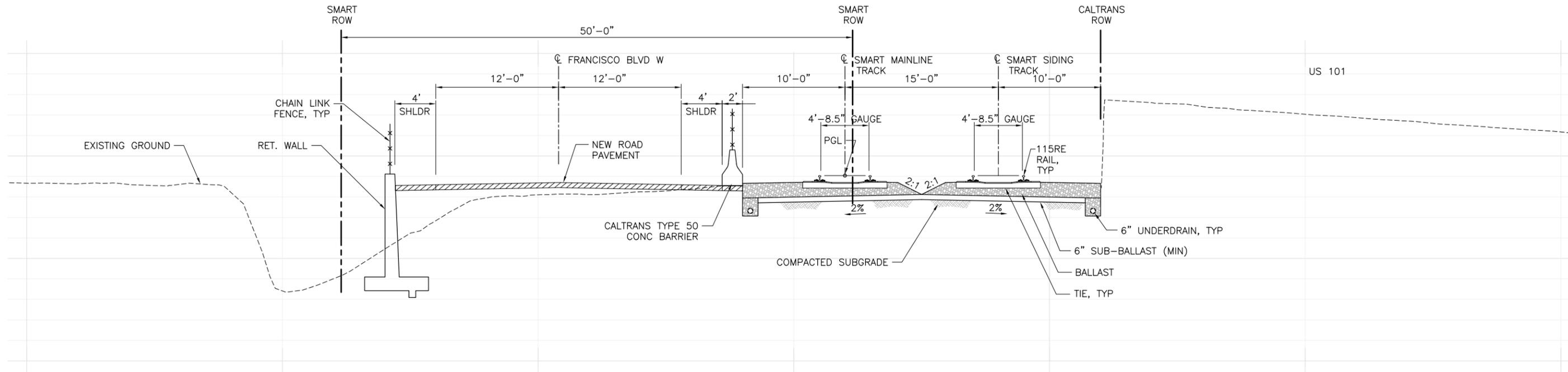
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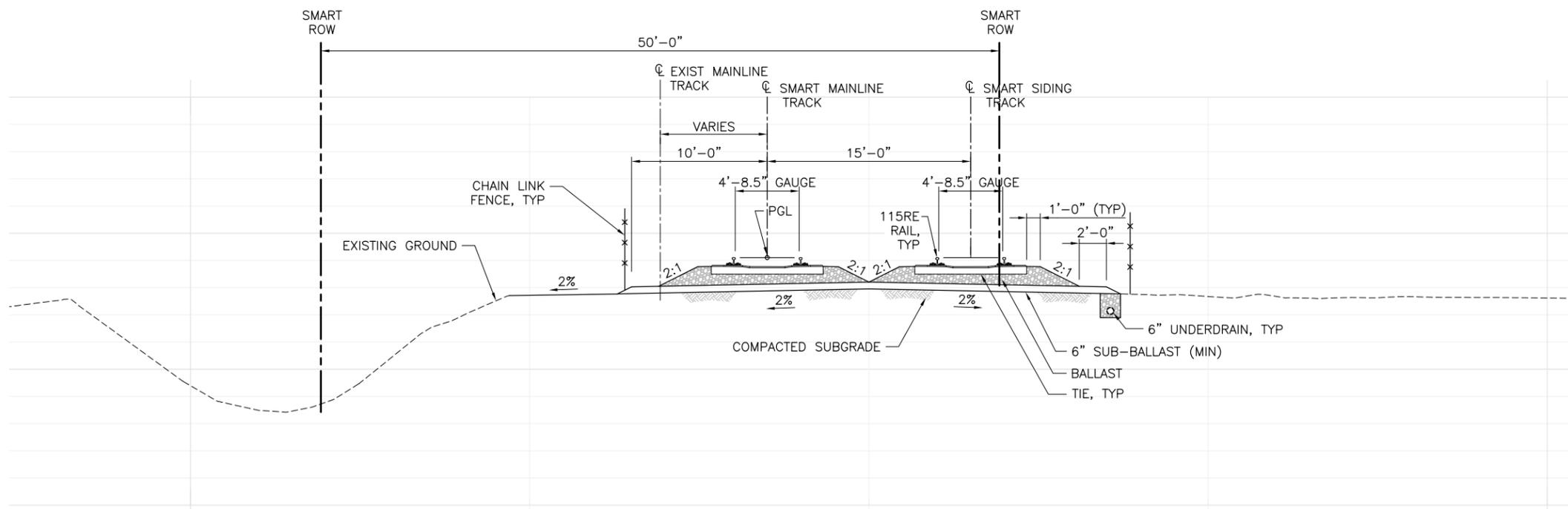
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NON-FLIP AND FLIP ALIGNMENT
TRACK SECTION

SHEET

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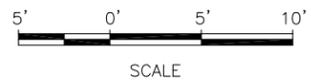


STA 795+25



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FRANCISCO BLVD WEST "FLIP" ALIGNMENT
DOUBLE TRACK SECTION



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REV	DATE	BY	SUB	APR	DESCRIPTION

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J. MAHER

DATE
SEP 10, 2013

PRELIMINARY NOT FOR CONSTRUCTION



FRANCISCO BLVD WEST
FLIP ALIGNMENT
TRACK SECTION

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SCALE AS NOTED	CONTRACT NO.
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APPENDIX H

Applicable EIR Mitigation Measures

APPENDIX H – APPLICABLE EIR MITIGATION MEASURES

The entire SMART project, from Cloverdale to Larkspur, was reviewed under the California Environmental Quality Act (CEQA) in an Environmental Impact Report (EIR) in 2005. A Supplemental EIR that assessed specified changes to the project was prepared and certified in 2008. The EIRs both prescribed mitigation measures that would be implemented during the construction and operation of all phases of the SMART project. These measures have been incorporated into the SMART project's construction and operation protocols and, where applicable, will be identified as being incorporated into the Proposed Action for purposes of mitigating identified potential effects of the Proposed Action. Both EIRs and the measures prescribed therein are incorporated by reference within this EA. For the convenience of the reader, those measures that are applicable to the Proposed Action are listed below alphabetically by issue area.

3.8.1 Aesthetics

2005 EIR

- Mitigation Measure V-1: SMART shall install temporary fencing where views from adjacent residences are adversely affected during construction. These areas shall be identified in greater detail during design review and the type of temporary fencing selected, as part of the design review. Fencing materials would remain in place until finish work has been completed.
- Mitigation Measure V-2: Fixture types, cut off angles, shields, lamp arm extensions, and pole heights will be determined, in consultation with the local jurisdictions.

2008 EIR

- None identified.

3.8.2 Air Quality

2005 EIR

- None identified.

2008 EIR

- None identified.

3.8.3 Archaeology

2005 EIR

- None identified.

2008 EIR

- None identified.

3.8.4 Biological Resources**2005 EIR**

- Mitigation Measure BR-1a: Construction access, staging, storage, and parking areas shall be located on ruderal or developed lands to the extent possible. Vehicle travel adjacent to wetlands and riparian areas shall be limited to existing roads and designated access paths. Sensitive natural communities (i.e., wetlands, waters, riparian zones and oak woodlands) shall be conspicuously marked in the field (including suitable buffer zones) to minimize impacts on these communities, and work activities shall be limited to outside the marked areas. The minimum distances for these buffer zones will be determined for each site during consultation with the appropriate resource agencies.
- Mitigation Measure BR-1b: Qualified biologists shall monitor construction activities that could potentially cause significant impacts on sensitive biological resources. A worker education program shall be developed and presented to all construction personnel before they start work on the proposed project. The program shall summarize relevant laws and regulations that protect biological resources, discuss sensitive habitats and special-status species with the potential to occur in the work zone, explain the role and authority of the biological monitors and review applicable avoidance and minimization measures to protect sensitive species and habitats.
- Mitigation Measure BR-2a: Instream construction shall be confined to the dry or low-flow season of April 15 to October 15. During in-stream construction, dewatered areas and temporary culverts shall be limited to the minimum area necessary. Pumps used for dewatering shall have agency-approved fish screens installed to minimize intake of fish into pumps. Diversion structures shall be left in place until all in-stream work is completed. Temporary culverts and all construction materials and debris shall be removed from the affected area prior to reestablishing flow and prior to the rainy season.
- Mitigation Measure BR-2b: A qualified biological monitor shall be present during critical construction periods (e.g., grubbing and clearing, culvert installation, pouring concrete) in all streams and wetland areas. If a listed or protected species is encountered, work shall be stopped immediately at that location, the appropriate agency or agencies (USFWS, NOAA Fisheries and/or CDFG) shall be notified, and work shall not resume at that location prior to the agencies' approval, or as agreed to in prior consultation with the agencies.
- Mitigation Measure BR-2c: Upon completion of the proposed project, all temporarily disturbed natural areas, including stream banks, shall be returned to original contours to the extent feasible. Affected wetlands, stream banks or stream channels shall be stabilized prior to the rainy season and/or prior to reestablishing flow. For wetland areas, the top six inches of native topsoil should be stockpiled and replaced following work. Wetland and riparian vegetation shall be reestablished as appropriate.

- Mitigation Measure BR 3a: To the extent feasible, trees and shrubs in the construction zones shall be trimmed or removed between September 1 and January 31 to reduce potential impacts on nesting birds. If vegetation must be removed during the period from February 1 to August 31, a qualified wildlife biologist shall conduct pre-construction surveys for nesting birds. If an active nest is found, the bird shall be identified to species and the approximate distance from the closest work site to the nest estimated. No additional measures need be implemented if active nests are more than the following distances from the nearest work site: a) 300 feet for raptors; or b) 75 feet for other non-special-status bird species. If active nests are closer than those distances to the nearest work site and there is the potential for destruction of a nest or substantial disturbance to nesting birds due to construction activities, a plan to monitor nesting birds during construction shall be prepared and submitted to the USFWS and CDFG for review and approval. Disturbance of active nests shall be avoided to the extent possible until it is determined that nesting is complete and the young have fledged.
- Mitigation Measure BR-3b: If construction is likely to occur during the nesting season of cliff swallows (March 1 to July 31), bridges shall be periodically inspected for swallow nests by a qualified biologist prior to the onset of bridge demolition and/or new bridge construction. Nests shall be knocked down by a biologist prior to being one-third completed. Inspection of the bridges shall start in late February. Alternative methods to prevent cliff swallow nesting on the bridge may be used with prior approval by the CDFG.
- Mitigation Measure BR-4: During construction activities, the following measures shall be implemented to the extent feasible to reduce the spread of exotic invasive plants in temporary work areas and throughout the project corridor:
 - Minimize vehicle travel through weed-infested areas.
 - Minimize soil disturbance and the removal of existing vegetation (exotic or native) to the extent feasible during construction activities.
 - Use only certified weed-free straw and mulch or weed-free fiber roll barriers or sediment logs.
 - Use only certified weed-free native seed mixes and native plants that are appropriate to the pre-existing or adjacent natural habitat for revegetation.
 - Monitor all erosion-control and revegetation sites for weed infestations at least twice yearly during the growing season, for at least three years after construction.
- Mitigation Measure BR-13: A qualified biologist shall conduct a pre-construction survey for bats at bridges that have sufficient thermal cover for bat roosting, abandoned buildings and old structures prior to demolition or construction at these sites. Bats should be determined to be absent or flushed from roost locations prior to demolition of buildings. If flushing of bats from buildings is necessary, it shall be done by the biologist during the non-breeding season from October 1 to March 31. When flushing bats, structures shall be moved carefully to avoid harming individuals, and torpid bats given time to completely arouse and fly away. During the maternity season from April 1 to September 30, prior to building demolition or construction, a qualified biologist shall determine if a bat nursery is present at any sites identified as potentially housing bats. If an active nursery is present, disturbance of bats shall be avoided until the biologist determines that breeding is complete and young are reared.

- Mitigation Measure BR-14: A qualified biologist shall conduct monitoring surveys to assess wildlife collision impacts along the entire corridor at least two times a year, once during spring and once during fall, for the first three years of train operation. The results shall be reported to the CDFG and, if federally listed or migratory bird species are affected, to the USFWS. If the CDFG or USFWS determines that collision impacts are excessive or adverse effects on federal or state-protected species (including listed species, migratory birds and raptors) are occurring, remedial measures (e.g. redesign of structures and gaps) shall be developed and implemented in consultation with these agencies.
- Mitigation Measure BR-15a: SMART shall consult with the resource agencies (USFWS, NOAA Fisheries and CDFG) to develop habitat and species protection measures for scheduled and emergency maintenance activities to minimize impacts on wetlands, streams, riparian habitats, and special-status species.
- Mitigation Measure BR-15b: For all herbicide applications during right-of-way maintenance, herbicides shall be used only according to label directions, applications shall be confined to within the right-of-way and appropriate BMPs shall be followed to prevent uncontrolled release of chemicals. Only aquatic-approved herbicides shall be used for vegetation control adjacent to open water and wetland habitats.

2008 EIR

- None identified.

3.8.5 Energy

2005 EIR

- Mitigation Measure E-1: Implement energy conservation measures during construction such as:
 - Using energy efficient measures at rail stations, such as solar panels;
 - Reducing idling of trucks delivering construction material;
 - Consolidating material delivery; and
 - Scheduling material delivery during off-peak hours, to allow trucks to travel without traffic and at fuel-efficient speeds (45 – 55 mph).

2008 EIR

- None identified.

3.8.6 Geology

2005 EIR

- Mitigation Measure G-1: Implement erosion control Best Management Practices (BMP) such as settling basins, the covering of soil stockpiles, runoff diversions, silt fences, and dewatering sediment filtersocks. Site-specific measures shall be determined during pre-construction planning.
- Mitigation Measure G-3: Implement erosion control measures including hydroseeding or erosion control materials on areas that have been graded or disturbed. Additionally, maintain and repair drainage structures (e.g. culverts, drop inlets, etc.) on cut and fill slopes to minimize long term erosion. Licensed civil engineers shall develop properly designed stormwater runoff collection structures and finished contours for new stations, rail sidings, and earthwork to maximize long-term slope stability.
- Mitigation Measure G-4: A site-specific geotechnical Investigation report shall be prepared as part of final project design, and its recommendations for seismic design parameters per UBC code shall be incorporated into the proposed project design. This report shall include an indepth study of the regional seismicity and site-specific geologic conditions, including a probabilistic seismic hazard analysis that incorporates risk-based evaluations of exceedance of certain peak ground accelerations. Measures to reduce impacts would include ground improvement such as soil mixing, jet grouting, soil densification, pile supported structures, etc. The use of specific measures will depend on soil type and stratigraphy, which will be determined during final design. Implementation of geotechnical design recommendations shall be verified during construction by monitoring of construction activities by a qualified geotechnical consultant.

After any significant earthquake in the area resulting in felt shaking (also after major rainstorms), the constructed rail line shall be immediately inspected. This inspection would be for possible damage and delineation of areas requiring temporary speed reductions, maintenance or more substantial repair work before resumption of train service.

- Mitigation Measure G-5: Evaluation of fault rupture hazard shall be undertaken during subsurface geotechnical investigations as discussed in Mitigation Measure G-3 for this segment using guidelines specified in Special Publication 42 of CGS. The evaluation shall determine the specific design features that will be most appropriate for implementation.
- Mitigation Measure G-6: Proper subsurface investigation shall be conducted in areas with liquefaction potential prior to construction as detailed in Mitigation Measure G-4. This investigation should include Standard Penetration Test borings, laboratory grain size analysis and liquefaction analysis. The subsurface investigation would identify the potential for liquefaction and identify design features to reduce the potential for liquefaction. Geotechnical design recommendations shall be incorporated into final project designs and verified during construction by monitoring of construction activities by a qualified geotechnical consultant.
- Mitigation Measure G-8: The project shall incorporate one of the following three measures to reduce the impact of expansive soils: (1) remove expansive soil and replace with select, nonexpansive, engineered fill; (2) lime treatment of expansive soil; or (3) placement of structures on drilled piers or foundation elements founded on deeper, non-expansive bearing strata.

- Mitigation Measure G-9: Where corrosive soils are encountered, the project shall incorporate one or more of the following measures, as appropriate: epoxy coating of reinforcing steel, use of Type 5 Portland cement in structural concrete, or soil treatment to neutralize pH in the soil or reduce excessive chloride and sulfate concentrations in the soil.

2008 EIR

- None identified.

3.8.7 Hazardous Materials

2005 EIR

- Mitigation Measure HM-1: Samples of soil shall be submitted for analysis for phenol and creosol compounds if track shoulder re-grading or excavations associated with bridge improvements are undertaken. Sampling of soil will also be based on available historical information and/or previous sampling data sampling and analysis and will be modified to include other potential contaminants such as metals, petroleum hydrocarbons, PCBs and PAHs where warranted. Samples of soil are recommended to be submitted for analysis for lead if improvements to the road crossings are required to determine if these compounds are present and have the potential to impact disposal or release to the environment. If phenol and creosol compounds or ADL are present in the soil, then preparation of a Site Mitigation Plan (SMP) will be required to address potential exposure of workers to impacted soil in order to comply with applicable waste handling and disposal regulations (if offsite disposal of soil is necessary). At a minimum, BMPs in the SMP should include provisions for excavation and grading of impacted soil, stockpiling and testing of contaminated soil, dust and odor control measures and health and safety requirements for working with impacted soil.

To comply with AB 939 requirements, which dictate guidance for source reduction, recycling and composting, and environmentally safe transformation and land disposal of solid wastes, railroad ties and steel that are replaced during construction of the project will be recycled or re-used as appropriate.

- Mitigation Measure HM-2: Precautions, including sampling of soil and groundwater prior to work activities in the areas where proposed excavations are planned and preparation of a SMP, shall be implemented, where necessary. If naturally occurring asbestos is encountered, the project shall comply with the CARB Asbestos Airborne Toxic Control Measures regulations (17 CCR, Section 93105), which requires local air district review and approval of an asbestos dust mitigation plan. An Asbestos Dust Mitigation Plan must specify dust mitigation practices which are sufficient to ensure that no equipment or operation emits dust that is visible crossing the property line.

If contaminated materials are encountered during construction activities, the local Fire Certified Unified Program Agency (CUPA) will be notified immediately. A qualified environmental consultant shall monitor soil and air and dust emissions during construction activities in these locations to identify whether potential hazards exist and whether special handling of soil and groundwater is required. Specially trained workers can be utilized to handle contaminated soil/groundwater and SMP implementation measures (i.e., use of personal protective equipment) can be utilized to mitigate potential exposures to contaminated soil/groundwater and additional releases to the environment. Construction-related impacts of soil excavation and groundwater

dewatering in contaminated areas can be mitigated through implementation of BMPs, such as conducting daily health and safety meetings to discuss planned work in areas where contaminated soil/groundwater could be encountered. Mitigation measures to protect the public include limiting access (i.e., fencing and site security) to the railroad corridor during construction activities and implementation of BMP measures to prevent offsite migration of contaminated soil and groundwater.

- Mitigation Measure HM-3: Sampling activities shall be conducted in locations where asbestos containing materials or LBP are anticipated to identify whether potential hazards exist and whether special precautions to prevent workers from exposure to LBP or asbestos are necessary during bridge/overcrossing renovation and or/demolition. If friable asbestos materials are identified during bridge inspections, these materials shall be safely removed and properly disposed using procedures established by OSHA and the BAAQMD/NSCAPCD. Bridge workers shall be protected through the use of proper protective equipment. Standard procedures shall be used for capturing LBP during bridge cleaning (e.g., sand blasting) and preventing it from being released into the environment. Proper containment shall be employed for all bridge maintenance activities to prevent LBP from impacting the environment.

2008 EIR

- None identified.

3.8.8 Noise

2005 EIR

- Mitigation Measure N-1: In order to reduce construction noise at nearby receptors, the following noise abatement measures shall be implemented for construction contracts:
 - When practical, construction operations shall not occur between 7:00 p.m. and 7:00 a.m. or on weekends or holidays in residential areas.
 - Each internal combustion engine shall be equipped with a muffler of a type recommended by the manufacturer.
 - Other measures to reduce noise levels that may be implemented where appropriate include:
 - Turning off construction equipment during prolonged periods of non-use.
 - Requiring contractors to maintain all equipment and train their equipment operators to increase efficiency of operation.
 - Locating stationary noise-generating equipment away from noise-sensitive receptors such as residences.
- Mitigation Measure N-5: Limit the use of train horns and other audible warning devices by installing crossing controls that meet FRA requirements and obtain Quiet Zone designations for crossings along the corridor. Local jurisdictions may apply to the FRA for designation as a Quiet Zone, where audible warning devices are not required.

2008 EIR

- Mitigation Measure N-5: Limit the use of train horns and other audible warning devices by installing crossing controls that meet FRA requirements and obtain Quiet Zone designations for crossings along the corridor. Local jurisdictions may apply to the FRA for designation as a Quiet Zone, where audible warning devices are not required. The application must be a joint application between the local jurisdiction and the rail operator and must include supplementary safety measures to ensure that safety is not compromised by eliminating the sounding of the train horns.

3.8.9 Transportation**2005 EIR**

- Mitigation Measure T-2: The implementation of the proposed project signaling and communication system shall include coordination and integration with the adjacent traffic signals to allow for progression of other non-conflicting traffic movements. Coordination and integration with the adjacent traffic signals in downtown Santa Rosa and Petaluma would minimize traffic impacts and reduce unnecessary delays and queues to less than significant. Traffic operations are expected to improve in downtown San Rafael with the improvements and changes documented in the City's General Plan 2020. Implementation of the integrated traffic signal system identified above and proposed as part of the project will ensure that project-related impacts to the downtown San Rafael street network in 2010 will be less than significant. Similarly, impacts to the street networks around the downtown Petaluma and Santa Rosa stations in 2010 will be mitigated with implementation of Mitigation Measure T-2.

2008 EIR

- None identified.

3.8.10 Water Resources**2005 EIR**

- Mitigation Measure WR-1a: The proposed project shall comply with the NPDES permit process which requires project applicants to file a Notice of Intent (NOI) and prepare and submit a SWPPP to the RWQCB. The SWPPP must contain a detailed mitigation plan for erosion and sediment control, including plans for implementing BMPs for the control of stormwater runoff, erosion and sedimentation. BMPs include structural treatment controls. Structural treatment controls are engineered facilities designed for the treatment of storm water runoff. They use infiltration, retention/detention and biofiltering techniques to remove pollutants. Vegetated swales and buffer strips, infiltration systems, bioretention systems, extended detention basins, ponds and constructed wetlands, media filtration systems, and oil/water separators are examples of structural treatment controls for storm water quality. The type of structural treatment controls will vary throughout the SMART corridor depending on local conditions.

Surface water runoff from affected areas would be dispersed in accordance with the measures required under a SWPPP from the RWQCB and under a Standard Urban Storm Water Mitigation Plan (SUSMP) as

developed by the City of Santa Rosa and County of Sonoma. With these measures in place, potential impacts would be negligible.

- Mitigation Measure WR-1b: The proposed project shall comply with the requirements for a Streambed Alteration Agreement for those portions of the project that would be completed along the banks of various surface waterbodies.

In order for any work to be completed around the various surface waterbodies, Section 401 of the Clean Water Act would be applicable. Section 401 requires any applicant for a federal permit that conducts any activity that may result in a discharge of pollutants to first obtain a Water Quality Certification (WQC) from the State. As a condition of the project, 401 Certifications and Section 404 permits will be obtained. Section 404 of the Clean Water Act establishes programs to regulate the discharge of dredged and fill material in waters of the U.S., including wetlands.

- Mitigation Measure WR-2: Design structures and other improvements on the site so as not to raise flood levels. Specific designs shall be based on site specific hydrologic studies conducted during the final design stage of the proposed project. Said studies will be submitted to the State Water Resources Control Board and the two Regional Water Resources Control Board for review. When feasible, construction within the floodplain shall be avoided or minimized. When construction within the floodplain is unavoidable, efforts will be made to restore the floodplain, as necessary, to restore flood capacity.
- Mitigation Measure G-1: Implement erosion control Best Management Practices (BMP) such as settling basins, the covering of soil stockpiles, runoff diversions, silt fences, and dewatering sediment filtersocks. Site-specific measures shall be determined during pre-construction planning.
- Mitigation Measure G-3: Implement erosion control measures including hydroseeding or erosion control materials on areas that have been graded or disturbed. Additionally, maintain and repair drainage structures (e.g. culverts, drop inlets, etc.) on cut and fill slopes to minimize long term erosion. Licensed civil engineers shall develop properly designed stormwater runoff collection structures and finished contours for new stations, rail sidings, and earthwork to maximize long-term slope stability.

2008 EIR

- None identified.

APPENDIX I

SMART Letter Regarding Inapplicability of Section 4(f)
to the Non-Motorized Path



November 30, 2014

Judy Arnold, Chair
Marin County Board of Supervisors

Barbara Pahre, Vice Chair
Golden Gate Bridge,
Highway/Transportation District

Jim Eddie
Golden Gate Bridge,
Highway/Transportation District

Debora Fudge
Sonoma County Mayors and
Councilmembers Association

Madeline Kellner
Transportation Authority of Marin

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Stephanie Moulton-Peters
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Gary Phillips
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Mr. Leslie Rogers
Regional Administrator
FTA Region IX
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San Francisco, CA 94105-1839

RE: SMART Non-Motorized Pathway Transportation Facility

Dear Mr. Rogers,

This letter addresses the applicability of Section 4(f) of the Department of Transportation Act as it relates to the SMART Non-Motorized Pathway (NMP) that is adjacent to the 2.1 mile SMART Downtown San Rafael to Larkspur Extension project. The NMP was planned and built before the operation of the Larkspur Extension project and it is entirely within the SMART owned right-of-way, which has been reserved as a transportation facility since it was deeded to the Golden Gate Bridge, Highway, and Transportation District (GGBHTD) in segments starting in 1983.

History and Ownership of the Northwestern Pacific Right-of-Way and the NMP for Transportation Purposes

The acquisition of the Northwestern Pacific Railroad (NWP) right-of-way by the GGBHTD was the result of the 1969 California Legislature's direction to the GGBHTD to prepare a transportation facilities plan. A key recommendation of that 1971 plan was the acquisition of any portion of the NWP right-of-way that might be in danger of being pre-empted for non-transportation uses. Acquisitions continued along the NWP corridor by the GGBHTD and other public agencies and in 1995 a Joint Powers Authority (JPA) comprised of the GGBHTD, Marin County and the North Coast Railroad Authority (NCRA), collectively the Northwestern Pacific Railroad Authority (NWPRA), was formed to hold title to the right-of-way until such time as a successor agency was created to operate rail services on the corridor.

The SMART District was created by the California Legislature in 2002 (AB2224 Nation). With the creation of SMART, work began on the dissolution of the NWPRA. That Dissolution Agreement (attached) specified that the JPA was created to provide for the acquisition and management of the Northwestern Pacific Right of Way "for future public transportation and freight use". The Dissolution Agreement also referenced the 2003 Memorandum of Understanding between the NWPRA and SMART regarding the transfer of the right-of-way assets to SMART, a transfer that was completed in 2006.

SMART is governed by the California Public Utilities Code (Part 16, Sections 105000-105337). Section 105003 provides definitions used within Part 16 and includes "(c) *Rail transit works or rail transit facilities* means any or all real and personal property, equipment, rights or interests owned or to be acquired by the district for rail transit service purposes, including ancillary bicycle and pedestrian pathways that provide connections between and access to station sites."

Local jurisdiction planning documents, including the General Plans and Bicycle and Pedestrian Plans have referenced the right-of-way as both a rail facility and, since the 1970s, as the "Marin County North-South Bikeway", with variations on that proposed project name. The NMP was established to be a transportation facility. While some documents over time have spoken to the recreation users who will access the pathway, the primary function of the facility has always been as a transportation facility.

Utilizing Regional Bridge Tolls and federal Congestion Mitigation and Air Quality (CMAQ) funds, a consortium of parties, including SMART, succeeded in constructing the existing segment of the NMP (the Cal Park Hill Tunnel and Path Project) in 2011. That project consisted of both the pathway component, and also a reconstruction of the tunnel to rail service standards and a reservation of the necessary right-of-way for the future passenger rail facilities. The NMP was developed consistent with local plans and with CMAQ funds for the purposes of traffic congestion relief with the added benefit of being a multi-use trail.

Until SMART commences revenue rail services associated with the Larkspur Extension project, an MOU among Marin County, the Cities of San Rafael and Larkspur, and the Twin Cities Police Authority governs the operations and maintenance of the NMP. Per 23 CFR 774.17, SMART is the *official with jurisdiction* for the NMP facility, in that SMART is "the agency that own[s] or administer[s] the property in question and who [is] empowered to represent the agency on matters related to the property."

Applicability of Section 4(f)

Because the NMP was built before operation of the Larkspur Extension project and has been reserved as a transportation facility, it is not subject to Section 4(f), pursuant to 23 CFR 774.11(i), which provides that Section 4(f) does not apply when a park or recreational area and a transportation facility are jointly planned. Examples of such concurrent or joint planning or development include, but are not limited to:

- Designation or donation of property for the specific purpose of such concurrent development by the entity with jurisdiction or ownership of the property for both the potential transportation facility and the Section 4(f) property; or
- Designation, donation, planning, or development of property by two or more governmental agencies with jurisdiction for the potential transportation facility and the Section 4(f) property, in consultation with each other.

In the current instance, SMART as the owner of the future transportation facility and the official with jurisdiction for the NMP facility, the first example is relevant.

Exceptions under 4(f)

In addition to the above discussion which explains that Section 4(f) is not applicable, SMART also notes that the provisions of 23 CFR 774.13, regarding exceptions to Section 4(f), is also relevant. The SMART owned ROW has been reserved as a transportation facility since the original railroad construction starting in the 1860s. In general, certain trails/paths that are part of the local transportation system and function primarily for transportation may be considered exceptions from Section 4(f) requirements, pursuant to 23 CFR 774.13(f)(4).

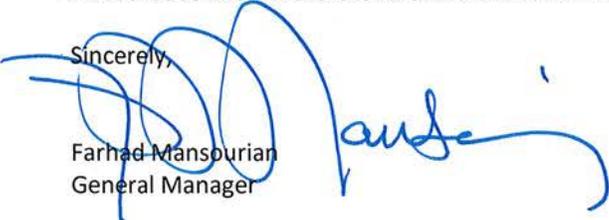
The primary function of the NMP is as a transportation facility. During construction and operation of the Larkspur Extension project, there would be continual operation of the NMP with no changes in access and the NMP would remain a contiguous pathway. The Larkspur Extension project would not temporarily or permanently use any parts of the NMP for construction or operations activities. Local General Plans and bicycle master plans designate the NMP as a transportation corridor and its construction was funded in part with federal funds intended to provide traffic congestion relief. As such, the NMP has always been regarded an integral component of the local transportation system and whose principle function has been for transportation.

Conclusion

For the reasons stated above the NMP is not an applicable Section 4(f) property as defined in 23 CFR 774.11(i) and because it was established to be used primarily for a transportation facility, it is not subject to Section 4(f) per 23 CFR 774.13(f)(4), which provides an exception for "Trails, paths, bikeways, and sidewalks that are part of the local transportation system and which function primarily for transportation [23 CFR 13(f)(4)]."

Please let us know if there is further clarification we can provide.

Sincerely,


Farhad Mansourian
General Manager

**DISSOLUTION AGREEMENT
BETWEEN THE GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION
DISTRICT, THE COUNTY OF MARIN AND THE NORTH COAST RAILROAD
AUTHORITY**

This Dissolution Agreement ("Agreement") is entered into this 27th day of February, 2004 by and between the Golden Gate Bridge, Highway and Transportation District, a public agency ("GGB"), the County of Marin, a public agency ("County"), and the North Coast Railroad Authority ("NCRA").

RECITALS

A. GGB, County and NCRA entered into that certain Joint Powers Agreement dated May 24, 1995 ("JPA"), establishing the Northwestern Pacific Railroad Authority, a joint powers authority ("NWPRRA"), pursuant to Chapter 5 of Division 7 of Title 1 of the California Government Code (Section 6500, et seq.) to provide for the acquisition, maintenance, management and operation of the Healdsburg and Willits Segments of the Northwestern Pacific Right of Way for future public transportation and freight use.

B. Pursuant to a Memorandum of Understanding dated June 13, 2003 (the "MOU"), by and between the NWPRRA and the Sonoma Marin Area Rail Transit District, a public agency created under California law ("SMART"), NWPRRA agreed to transfer substantially all of its assets, as more particularly described in the MOU, to SMART.

C. Subject to completion of the proposed asset transfer to SMART, the parties desire to terminate the JPA and dissolve the NWPRRA. The parties hereto now desire to enter into this Agreement to (i) authorize and consent to the termination of the JPA and the dissolution of the NWPRRA, (ii) appoint GGB as the member agency authorized to wind up the affairs of the NWPRRA, and (iii) provide for the distribution of NWPRRA assets not distributed pursuant to the MOU.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing, the parties agree as follows:

ARTICLE I

TERMINATION OF THE JPA AND DISSOLUTION OF THE NWPRRA

1.1 Dissolution of the NWPRRA. The parties agree to dissolve the NWPRRA effective as of the date of closing of the transfer of NWPRRA's assets to SMART pursuant to the MOU ("Effective Date"). In the event NWPRRA's assets, other than those amounts reserved hereunder, are not transferred to SMART by the Effective Date, the Effective Date shall be extended until such date as the transfer of assets to SMART is complete. From and after the date of this Agreement, the parties shall endeavor to complete all unfinished business and liquidate the

affairs of the NWPRA. Except as deemed necessary to (i) complete the transfer of substantially all assets from NWPRA to SMART; (2) complete the winding up of unfinished business; or (3) carry out liquidating of the affairs of the NWPRA, none of the parties hereto shall do any further business or incur any further obligations on the part of the NWPRA after the Effective Date set forth in this Section.

1.2 Termination of the JPA. Pursuant to Section 21 of the JPA, the parties agree to terminate the JPA as of the Effective Date.

ARTICLE II

APPOINTMENT OF GGB AS DISSOLVING MEMBER

2.1 The parties appoint GGB as the sole "Dissolving Member" of the NWPRA. The Dissolving Member is authorized to wind up the affairs of the NWPRA, and in this regard, to:

(a) pay all known debts and liabilities and the costs and expenses of winding up and dissolution;

(b) establish and administer a reasonable reserve of funds to pay any remaining and final debts and liabilities of the NWPRA (e.g. audit costs, agency management fees) (the "Reserve");

(c) distribute the balance remaining from such Reserve to SMART on or before June 30, 2004, provided that GGB may extend such date if GGB determines, in its reasonable discretion, that such distribution should be delayed pending the resolution of an unresolved claim or action;

(d) arrange for the preparation of a final audit report, showing cumulative collections, disbursements and distributions, which will be submitted upon completion of the dissolution to all member agencies;

(e) cause a Statement of Facts – Roster of Public Agencies Filing to be filed in the office of the California Secretary of State; and

(f) perform any and all other actions which GGB determines, in its reasonable discretion, are necessary or appropriate to wind up the affairs of the NWPRA and complete the dissolution process.

ARTICLE III

RELEASE

3.1 Release. Upon the Effective Date, the parties to this Agreement hereby release and discharge each other, each of their respective assigns and successors and each of their directors, officers, employees and agents, from any and all claims, actions, debts, liabilities, demands, obligations, promises, acts, agreements, costs and expenses (including, without limitation, court costs and attorneys' fees), damages, and causes of action of whatever kind or

nature, whether known or unknown, suspected or unsuspected, whether arising, or accruing before or after the Effective Date, based on, arising out of, or in connection with (a) the operation of the NWPRA since its inception, including, without limitation, the ownership, management, development and disposition of its assets, and (b) the breach of any representation, warranty or covenant in the JPA or the Cooperative Agreement by and between NCRA and NWPRA dated April 30, 1996, and all matters directly or indirectly claimed or alleged between the parties in connection therewith or in any way related thereto. The parties agree and acknowledge that this release applies to both known and unknown claims and agree to waive the benefits of California Civil Code §1542, which states as follows:

“A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY AFFECTED HIS SETTLEMENT WITH THE DEBTOR.”

The parties agree and represent that they may hereafter discover facts different from or in addition to those they now know or believe to be true in respect to the claims, demands, debts, liabilities, accounts, actions or causes of action herein released, and hereby agree that these releases shall be and remain in effect in all respects as complete, general and full releases as to the matters released, notwithstanding any such different or additional facts.

ARTICLE IV

DISPUTE RESOLUTION

4.1 Dispute Resolution. Any controversy, claim or dispute arising out of or related to the interpretation, construction, performance or breach of this Agreement, which cannot be resolved by the parties shall be submitted to mediation in the County of Marin, California, administered by the American Arbitration Association under its Commercial Mediation Rules. Mediation shall proceed and continue until such time as the matter is either resolved or the mediator finds or the parties agree that mediation should not continue. If the parties cannot resolve the controversy, claim or dispute through the mediation process described above, the matter shall be settled by arbitration in the County of Marin, California, administered by the American Arbitration Association under its Commercial Arbitration Rules, and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. All direct costs and expenses of each party other than those for payment of the mediator or arbitrator(s) and/or mediation or arbitration facilities shall be borne and paid for by the party that incurs such expenses. In the event either party brings suit to enforce any judgment rendered in arbitration, the prevailing party in such proceeding shall be entitled to the costs, including, but not limited, legal fees, incurred by it during the enforcement proceeding.

ARTICLE V

MISCELLANEOUS

5.1 Assignment. Neither party shall assign this Agreement to any other person or entity, in whole or in part, without the express written consent of the other party, which shall not be unreasonably withheld.

5.2 Waiver. No waiver of any of the provisions of this Agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.

5.3 Notices. Any notice or other communication required or permitted to be given under this Agreement ("Notices") shall be in writing and shall be (i) personally delivered; (ii) delivered by a reputable overnight courier; or (iii) delivered by certified mail, return receipt requested and deposited in the U.S. Mail, postage prepaid. Notices shall be deemed received at the earlier of actual receipt or (i) one business day after deposit with an overnight courier as evidenced by a receipt of deposit; or (ii) three business days following deposit in the U.S. Mail, as evidenced by a return receipt. Notices shall be directed to the parties at their respective addresses shown below, or such other address as either party may, from time to time, specify in writing to the other in the manner described above:

if to GGB:

Golden Gate Bridge, Highway and
Transportation District
Box 9000 Presidio Station
San Francisco, CA 94129-0601
Attn: Celia Cupersmith

with a copy to:

Hanson, Bridgett, Marcus, Vlahos & Rudy, LLP
333 Market Street, Suite 2300
San Francisco, CA 94105-2173
Attention: David J. Miller, Esq.

if to County:

The County of Marin
Marin County Civic Center
San Rafael, CA 94903
Attention: Steve Kinsey

with a copy to:

Patrick Faulkner, Esq.
County Counsel of Marin
Civic Center, Suite 342
San Rafael, CA 94903

if to NCRA:

The North Coast Railroad Authority
419 Talmage Road, Suite M
Ukiah, CA 95482
Attention: John Woolley

with a copy to:

Christopher Neary, Esq.
110 South Main Street, Suite C
Willits, CA 95490

5.4 Entire Agreement. This Agreement constitutes the entire agreement between the parties pertaining to the subject matter contained herein and supersedes all prior or contemporaneous oral or written agreements, representations, statements, documents, or understandings of the parties.

5.5 Amendment. No supplement, modification, or amendment of this Agreement shall be binding unless executed in writing by the party to be bound.

5.6 Timeliness. NWPRA and SMART hereby acknowledge and agree that time is of the essence with respect to each and every term, condition, obligation and provision hereof.

5.7 Governing Law and Venue. This Agreement shall be construed in accordance with, and governed by, the laws of the State of California, and any action or proceeding, including mediation or arbitration, brought by any party in which this Agreement is subject, shall be brought in the County of Marin or Sonoma, California.

5.8 Effect of Headings. The headings of the paragraphs of this Agreement are included for purposes of convenience only, and shall not affect the construction or interpretation of any of its provisions.

5.9 Invalidity. Any provision of this Agreement which is invalid, void, or illegal, shall not affect, impair, or invalidate any other provision of this Agreement, and such other provisions of this Agreement shall remain in full force and effect.

5.10 Counterparts. This Agreement may be executed simultaneously in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

5.11 Number and Gender. When required by the context of this Agreement, each number (singular and plural) shall include all numbers, and each gender shall include all genders.

5.12 Further Assurances. Each party to this Agreement agrees to execute, acknowledge, and deliver such further instruments as may be necessary or desirable to accomplish the intent and purpose of this Agreement, provided that the party requesting such further action shall bear all costs and expenses related thereto.

5.13 Severability. Any provision of this Agreement which is determined by a court of competent jurisdiction to be invalid or unenforceable shall be invalid or unenforceable only to the extent of such determination, which shall not invalidate or otherwise render ineffective any other provision of this Agreement.

IN WITNESS WHEREOF, the parties have entered into this Agreement with the intent to be legally bound.

THE GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT, a public agency

By: [Signature]
Name: Stanley M. Smith
Its: President of the Board

By: [Signature]
Name: Janet S. Tarantino
Its: Secretary of the District

THE GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT, a public agency

By: [Signature]
Name: Celia Kupersmith
Its: General Manager

APPROVED AS TO FORM
[Signature]
Attorney

THE COUNTY OF MARIN, a public agency

By: _____
Name: Steve Kinsey
Its: President, Board of Supervisors

APPROVED AS TO FORM

Attorney

THE NORTH COAST RAILROAD AUTHORITY

By: _____
Name: John Woolley
Its: Chairman

APPROVED AS TO FORM

Attorney

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THE GOLDEN GATE BRIDGE, HIGHWAY AND
TRANSPORTATION DISTRICT, a public agency

By: Celia Kupersmith
Name: Celia Kupersmith
Its: General Manager

APPROVED AS TO FORM

Attorney

THE COUNTY OF MARIN, a public agency

By: Steve Kinsey
Name: Steve Kinsey
Its: President, Board of Supervisors

APPROVED AS TO FORM

Attorney

THE NORTH COAST RAILROAD AUTHORITY

By: _____
Name: John Woolley
Its: Chairman

APPROVED AS TO FORM

Byron R. Jones
Attorney

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TRANSPORTATION DISTRICT, a public agency

By: _____
Name: Celia Kupersmith
Its: General Manager

APPROVED AS TO FORM

Attorney

THE COUNTY OF MARIN, a public agency

By: _____
Name: Steve Kinsey
Its: President, Board of Supervisors

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Attorney

THE NORTH COAST RAILROAD AUTHORITY

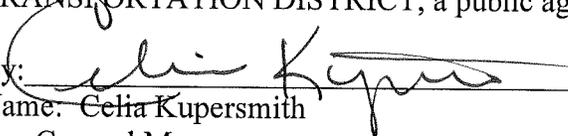
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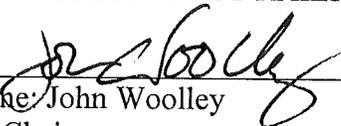
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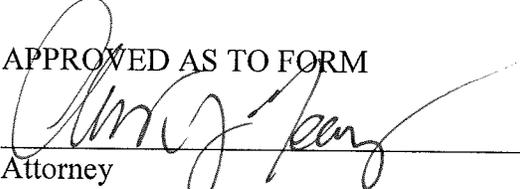
APPROVED AS TO FORM

Attorney

THE NORTH COAST RAILROAD AUTHORITY

By: 
Name: John Woolley
Its: Chairman

APPROVED AS TO FORM



Attorney