

APPENDIX A

California Emissions Estimator Model Results

Bellevue Ranch 7 - Sonoma-San Francisco County, Annual

Bellevue Ranch 7
Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.40	Acre	1.40	60,984.00	0
Single Family Housing	30.00	Dwelling Unit	4.35	55,000.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	75
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	499.66	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity based on 33% RPS in 2020
 Land Use - 30 single family homes and estimated 1.4 acres of paved roadways on 5.75-acre site
 Construction Phase - Matched the durations provided by Ryder
 Demolition - 1,500 SF existing building demolished
 Grading - Balanced site
 Vehicle Trips - 286 Daily trips (9.53 trips/du) assumed per City input
 Woodstoves - Only gas fireplaces assumed per BAAQMD Regulation 6, Rule 3 - Wood Burning Devices
 Construction Off-road Equipment Mitigation - Basic control measures - water exposed area 2x per day and 15mph vehicle speed on unpaved
 Energy Mitigation - Compliance with 2016 Title 24 (28% improvement over 2013 standards for single family homes)
 Water Mitigation - 20% water reduction per statewide requirement

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	230.00	260.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	10.00
tblFireplaces	NumberGas	7.50	30.00
tblFireplaces	NumberNoFireplace	2.40	0.00
tblFireplaces	NumberWood	12.90	0.00
tblGrading	AcresOfGrading	5.00	5.75
tblLandUse	BuildingSpaceSquareFeet	54,000.00	55,000.00
tblLandUse	LandUseSquareFeet	54,000.00	55,000.00
tblLandUse	LotAcreage	9.74	4.35
tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	WD_TR	9.52	9.53
tblWoodstoves	NumberCatalytic	1.20	0.00
tblWoodstoves	NumberNoncatalytic	1.20	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	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
Year	tons/yr										MT/yr					
2018	0.3002	2.6616	1.9417	3.3200e-003	0.1572	0.1553	0.3126	0.0756	0.1456	0.2212	0.0000	297.4452	297.4452	0.0650	0.0000	299.0697
2019	0.5424	1.2298	1.0623	1.8300e-003	0.0192	0.0702	0.0894	5.1800e-003	0.0661	0.0713	0.0000	162.3559	162.3559	0.0342	0.0000	163.2109
Maximum	0.5424	2.6616	1.9417	3.3200e-003	0.1572	0.1553	0.3126	0.0756	0.1456	0.2212	0.0000	297.4452	297.4452	0.0650	0.0000	299.0697

Mitigated Construction

	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
Year	tons/yr										MT/yr					
2018	0.3002	2.6616	1.9417	3.3200e-003	0.0889	0.1553	0.2442	0.0389	0.1456	0.1845	0.0000	297.4449	297.4449	0.0650	0.0000	299.0694
2019	0.5424	1.2298	1.0623	1.8300e-003	0.0192	0.0702	0.0894	5.1800e-003	0.0661	0.0713	0.0000	162.3557	162.3557	0.0342	0.0000	163.2107
Maximum	0.5424	2.6616	1.9417	3.3200e-003	0.0889	0.1553	0.2442	0.0389	0.1456	0.1845	0.0000	297.4449	297.4449	0.0650	0.0000	299.0694

	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	38.74	0.00	17.00	45.38	0.00	12.53	0.00	0.00	0.00	0.00	0.00	0.00

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	0.2659	5.8200e-003	0.2249	3.0000e-005		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	4.1091	4.1091	4.3000e-004	7.0000e-005	4.1402
Energy	5.8200e-003	0.0497	0.0212	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	116.4261	116.4261	4.5200e-003	1.7600e-003	117.0643
Mobile	0.1266	0.6006	1.4174	3.3400e-003	0.2432	5.9200e-003	0.2491	0.0655	5.6100e-003	0.0711	0.0000	305.5379	305.5379	0.0161	0.0000	305.9401
Waste						0.0000	0.0000		0.0000	0.0000	7.3320	0.0000	7.3320	0.4333	0.0000	18.1648
Water						0.0000	0.0000		0.0000	0.0000	0.6201	3.3746	3.9947	0.0639	1.5400e-003	6.0521
Total	0.3983	0.6561	1.6635	3.6900e-003	0.2432	0.0114	0.2546	0.0655	0.0111	0.0766	7.9521	429.4477	437.3998	0.5182	3.3700e-003	451.3614

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	0.2659	5.8200e-003	0.2249	3.0000e-005		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	4.1091	4.1091	4.3000e-004	7.0000e-005	4.1402
Energy	4.3300e-003	0.0370	0.0158	2.4000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	101.0221	101.0221	4.2000e-003	1.4800e-003	101.5693
Mobile	0.1266	0.6006	1.4174	3.3400e-003	0.2432	5.9200e-003	0.2491	0.0655	5.6100e-003	0.0711	0.0000	305.5379	305.5379	0.0161	0.0000	305.9401
Waste						0.0000	0.0000		0.0000	0.0000	7.3320	0.0000	7.3320	0.4333	0.0000	18.1648
Water						0.0000	0.0000		0.0000	0.0000	0.4961	2.6996	3.1957	0.0511	1.2400e-003	4.8417
Total	0.3969	0.6434	1.6581	3.6100e-003	0.2432	0.0104	0.2536	0.0655	0.0101	0.0755	7.8281	413.3687	421.1968	0.5051	2.7900e-003	434.6560

	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	0.37	1.94	0.32	2.17	0.00	9.01	0.40	0.00	9.26	1.35	1.56	3.74	3.70	2.53	17.21	3.70

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2018	4/6/2018	5	5	
2	Site Preparation	Site Preparation	4/7/2018	4/21/2018	5	10	
3	Grading	Grading	4/22/2018	5/4/2018	5	10	
4	Building Construction	Building Construction	5/5/2018	5/3/2019	5	260	
5	Paving	Paving	5/4/2019	5/31/2019	5	20	
6	Architectural Coating	Architectural Coating	6/1/2019	8/23/2019	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5.75

Acres of Paving: 1.4

Residential Indoor: 111,375; Residential Outdoor: 37,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Demolition	6	15.00	0.00	7.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	36.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

Category	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
	tons/yr										MT/yr					
Fugitive Dust					7.4000e-004	0.0000	7.4000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3000e-003	0.0958	0.0558	1.0000e-004		4.8500e-003	4.8500e-003		4.5100e-003	4.5100e-003	0.0000	8.7810	8.7810	2.4200e-003	0.0000	8.8415

Total	9.3000e-003	0.0958	0.0558	1.0000e-004	7.4000e-004	4.8500e-003	5.5900e-003	1.1000e-004	4.5100e-003	4.6200e-003	0.0000	8.7810	8.7810	2.4200e-003	0.0000	8.8415
--------------	--------------------	---------------	---------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	---------------	---------------	---------------	--------------------	---------------	---------------

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	4.0000e-005	1.2000e-003	2.4000e-004	0.0000	6.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2756	0.2756	2.0000e-005	0.0000	0.2760
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	2.1000e-004	1.7000e-004	1.6400e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2881	0.2881	1.0000e-005	0.0000	0.2884
Total	2.5000e-004	1.3700e-003	1.8800e-003	0.0000	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.5637	0.5637	3.0000e-005	0.0000	0.5645

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					
Fugitive Dust					3.3000e-004	0.0000	3.3000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3000e-003	0.0958	0.0558	1.0000e-004		4.8500e-003	4.8500e-003		4.5100e-003	4.5100e-003	0.0000	8.7810	8.7810	2.4200e-003	0.0000	8.8415
Total	9.3000e-003	0.0958	0.0558	1.0000e-004	3.3000e-004	4.8500e-003	5.1800e-003	5.0000e-005	4.5100e-003	4.5600e-003	0.0000	8.7810	8.7810	2.4200e-003	0.0000	8.8415

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	4.0000e-005	1.2000e-003	2.4000e-004	0.0000	6.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2756	0.2756	2.0000e-005	0.0000	0.2760
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	2.1000e-004	1.7000e-004	1.6400e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2881	0.2881	1.0000e-005	0.0000	0.2884
Total	2.5000e-004	1.3700e-003	1.8800e-003	0.0000	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.5637	0.5637	3.0000e-005	0.0000	0.5645

3.3 Site Preparation - 2018

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					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152

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	5.2000e-004	4.0000e-004	3.9400e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6915	0.6915	3.0000e-005	0.0000	0.6922
Total	5.2000e-004	4.0000e-004	3.9400e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6915	0.6915	3.0000e-005	0.0000	0.6922

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					
Fugitive Dust					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0407	0.0129	0.0535	0.0223	0.0119	0.0342	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152

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	5.2000e-004	4.0000e-004	3.9400e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6915	0.6915	3.0000e-005	0.0000	0.6922
Total	5.2000e-004	4.0000e-004	3.9400e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6915	0.6915	3.0000e-005	0.0000	0.6922

3.4 Grading - 2018

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					
Fugitive Dust					0.0332	0.0000	0.0332	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.1534	0.0829	1.5000e-004		7.7600e-003	7.7600e-003		7.1400e-003	7.1400e-003	0.0000	13.5534	13.5534	4.2200e-003	0.0000	13.6589
Total	0.0139	0.1534	0.0829	1.5000e-004	0.0332	7.7600e-003	0.0409	0.0169	7.1400e-003	0.0240	0.0000	13.5534	13.5534	4.2200e-003	0.0000	13.6589

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	4.3000e-004	3.3000e-004	3.2900e-003	1.0000e-005	5.9000e-004	1.0000e-005	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5762	0.5762	3.0000e-005	0.0000	0.5769
Total	4.3000e-004	3.3000e-004	3.2900e-003	1.0000e-005	5.9000e-004	1.0000e-005	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5762	0.5762	3.0000e-005	0.0000	0.5769

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					
Fugitive Dust					0.0149	0.0000	0.0149	7.6000e-003	0.0000	7.6000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0139	0.1534	0.0829	1.5000e-004		7.7600e-003	7.7600e-003		7.1400e-003	7.1400e-003	0.0000	13.5534	13.5534	4.2200e-003	0.0000	13.6589
Total	0.0139	0.1534	0.0829	1.5000e-004	0.0149	7.7600e-003	0.0227	7.6000e-003	7.1400e-003	0.0147	0.0000	13.5534	13.5534	4.2200e-003	0.0000	13.6589

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	4.3000e-004	3.3000e-004	3.2900e-003	1.0000e-005	5.9000e-004	1.0000e-005	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5762	0.5762	3.0000e-005	0.0000	0.5769
Total	4.3000e-004	3.3000e-004	3.2900e-003	1.0000e-005	5.9000e-004	1.0000e-005	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5762	0.5762	3.0000e-005	0.0000	0.5769

3.5 Building Construction - 2018

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	0.2291	1.9999	1.5031	2.3000e-003		0.1282	0.1282		0.1206	0.1206	0.0000	203.2910	203.2910	0.0498	0.0000	204.5361
Total	0.2291	1.9999	1.5031	2.3000e-003		0.1282	0.1282		0.1206	0.1206	0.0000	203.2910	203.2910	0.0498	0.0000	204.5361

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	6.3500e-003	0.1558	0.0436	3.0000e-004	7.2100e-003	1.3700e-003	8.5800e-003	2.0800e-003	1.3100e-003	3.3900e-003	0.0000	28.9610	28.9610	1.9800e-003	0.0000	29.0106
Worker	0.0176	0.0137	0.1349	2.6000e-004	0.0242	2.1000e-004	0.0244	6.4300e-003	2.0000e-004	6.6300e-003	0.0000	23.6474	23.6474	1.0500e-003	0.0000	23.6738
Total	0.0240	0.1694	0.1785	5.6000e-004	0.0314	1.5800e-003	0.0330	8.5100e-003	1.5100e-003	0.0100	0.0000	52.6085	52.6085	3.0300e-003	0.0000	52.6844

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	0.2291	1.9998	1.5031	2.3000e-003		0.1282	0.1282		0.1206	0.1206	0.0000	203.2907	203.2907	0.0498	0.0000	204.5359
Total	0.2291	1.9998	1.5031	2.3000e-003		0.1282	0.1282		0.1206	0.1206	0.0000	203.2907	203.2907	0.0498	0.0000	204.5359

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	6.3500e-003	0.1558	0.0436	3.0000e-004	7.2100e-003	1.3700e-003	8.5800e-003	2.0800e-003	1.3100e-003	3.3900e-003	0.0000	28.9610	28.9610	1.9800e-003	0.0000	29.0106
Worker	0.0176	0.0137	0.1349	2.6000e-004	0.0242	2.1000e-004	0.0244	6.4300e-003	2.0000e-004	6.6300e-003	0.0000	23.6474	23.6474	1.0500e-003	0.0000	23.6738
Total	0.0240	0.1694	0.1785	5.6000e-004	0.0314	1.5800e-003	0.0330	8.5100e-003	1.5100e-003	0.0100	0.0000	52.6085	52.6085	3.0300e-003	0.0000	52.6844

3.5 Building Construction - 2019
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	0.1051	0.9380	0.7638	1.2000e-003		0.0574	0.0574		0.0540	0.0540	0.0000	104.6214	104.6214	0.0255	0.0000	105.2585
Total	0.1051	0.9380	0.7638	1.2000e-003		0.0574	0.0574		0.0540	0.0540	0.0000	104.6214	104.6214	0.0255	0.0000	105.2585

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	2.9100e-003	0.0767	0.0203	1.6000e-004	3.7500e-003	6.0000e-004	4.3500e-003	1.0800e-003	5.7000e-004	1.6600e-003	0.0000	14.9635	14.9635	9.9000e-004	0.0000	14.9883
Worker	8.3200e-003	6.2700e-003	0.0623	1.3000e-004	0.0126	1.1000e-004	0.0127	3.3500e-003	1.0000e-004	3.4400e-003	0.0000	11.9506	11.9506	4.8000e-004	0.0000	11.9627
Total	0.0112	0.0829	0.0826	2.9000e-004	0.0163	7.1000e-004	0.0170	4.4300e-003	6.7000e-004	5.1000e-003	0.0000	26.9141	26.9141	1.4700e-003	0.0000	26.9510

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	0.1051	0.9380	0.7638	1.2000e-003		0.0574	0.0574		0.0540	0.0540	0.0000	104.6212	104.6212	0.0255	0.0000	105.2584
Total	0.1051	0.9380	0.7638	1.2000e-003		0.0574	0.0574		0.0540	0.0540	0.0000	104.6212	104.6212	0.0255	0.0000	105.2584

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	2.9100e-003	0.0767	0.0203	1.6000e-004	3.7500e-003	6.0000e-004	4.3500e-003	1.0800e-003	5.7000e-004	1.6600e-003	0.0000	14.9635	14.9635	9.9000e-004	0.0000	14.9883
Worker	8.3200e-003	6.2700e-003	0.0623	1.3000e-004	0.0126	1.1000e-004	0.0127	3.3500e-003	1.0000e-004	3.4400e-003	0.0000	11.9506	11.9506	4.8000e-004	0.0000	11.9627
Total	0.0112	0.0829	0.0826	2.9000e-004	0.0163	7.1000e-004	0.0170	4.4300e-003	6.7000e-004	5.1000e-003	0.0000	26.9141	26.9141	1.4700e-003	0.0000	26.9510

3.6 Paving - 2019

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	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Paving	1.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

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	7.8000e-004	5.9000e-004	5.8400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1190	1.1190	5.0000e-005	0.0000	1.1201
Total	7.8000e-004	5.9000e-004	5.8400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1190	1.1190	5.0000e-005	0.0000	1.1201

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	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	1.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

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	7.8000e-004	5.9000e-004	5.8400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1190	1.1190	5.0000e-005	0.0000	1.1201
Total	7.8000e-004	5.9000e-004	5.8400e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1190	1.1190	5.0000e-005	0.0000	1.1201

3.7 Architectural Coating - 2019
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	0.3999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9900e-003	0.0551	0.0552	9.0000e-005		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	7.6598	7.6598	6.5000e-004	0.0000	7.6759
Total	0.4079	0.0551	0.0552	9.0000e-005		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	7.6598	7.6598	6.5000e-004	0.0000	7.6759

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	1.0900e-003	8.2000e-004	8.1700e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5666	1.5666	6.0000e-005	0.0000	1.5682
Total	1.0900e-003	8.2000e-004	8.1700e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5666	1.5666	6.0000e-005	0.0000	1.5682

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	0.3999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9900e-003	0.0551	0.0552	9.0000e-005		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	7.6598	7.6598	6.5000e-004	0.0000	7.6759
Total	0.4079	0.0551	0.0552	9.0000e-005		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	7.6598	7.6598	6.5000e-004	0.0000	7.6759

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	1.0900e-003	8.2000e-004	8.1700e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5666	1.5666	6.0000e-005	0.0000	1.5682
Total	1.0900e-003	8.2000e-004	8.1700e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5666	1.5666	6.0000e-005	0.0000	1.5682

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	0.1266	0.6006	1.4174	3.3400e-003	0.2432	5.9200e-003	0.2491	0.0655	5.6100e-003	0.0711	0.0000	305.5379	305.5379	0.0161	0.0000	305.9401
Unmitigated	0.1266	0.6006	1.4174	3.3400e-003	0.2432	5.9200e-003	0.2491	0.0655	5.6100e-003	0.0711	0.0000	305.5379	305.5379	0.0161	0.0000	305.9401

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	285.90	297.30	258.60	655,071	655,071
Total	285.90	297.30	258.60	655,071	655,071

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190
Single Family Housing	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	58.1668	58.1668	3.3800e-003	7.0000e-004	58.4593
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	58.8691	58.8691	3.4200e-003	7.1000e-004	59.1652
NaturalGas Mitigated	4.3300e-003	0.0370	0.0158	2.4000e-004	2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	42.8553	42.8553	8.2000e-004	7.9000e-004	43.1100	
NaturalGas Unmitigated	5.8200e-003	0.0497	0.0212	3.2000e-004	4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5570	57.5570	1.1000e-003	1.0600e-003	57.8990	

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					
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
Single Family Housing	1.07858e+006	5.8200e-003	0.0497	0.0212	3.2000e-004	4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5570	57.5570	1.1000e-003	1.0600e-003	57.8990	
Total		5.8200e-003	0.0497	0.0212	3.2000e-004	4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003	0.0000	57.5570	57.5570	1.1000e-003	1.0600e-003	57.8990	

Mitigated

	Natural Gas 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					
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
Single Family Housing	803078	4.3300e-003	0.0370	0.0158	2.4000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	42.8553	42.8553	8.2000e-004	7.9000e-004	43.1100
Total		4.3300e-003	0.0370	0.0158	2.4000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	42.8553	42.8553	8.2000e-004	7.9000e-004	43.1100

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	259745	58.8691	3.4200e-003	7.1000e-004	59.1652
Total		58.8691	3.4200e-003	7.1000e-004	59.1652

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	256646	58.1668	3.3800e-003	7.0000e-004	58.4593

Total		58.1668	3.3800e-003	7.0000e-004	58.4593
-------	--	---------	-------------	-------------	---------

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	0.2659	5.8200e-003	0.2249	3.0000e-005		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	4.1091	4.1091	4.3000e-004	7.0000e-005	4.1402
Unmitigated	0.2659	5.8200e-003	0.2249	3.0000e-005		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	4.1091	4.1091	4.3000e-004	7.0000e-005	4.1402

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	0.0400					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.8000e-004	3.2300e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7452	3.7452	7.0000e-005	7.0000e-005	3.7674
Landscaping	6.8100e-003	2.5900e-003	0.2235	1.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	0.3639	0.3639	3.5000e-004	0.0000	0.3728
Total	0.2659	5.8200e-003	0.2249	3.0000e-005		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	4.1091	4.1091	4.2000e-004	7.0000e-005	4.1402

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	0.0400					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.8000e-004	3.2300e-003	1.3800e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7452	3.7452	7.0000e-005	7.0000e-005	3.7674
Landscaping	6.8100e-003	2.5900e-003	0.2235	1.0000e-005		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	0.3639	0.3639	3.5000e-004	0.0000	0.3728
Total	0.2659	5.8200e-003	0.2249	3.0000e-005		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	4.1091	4.1091	4.2000e-004	7.0000e-005	4.1402

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.1957	0.0511	1.2400e-003	4.8417
Unmitigated	3.9947	0.0639	1.5400e-003	6.0521

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.95462 / 1.23226	3.9947	0.0639	1.5400e-003	6.0521
Total		3.9947	0.0639	1.5400e-003	6.0521

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.5637 / 0.985809	3.1957	0.0511	1.2400e-003	4.8417
Total		3.1957	0.0511	1.2400e-003	4.8417

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
--	-----------	-----	-----	------

	MT/yr			
Mitigated	7.3320	0.4333	0.0000	18.1648
Unmitigated	7.3320	0.4333	0.0000	18.1648

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	36.12	7.3320	0.4333	0.0000	18.1648
Total		7.3320	0.4333	0.0000	18.1648

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	36.12	7.3320	0.4333	0.0000	18.1648
Total		7.3320	0.4333	0.0000	18.1648

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Bellevue Ranch 7 - Sonoma-San Francisco County, Summer

Bellevue Ranch 7
Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.40	Acre	1.40	60,984.00	0
Single Family Housing	30.00	Dwelling Unit	4.35	55,000.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	75
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	499.66	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Adjusted CO2 intensity based on 33% RPS in 2020
- Land Use - 30 single family homes and estimated 1.4 acres of paved roadways on 5.75-acre site
- Construction Phase - Matched the durations provided by Ryder
- Demolition - 1,500 SF existing building demolished
- Grading - Balanced site
- Vehicle Trips - 286 Daily trips (9.53 trips/du) assumed per City input
- Woodstoves - Only gas fireplaces assumed per BAAQMD Regulation 6, Rule 3 - Wood Burning Devices
- Construction Off-road Equipment Mitigation - Basic control measures - water exposed area 2x per day and 15mph vehicle speed on unpaved areas
- Energy Mitigation - Compliance with 2016 Title 24 (28% improvement over 2013 standards for single family homes)
- Water Mitigation - 20% water reduction per statewide requirement

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	230.00	260.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	10.00
tblFireplaces	NumberGas	7.50	30.00
tblFireplaces	NumberNoFireplace	2.40	0.00
tblFireplaces	NumberWood	12.90	0.00
tblGrading	AcresOfGrading	5.00	5.75
tblLandUse	BuildingSpaceSquareFeet	54,000.00	55,000.00
tblLandUse	LandUseSquareFeet	54,000.00	55,000.00
tblLandUse	LotAcreage	9.74	4.35
tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	WD_TR	9.52	9.53
tblWoodstoves	NumberCatalytic	1.20	0.00
tblWoodstoves	NumberNoncatalytic	1.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	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
Year	lb/day										lb/day					
2018	4.6682	48.2703	23.3040	0.0413	18.2141	2.5782	20.7923	9.9699	2.3719	12.3418	0.0000	4,129.097 1	4,129.097 1	1.1999	0.0000	4,156.101 1
2019	13.6333	22.9058	19.0668	0.0336	0.3832	1.3055	1.6888	0.1036	1.2276	1.3312	0.0000	3,280.485 6	3,280.485 6	0.7193	0.0000	3,297.176 0
Maximum	13.6333	48.2703	23.3040	0.0413	18.2141	2.5782	20.7923	9.9699	2.3719	12.3418	0.0000	4,129.097 1	4,129.097 1	1.1999	0.0000	4,156.101 1

Mitigated Construction

	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
Year	lb/day										lb/day					
2018	4.6682	48.2703	23.3040	0.0413	8.2777	2.5782	10.8558	4.5080	2.3719	6.8799	0.0000	4,129.097 1	4,129.097 1	1.1999	0.0000	4,156.101 1
2019	13.6333	22.9058	19.0668	0.0336	0.3832	1.3055	1.6888	0.1036	1.2276	1.3312	0.0000	3,280.485 6	3,280.485 6	0.7193	0.0000	3,297.176 0
Maximum	13.6333	48.2703	23.3040	0.0413	8.2777	2.5782	10.8558	4.5080	2.3719	6.8799	0.0000	4,129.097 1	4,129.097 1	1.1999	0.0000	4,156.101 1
Percent Reduction	0.00	0.00	0.00	0.00	53.43	0.00	44.20	54.22	0.00	39.95	0.00	0.00	0.00	0.00	0.00	0.00

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	lb/day										lb/day					
Area	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465
Energy	0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137
Mobile	0.8077	3.3368	8.2510	0.0202	1.4645	0.0340	1.4984	0.3927	0.0322	0.4249		2,033.2886	2,033.2886	0.1023		2,035.8449
Total	2.4008	4.2184	11.0974	0.0257	1.4645	0.1166	1.5811	0.3927	0.1148	0.5075	0.0000	3,126.5698	3,126.5698	0.1275	0.0200	3,135.7050

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	lb/day										lb/day					
Area	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465
Energy	0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868
Mobile	0.8077	3.3368	8.2510	0.0202	1.4645	0.0340	1.4984	0.3927	0.0322	0.4249		2,033.2886	2,033.2886	0.1023		2,035.8449
Total	2.3927	4.1489	11.0678	0.0253	1.4645	0.1110	1.5754	0.3927	0.1092	0.5018	0.0000	3,037.7706	3,037.7706	0.1258	0.0183	3,046.3781

	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	0.34	1.65	0.27	1.75	0.00	4.83	0.36	0.00	4.91	1.11	0.00	2.84	2.84	1.33	8.12	2.85

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2018	4/6/2018	5	5	
2	Site Preparation	Site Preparation	4/7/2018	4/21/2018	5	10	
3	Grading	Grading	4/22/2018	5/4/2018	5	10	
4	Building Construction	Building Construction	5/5/2018	5/3/2019	5	260	
5	Paving	Paving	5/4/2019	5/31/2019	5	20	
6	Architectural Coating	Architectural Coating	6/1/2019	8/23/2019	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5.75

Acres of Paving: 1.4

Residential Indoor: 111,375; Residential Outdoor: 37,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Demolition	6	15.00	0.00	7.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	36.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

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	lb/day										lb/day					
Fugitive Dust					0.2953	0.0000	0.2953	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344

Total	3.7190	38.3225	22.3040	0.0388	0.2953	1.9386	2.2339	0.0447	1.8048	1.8495		3,871.766	3,871.766	1.0667		3,898.434
												5	5			4

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	lb/day										lb/day					
Hauling	0.0140	0.4718	0.0941	1.1400e-003	0.0242	2.6100e-003	0.0268	6.6000e-003	2.5000e-003	9.1000e-003		122.1774	122.1774	7.5600e-003		122.3665
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
Worker	0.0879	0.0596	0.6897	1.3600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		135.1532	135.1532	5.8800e-003		135.3003
Total	0.1018	0.5313	0.7839	2.5000e-003	0.1474	3.6400e-003	0.1511	0.0393	3.4600e-003	0.0427		257.3306	257.3306	0.0134		257.6667

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	lb/day										lb/day					
Fugitive Dust					0.1329	0.0000	0.1329	0.0201	0.0000	0.0201			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.766	3,871.766	1.0667		3,898.434
												5	5			4
Total	3.7190	38.3225	22.3040	0.0388	0.1329	1.9386	2.0714	0.0201	1.8048	1.8250	0.0000	3,871.766	3,871.766	1.0667		3,898.434
												5	5			4

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	lb/day										lb/day					
Hauling	0.0140	0.4718	0.0941	1.1400e-003	0.0242	2.6100e-003	0.0268	6.6000e-003	2.5000e-003	9.1000e-003		122.1774	122.1774	7.5600e-003		122.3665
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
Worker	0.0879	0.0596	0.6897	1.3600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		135.1532	135.1532	5.8800e-003		135.3003
Total	0.1018	0.5313	0.7839	2.5000e-003	0.1474	3.6400e-003	0.1511	0.0393	3.4600e-003	0.0427		257.3306	257.3306	0.0134		257.6667

3.3 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

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	lb/day										lb/day					
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
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

Worker	0.1054	0.0715	0.8277	1.6300e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		162.1839	162.1839	7.0600e-003		162.3603
Total	0.1054	0.0715	0.8277	1.6300e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		162.1839	162.1839	7.0600e-003		162.3603

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	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	8.1298	2.5769	10.7067	4.4688	2.3708	6.8396	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

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	lb/day										lb/day					
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
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
Worker	0.1054	0.0715	0.8277	1.6300e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		162.1839	162.1839	7.0600e-003		162.3603
Total	0.1054	0.0715	0.8277	1.6300e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		162.1839	162.1839	7.0600e-003		162.3603

3.4 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					6.6319	0.0000	6.6319	3.3761	0.0000	3.3761			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.6319	1.5513	8.1832	3.3761	1.4272	4.8033		2,988.0216	2,988.0216	0.9302		3,011.2769

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	lb/day										lb/day					
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
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
Worker	0.0879	0.0596	0.6897	1.3600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		135.1532	135.1532	5.8800e-003		135.3003
Total	0.0879	0.0596	0.6897	1.3600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		135.1532	135.1532	5.8800e-003		135.3003

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	lb/day										lb/day					
Fugitive Dust					2.9843	0.0000	2.9843	1.5192	0.0000	1.5192			0.0000			0.0000

Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	2.9843	1.5513	4.5357	1.5192	1.4272	2.9464	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	lb/day										lb/day					
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
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
Worker	0.0879	0.0596	0.6897	1.3600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		135.1532	135.1532	5.8800e-003		135.3003
Total	0.0879	0.0596	0.6897	1.3600e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		135.1532	135.1532	5.8800e-003		135.3003

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

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	lb/day										lb/day					
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
Vendor	0.0728	1.7978	0.4802	3.5500e-003	0.0875	0.0159	0.1034	0.0252	0.0152	0.0404		376.5916	376.5916	0.0247		377.2090
Worker	0.2109	0.1430	1.6554	3.2600e-003	0.2957	2.4800e-003	0.2982	0.0784	2.2900e-003	0.0807		324.3677	324.3677	0.0141		324.7206
Total	0.2837	1.9407	2.1356	6.8100e-003	0.3833	0.0184	0.4016	0.1036	0.0175	0.1211		700.9593	700.9593	0.0388		701.9296

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	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	lb/day										lb/day					
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

Vendor	0.0728	1.7978	0.4802	3.5500e-003	0.0875	0.0159	0.1034	0.0252	0.0152	0.0404		376.5916	376.5916	0.0247		377.2090
Worker	0.2109	0.1430	1.6554	3.2600e-003	0.2957	2.4800e-003	0.2982	0.0784	2.2900e-003	0.0807		324.3677	324.3677	0.0141		324.7206
Total	0.2837	1.9407	2.1356	6.8100e-003	0.3833	0.0184	0.4016	0.1036	0.0175	0.1211		700.9593	700.9593	0.0388		701.9296

3.5 Building Construction - 2019
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	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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	lb/day										lb/day					
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
Vendor	0.0641	1.7013	0.4293	3.5200e-003	0.0875	0.0133	0.1008	0.0252	0.0127	0.0379		373.9079	373.9079	0.0238		374.5020
Worker	0.1916	0.1258	1.4737	3.1700e-003	0.2957	2.3900e-003	0.2981	0.0784	2.2000e-003	0.0807		314.9976	314.9976	0.0125		315.3105
Total	0.2557	1.8270	1.9030	6.6900e-003	0.3832	0.0157	0.3989	0.1036	0.0149	0.1185		688.9055	688.9055	0.0363		689.8125

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	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

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	lb/day										lb/day					
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
Vendor	0.0641	1.7013	0.4293	3.5200e-003	0.0875	0.0133	0.1008	0.0252	0.0127	0.0379		373.9079	373.9079	0.0238		374.5020
Worker	0.1916	0.1258	1.4737	3.1700e-003	0.2957	2.3900e-003	0.2981	0.0784	2.2000e-003	0.0807		314.9976	314.9976	0.0125		315.3105
Total	0.2557	1.8270	1.9030	6.6900e-003	0.3832	0.0157	0.3989	0.1036	0.0149	0.1185		688.9055	688.9055	0.0363		689.8125

3.6 Paving - 2019

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	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Paving	0.1834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6378	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586			2,257.0025	2,257.0025	0.7141	2,274.8548

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	lb/day										lb/day					
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
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
Worker	0.0798	0.0524	0.6140	1.3200e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		131.2490	131.2490	5.2200e-003		131.3794
Total	0.0798	0.0524	0.6140	1.3200e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		131.2490	131.2490	5.2200e-003		131.3794

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	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6378	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	lb/day										lb/day					
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
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
Worker	0.0798	0.0524	0.6140	1.3200e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		131.2490	131.2490	5.2200e-003		131.3794
Total	0.0798	0.0524	0.6140	1.3200e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		131.2490	131.2490	5.2200e-003		131.3794

3.7 Architectural Coating - 2019
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	lb/day										lb/day					
Archit. Coating	13.3296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.5960	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	lb/day										lb/day					
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

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	0.0373	0.0245	0.2866	6.2000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		61.2495	61.2495	2.4300e-003		61.3104
Total	0.0373	0.0245	0.2866	6.2000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		61.2495	61.2495	2.4300e-003		61.3104

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	lb/day										lb/day					
Archit. Coating	13.3296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.5960	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	lb/day										lb/day					
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
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
Worker	0.0373	0.0245	0.2866	6.2000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		61.2495	61.2495	2.4300e-003		61.3104
Total	0.0373	0.0245	0.2866	6.2000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		61.2495	61.2495	2.4300e-003		61.3104

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	lb/day										lb/day					
Mitigated	0.8077	3.3368	8.2510	0.0202	1.4645	0.0340	1.4984	0.3927	0.0322	0.4249		2,033.288	2,033.288	0.1023		2,035.844
Unmitigated	0.8077	3.3368	8.2510	0.0202	1.4645	0.0340	1.4984	0.3927	0.0322	0.4249		2,033.288	2,033.288	0.1023		2,035.844

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	285.90	297.30	258.60	655,071	655,071
Total	285.90	297.30	258.60	655,071	655,071

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190
Single Family Housing	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	lb/day										lb/day					
NaturalGas Mitigated	0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868
NaturalGas Unmitigated	0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137

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	lb/day										lb/day					
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
Single Family Housing	2955.01	0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137
Total		0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137

Mitigated

	Natural Gas 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	lb/day										lb/day					
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
Single Family Housing	2.20021	0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868
Total		0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868

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	lb/day										lb/day					
Mitigated	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465
Unmitigated	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465

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	lb/day										lb/day						
Architectural Coating	0.2191					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Consumer Products	1.1986					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Hearth	0.0679	0.5806	0.2471	3.7100e-003		0.0469	0.0469			0.0469	0.0469	0.0000	741.1765	741.1765	0.0142	0.0136	745.5809
Landscaping	0.0756	0.0287	2.4834	1.3000e-004		0.0137	0.0137			0.0137	0.0137		4.4569	4.4569	4.3500e-003		4.5655
Total	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606			0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465

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	lb/day										lb/day						
Architectural Coating	0.2191					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1986					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Hearth	0.0679	0.5806	0.2471	3.7100e-003		0.0469	0.0469			0.0469	0.0469	0.0000	741.1765	741.1765	0.0142	0.0136	745.5809
Landscaping	0.0756	0.0287	2.4834	1.3000e-004		0.0137	0.0137			0.0137	0.0137		4.4569	4.4569	4.3500e-003		4.5655
Total	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606			0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Bellevue Ranch 7 - Sonoma-San Francisco County, Winter

Bellevue Ranch 7
Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.40	Acre	1.40	60,984.00	0
Single Family Housing	30.00	Dwelling Unit	4.35	55,000.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	75
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	499.66	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity based on 33% RPS in 2020

Land Use - 30 single family homes and estimated 1.4 acres of paved roadways on 5.75-acre site

Construction Phase - Matched the durations provided by Ryder

Demolition - 1,500 SF existing building demolished

Grading - Balanced site

Vehicle Trips - 286 Daily trips (9.53 trips/du) assumed per City input

Woodstoves - Only gas fireplaces assumed per BAAQMD Regulation 6, Rule 3 - Wood Burning Devices

Construction Off-road Equipment Mitigation - Basic control measures - water exposed area 2x per day and 15mph vehicle speed on unpaved areas

Energy Mitigation - Compliance with 2016 Title 24 (28% improvement over 2013 standards for single family homes)

Water Mitigation - 20% water reduction per statewide requirement

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	230.00	260.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	20.00	10.00
tblFireplaces	NumberGas	7.50	30.00
tblFireplaces	NumberNoFireplace	2.40	0.00
tblFireplaces	NumberWood	12.90	0.00
tblGrading	AcresOfGrading	5.00	5.75
tblLandUse	BuildingSpaceSquareFeet	54,000.00	55,000.00
tblLandUse	LandUseSquareFeet	54,000.00	55,000.00
tblLandUse	LotAcreage	9.74	4.35
tblProjectCharacteristics	CO2IntensityFactor	641.35	499.66
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	WD_TR	9.52	9.53
tblWoodstoves	NumberCatalytic	1.20	0.00
tblWoodstoves	NumberNoncatalytic	1.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	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
Year	lb/day										lb/day					
2018	4.6767	48.2873	23.2920	0.0412	18.2141	2.5782	20.7923	9.9699	2.3719	12.3418	0.0000	4,118.0086	4,118.0086	1.1997	0.0000	4,145.0178
2019	13.6362	22.9603	19.0984	0.0333	0.3832	1.3058	1.6891	0.1036	1.2279	1.3315	0.0000	3,250.5216	3,250.5216	0.7191	0.0000	3,267.2501
Maximum	13.6362	48.2873	23.2920	0.0412	18.2141	2.5782	20.7923	9.9699	2.3719	12.3418	0.0000	4,118.0086	4,118.0086	1.1997	0.0000	4,145.0178

Mitigated Construction

	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
Year	lb/day										lb/day					
2018	4.6767	48.2873	23.2920	0.0412	8.2777	2.5782	10.8558	4.5080	2.3719	6.8799	0.0000	4,118.0086	4,118.0086	1.1997	0.0000	4,145.0177
2019	13.6362	22.9603	19.0984	0.0333	0.3832	1.3058	1.6891	0.1036	1.2279	1.3315	0.0000	3,250.5216	3,250.5216	0.7191	0.0000	3,267.2501
Maximum	13.6362	48.2873	23.2920	0.0412	8.2777	2.5782	10.8558	4.5080	2.3719	6.8799	0.0000	4,118.0086	4,118.0086	1.1997	0.0000	4,145.0177
Percent Reduction	0.00	0.00	0.00	0.00	53.43	0.00	44.20	54.22	0.00	39.95	0.00	0.00	0.00	0.00	0.00	0.00

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	lb/day										lb/day					
Area	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465
Energy	0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137
Mobile	0.7331	3.5529	8.6117	0.0191	1.4645	0.0344	1.4989	0.3927	0.0326	0.4253		1,921.6016	1,921.6016	0.1050		1,924.2258
Total	2.3263	4.4345	11.4580	0.0246	1.4645	0.1170	1.5815	0.3927	0.1152	0.5079	0.0000	3,014.8828	3,014.8828	0.1302	0.0200	3,024.0860

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	lb/day										lb/day					
Area	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465
Energy	0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868
Mobile	0.7331	3.5529	8.6117	0.0191	1.4645	0.0344	1.4989	0.3927	0.0326	0.4253		1,921.6016	1,921.6016	0.1050		1,924.2258
Total	2.3181	4.3650	11.4284	0.0242	1.4645	0.1114	1.5758	0.3927	0.1096	0.5022	0.0000	2,926.0836	2,926.0836	0.1285	0.0183	2,934.7591

	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	0.35	1.57	0.26	1.83	0.00	4.81	0.36	0.00	4.89	1.11	0.00	2.95	2.95	1.31	8.12	2.95

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2018	4/6/2018	5	5	
2	Site Preparation	Site Preparation	4/7/2018	4/21/2018	5	10	
3	Grading	Grading	4/22/2018	5/4/2018	5	10	
4	Building Construction	Building Construction	5/5/2018	5/3/2019	5	260	
5	Paving	Paving	5/4/2019	5/31/2019	5	20	
6	Architectural Coating	Architectural Coating	6/1/2019	8/23/2019	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5.75

Acres of Paving: 1.4

Residential Indoor: 111,375; Residential Outdoor: 37,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

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
Demolition	6	15.00	0.00	7.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	36.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2018

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	lb/day										lb/day					
Fugitive Dust					0.2953	0.0000	0.2953	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344

Total	3.7190	38.3225	22.3040	0.0388	0.2953	1.9386	2.2339	0.0447	1.8048	1.8495		3,871.766	3,871.766	1.0667		3,898.434
												5	5			4

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	lb/day										lb/day					
Hauling	0.0144	0.4844	0.1017	1.1200e-003	0.0242	2.6800e-003	0.0269	6.6000e-003	2.5600e-003	9.1600e-003		120.6116	120.6116	7.9400e-003		120.8102
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
Worker	0.0950	0.0738	0.6797	1.2700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		125.6305	125.6305	5.7100e-003		125.7732
Total	0.1094	0.5582	0.7815	2.3900e-003	0.1474	3.7100e-003	0.1511	0.0393	3.5200e-003	0.0428		246.2421	246.2421	0.0137		246.5834

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	lb/day										lb/day					
Fugitive Dust					0.1329	0.0000	0.1329	0.0201	0.0000	0.0201			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.766	3,871.766	1.0667		3,898.434
												5	5			4
Total	3.7190	38.3225	22.3040	0.0388	0.1329	1.9386	2.0714	0.0201	1.8048	1.8250	0.0000	3,871.766	3,871.766	1.0667		3,898.434
												5	5			4

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	lb/day										lb/day					
Hauling	0.0144	0.4844	0.1017	1.1200e-003	0.0242	2.6800e-003	0.0269	6.6000e-003	2.5600e-003	9.1600e-003		120.6116	120.6116	7.9400e-003		120.8102
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
Worker	0.0950	0.0738	0.6797	1.2700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		125.6305	125.6305	5.7100e-003		125.7732
Total	0.1094	0.5582	0.7815	2.3900e-003	0.1474	3.7100e-003	0.1511	0.0393	3.5200e-003	0.0428		246.2421	246.2421	0.0137		246.5834

3.3 Site Preparation - 2018

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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

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	lb/day										lb/day					
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
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

Worker	0.1140	0.0885	0.8157	1.5200e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		150.7566	150.7566	6.8500e-003		150.9278
Total	0.1140	0.0885	0.8157	1.5200e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		150.7566	150.7566	6.8500e-003		150.9278

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	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	8.1298	2.5769	10.7067	4.4688	2.3708	6.8396	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

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	lb/day										lb/day					
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
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
Worker	0.1140	0.0885	0.8157	1.5200e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		150.7566	150.7566	6.8500e-003		150.9278
Total	0.1140	0.0885	0.8157	1.5200e-003	0.1479	1.2400e-003	0.1491	0.0392	1.1500e-003	0.0404		150.7566	150.7566	6.8500e-003		150.9278

3.4 Grading - 2018

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	lb/day										lb/day					
Fugitive Dust					6.6319	0.0000	6.6319	3.3761	0.0000	3.3761			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.6319	1.5513	8.1832	3.3761	1.4272	4.8033		2,988.0216	2,988.0216	0.9302		3,011.2769

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	lb/day										lb/day					
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
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
Worker	0.0950	0.0738	0.6797	1.2700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		125.6305	125.6305	5.7100e-003		125.7732
Total	0.0950	0.0738	0.6797	1.2700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		125.6305	125.6305	5.7100e-003		125.7732

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	lb/day										lb/day					
Fugitive Dust					2.9843	0.0000	2.9843	1.5192	0.0000	1.5192			0.0000			0.0000

Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	2.9843	1.5513	4.5357	1.5192	1.4272	2.9464	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	lb/day										lb/day					
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
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
Worker	0.0950	0.0738	0.6797	1.2700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		125.6305	125.6305	5.7100e-003		125.7732
Total	0.0950	0.0738	0.6797	1.2700e-003	0.1232	1.0300e-003	0.1243	0.0327	9.6000e-004	0.0336		125.6305	125.6305	5.7100e-003		125.7732

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

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	lb/day										lb/day					
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
Vendor	0.0765	1.8262	0.5466	3.4800e-003	0.0875	0.0162	0.1038	0.0252	0.0155	0.0407		368.9530	368.9530	0.0267		369.6209
Worker	0.2280	0.1771	1.6314	3.0400e-003	0.2957	2.4800e-003	0.2982	0.0784	2.2900e-003	0.0807		301.5131	301.5131	0.0137		301.8556
Total	0.3045	2.0032	2.1779	6.5200e-003	0.3833	0.0187	0.4020	0.1036	0.0178	0.1214		670.4661	670.4661	0.0404		671.4765

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	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

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	lb/day										lb/day					
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

Vendor	0.0765	1.8262	0.5466	3.4800e-003	0.0875	0.0162	0.1038	0.0252	0.0155	0.0407		368.9530	368.9530	0.0267		369.6209
Worker	0.2280	0.1771	1.6314	3.0400e-003	0.2957	2.4800e-003	0.2982	0.0784	2.2900e-003	0.0807		301.5131	301.5131	0.0137		301.8556
Total	0.3045	2.0032	2.1779	6.5200e-003	0.3833	0.0187	0.4020	0.1036	0.0178	0.1214		670.4661	670.4661	0.0404		671.4765

3.5 Building Construction - 2019
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	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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	lb/day										lb/day					
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
Vendor	0.0673	1.7256	0.4891	3.4500e-003	0.0875	0.0136	0.1011	0.0252	0.0130	0.0382		366.1811	366.1811	0.0257		366.8235
Worker	0.2068	0.1559	1.4455	2.9500e-003	0.2957	2.3900e-003	0.2981	0.0784	2.2000e-003	0.0807		292.7603	292.7603	0.0121		293.0631
Total	0.2740	1.8815	1.9346	6.4000e-003	0.3832	0.0160	0.3992	0.1036	0.0152	0.1188		658.9414	658.9414	0.0378		659.8866

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	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

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	lb/day										lb/day					
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
Vendor	0.0673	1.7256	0.4891	3.4500e-003	0.0875	0.0136	0.1011	0.0252	0.0130	0.0382		366.1811	366.1811	0.0257		366.8235
Worker	0.2068	0.1559	1.4455	2.9500e-003	0.2957	2.3900e-003	0.2981	0.0784	2.2000e-003	0.0807		292.7603	292.7603	0.0121		293.0631
Total	0.2740	1.8815	1.9346	6.4000e-003	0.3832	0.0160	0.3992	0.1036	0.0152	0.1188		658.9414	658.9414	0.0378		659.8866

3.6 Paving - 2019

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	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Paving	0.1834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6378	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586			2,257.0025	2,257.0025	0.7141	2,274.8548

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	lb/day										lb/day					
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
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
Worker	0.0862	0.0650	0.6023	1.2300e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		121.9835	121.9835	5.0500e-003		122.1096
Total	0.0862	0.0650	0.6023	1.2300e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		121.9835	121.9835	5.0500e-003		122.1096

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	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.1834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6378	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	lb/day										lb/day					
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
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
Worker	0.0862	0.0650	0.6023	1.2300e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		121.9835	121.9835	5.0500e-003		122.1096
Total	0.0862	0.0650	0.6023	1.2300e-003	0.1232	1.0000e-003	0.1242	0.0327	9.2000e-004	0.0336		121.9835	121.9835	5.0500e-003		122.1096

3.7 Architectural Coating - 2019
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	lb/day										lb/day					
Archit. Coating	13.3296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.5960	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	lb/day										lb/day					
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

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	0.0402	0.0303	0.2811	5.7000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		56.9256	56.9256	2.3500e-003		56.9845
Total	0.0402	0.0303	0.2811	5.7000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		56.9256	56.9256	2.3500e-003		56.9845

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	lb/day										lb/day					
Archit. Coating	13.3296					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.5960	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	lb/day										lb/day					
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
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
Worker	0.0402	0.0303	0.2811	5.7000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		56.9256	56.9256	2.3500e-003		56.9845
Total	0.0402	0.0303	0.2811	5.7000e-004	0.0575	4.6000e-004	0.0580	0.0153	4.3000e-004	0.0157		56.9256	56.9256	2.3500e-003		56.9845

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	lb/day										lb/day					
Mitigated	0.7331	3.5529	8.6117	0.0191	1.4645	0.0344	1.4989	0.3927	0.0326	0.4253		1,921.6016	1,921.6016	0.1050		1,924.2258
Unmitigated	0.7331	3.5529	8.6117	0.0191	1.4645	0.0344	1.4989	0.3927	0.0326	0.4253		1,921.6016	1,921.6016	0.1050		1,924.2258

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	285.90	297.30	258.60	655,071	655,071
Total	285.90	297.30	258.60	655,071	655,071

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190
Single Family Housing	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	lb/day										lb/day					
NaturalGas Mitigated	0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868
NaturalGas Unmitigated	0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137

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	lb/day										lb/day					
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
Single Family Housing	2955.01	0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137
Total		0.0319	0.2723	0.1159	1.7400e-003		0.0220	0.0220		0.0220	0.0220		347.6478	347.6478	6.6600e-003	6.3700e-003	349.7137

Mitigated

	Natural Gas 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	lb/day										lb/day					
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
Single Family Housing	2.20021	0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868
Total		0.0237	0.2028	0.0863	1.2900e-003		0.0164	0.0164		0.0164	0.0164		258.8486	258.8486	4.9600e-003	4.7500e-003	260.3868

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	lb/day										lb/day					
Mitigated	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465
Unmitigated	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606		0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465

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	lb/day										lb/day						
Architectural Coating	0.2191					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Consumer Products	1.1986					0.0000	0.0000			0.0000	0.0000			0.0000		0.0000	
Hearth	0.0679	0.5806	0.2471	3.7100e-003		0.0469	0.0469			0.0469	0.0469	0.0000	741.1765	741.1765	0.0142	0.0136	745.5809
Landscaping	0.0756	0.0287	2.4834	1.3000e-004		0.0137	0.0137			0.0137	0.0137		4.4569	4.4569	4.3500e-003		4.5655
Total	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606			0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465

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	lb/day										lb/day						
Architectural Coating	0.2191					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1986					0.0000	0.0000			0.0000	0.0000			0.0000			0.0000
Hearth	0.0679	0.5806	0.2471	3.7100e-003		0.0469	0.0469			0.0469	0.0469	0.0000	741.1765	741.1765	0.0142	0.0136	745.5809
Landscaping	0.0756	0.0287	2.4834	1.3000e-004		0.0137	0.0137			0.0137	0.0137		4.4569	4.4569	4.3500e-003		4.5655
Total	1.5613	0.6093	2.7305	3.8400e-003		0.0606	0.0606			0.0606	0.0606	0.0000	745.6334	745.6334	0.0186	0.0136	750.1465

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Bellevue Ranch 7
Sonoma-San Francisco County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00

Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	7.99000E-003	5.50600E-002	5.52400E-002	9.00000E-005	3.86000E-003	3.86000E-003	0.00000E+000	7.65976E+000	7.65976E+000	6.50000E-004	0.00000E+000	7.67594E+000
Concrete/Industrial Saws	1.30000E-003	9.79000E-003	9.31000E-003	2.00000E-005	6.70000E-004	6.70000E-004	0.00000E+000	1.34414E+000	1.34414E+000	1.00000E-004	0.00000E+000	1.34674E+000
Cranes	6.23200E-002	7.44180E-001	2.77950E-001	6.60000E-004	3.20000E-002	2.94400E-002	0.00000E+000	5.95816E+001	5.95816E+001	1.86500E-002	0.00000E+000	6.00479E+001
Excavators	3.61000E-003	3.87000E-002	4.09500E-002	6.00000E-005	1.88000E-003	1.73000E-003	0.00000E+000	5.89200E+000	5.89200E+000	1.83000E-003	0.00000E+000	5.93785E+000
Forklifts	6.70500E-002	5.94540E-001	4.70110E-001	6.00000E-004	4.70000E-002	4.32400E-002	0.00000E+000	5.41116E+001	5.41116E+001	1.69400E-002	0.00000E+000	5.45350E+001
Generator Sets	6.29700E-002	5.19810E-001	4.86060E-001	8.60000E-004	3.24500E-002	3.24500E-002	0.00000E+000	7.34770E+001	7.34770E+001	5.08000E-003	0.00000E+000	7.36040E+001
Graders	2.60000E-003	3.56400E-002	9.57000E-003	3.00000E-005	1.16000E-003	1.07000E-003	0.00000E+000	3.03878E+000	3.03878E+000	9.50000E-004	0.00000E+000	3.06243E+000
Pavers	5.75000E-003	6.24900E-002	5.80300E-002	9.00000E-005	3.06000E-003	2.82000E-003	0.00000E+000	8.44586E+000	8.44586E+000	2.67000E-003	0.00000E+000	8.51266E+000
Paving Equipment	4.26000E-003	4.51300E-002	5.04700E-002	8.00000E-005	2.24000E-003	2.06000E-003	0.00000E+000	7.31770E+000	7.31770E+000	2.32000E-003	0.00000E+000	7.37558E+000
Rollers	4.53000E-003	4.48200E-002	3.81500E-002	5.00000E-005	2.95000E-003	2.71000E-003	0.00000E+000	4.71162E+000	4.71162E+000	1.49000E-003	0.00000E+000	4.74889E+000
Rubber Tired Dozers	2.91500E-002	3.14000E-001	1.09410E-001	2.10000E-004	1.52600E-002	1.40400E-002	0.00000E+000	1.95084E+001	1.95084E+001	6.07000E-003	0.00000E+000	1.96602E+001
Tractors/Loaders/Backhoes	9.62300E-002	9.55280E-001	8.75210E-001	1.17000E-003	6.65600E-002	6.12400E-002	0.00000E+000	1.06205E+002	1.06205E+002	3.32300E-002	0.00000E+000	1.07035E+002
Welders	5.49100E-002	2.16090E-001	2.39370E-001	3.30000E-004	1.41400E-002	1.41400E-002	0.00000E+000	2.44687E+001	2.44687E+001	4.49000E-003	0.00000E+000	2.45809E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	7.99000E-003	5.50600E-002	5.52400E-002	9.00000E-005	3.86000E-003	3.86000E-003	0.00000E+000	7.65975E+000	7.65975E+000	6.50000E-004	0.00000E+000	7.67593E+000
Concrete/Industrial Saws	1.30000E-003	9.79000E-003	9.31000E-003	2.00000E-005	6.70000E-004	6.70000E-004	0.00000E+000	1.34414E+000	1.34414E+000	1.00000E-004	0.00000E+000	1.34674E+000
Cranes	6.23200E-002	7.44180E-001	2.77950E-001	6.60000E-004	3.20000E-002	2.94400E-002	0.00000E+000	5.95816E+001	5.95816E+001	1.86500E-002	0.00000E+000	6.00478E+001
Excavators	3.61000E-003	3.87000E-002	4.09500E-002	6.00000E-005	1.88000E-003	1.73000E-003	0.00000E+000	5.89199E+000	5.89199E+000	1.83000E-003	0.00000E+000	5.93784E+000

Forklifts	6.70500E-002	5.94540E-001	4.70110E-001	6.00000E-004	4.70000E-002	4.32400E-002	0.00000E+000	5.41115E+001	5.41115E+001	1.69400E-002	0.00000E+000	5.45350E+001
Generator Sets	6.29700E-002	5.19810E-001	4.86060E-001	8.60000E-004	3.24500E-002	3.24500E-002	0.00000E+000	7.34769E+001	7.34769E+001	5.08000E-003	0.00000E+000	7.36039E+001
Graders	2.60000E-003	3.56400E-002	9.57000E-003	3.00000E-005	1.16000E-003	1.07000E-003	0.00000E+000	3.03877E+000	3.03877E+000	9.50000E-004	0.00000E+000	3.06242E+000
Pavers	5.75000E-003	6.24900E-002	5.80300E-002	9.00000E-005	3.06000E-003	2.82000E-003	0.00000E+000	8.44585E+000	8.44585E+000	2.67000E-003	0.00000E+000	8.51265E+000
Paving Equipment	4.26000E-003	4.51300E-002	5.04700E-002	8.00000E-005	2.24000E-003	2.06000E-003	0.00000E+000	7.31769E+000	7.31769E+000	2.32000E-003	0.00000E+000	7.37557E+000
Rollers	4.53000E-003	4.48200E-002	3.81500E-002	5.00000E-005	2.95000E-003	2.71000E-003	0.00000E+000	4.71162E+000	4.71162E+000	1.49000E-003	0.00000E+000	4.74888E+000
Rubber Tired Dozers	2.91500E-002	3.14000E-001	1.09410E-001	2.10000E-004	1.52600E-002	1.40400E-002	0.00000E+000	1.95084E+001	1.95084E+001	6.07000E-003	0.00000E+000	1.96602E+001
Tractors/Loaders/Balances	9.62300E-002	9.55280E-001	8.75210E-001	1.17000E-003	6.65600E-002	6.12400E-002	0.00000E+000	1.06204E+002	1.06204E+002	3.32300E-002	0.00000E+000	1.07035E+002
Welders	5.49100E-002	2.16090E-001	2.39360E-001	3.30000E-004	1.41400E-002	1.41400E-002	0.00000E+000	2.44687E+001	2.44687E+001	4.49000E-003	0.00000E+000	2.45808E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30552E-006	1.30552E-006	0.00000E+000	0.00000E+000	1.30277E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17486E-006	1.17486E-006	0.00000E+000	0.00000E+000	1.16574E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.69722E-006	1.69722E-006	0.00000E+000	0.00000E+000	1.68411E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10882E-006	1.10882E-006	0.00000E+000	0.00000E+000	1.10021E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22487E-006	1.22487E-006	0.00000E+000	0.00000E+000	1.22276E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.29079E-006	3.29079E-006	0.00000E+000	0.00000E+000	3.26538E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18401E-006	1.18401E-006	0.00000E+000	0.00000E+000	1.17472E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.36655E-006	1.36655E-006	0.00000E+000	0.00000E+000	1.35583E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.10576E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.02520E-006	1.02520E-006	0.00000E+000	0.00000E+000	1.01728E-006
Tractors/Loaders/Balances	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12989E-006	1.12989E-006	0.00000E+000	0.00000E+000	1.21455E-006
Welders	0.00000E+000	0.00000E+000	4.17763E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22606E-006	1.22606E-006	0.00000E+000	0.00000E+000	1.22046E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day)	2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00		
Yes	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.05	0.01	0.05	0.01	0.00	0.00
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.55	0.55
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.03	0.02	0.01	0.01	0.55	0.55
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.09	0.05	0.04	0.02	0.55	0.55
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

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

Consumer Products	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
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.19	1.17	1.41	1.19
Hearth	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
Landscaping	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
Mobile	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
Natural Gas	25.60	25.55	25.53	25.00	25.62	25.62	0.00	25.54	25.54	25.45	25.47	25.54	
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00	20.00	20.00	19.48	20.00	
Water Outdoor	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

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.11	0.33		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			

	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00

No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	28.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	20.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	

No	Water Efficient Landscape	0.00	0.00
----	---------------------------	------	------

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

APPENDIX B
Arborist Report

February 2, 2017

9931-01

Aaron Roden
Director of Acquisitions and Planning
Ryder Homes of California, Inc.
1425 Treat Boulevard
Walnut Creek, California 94597

Subject: *Arborist Report for the Bellevue Ranch 7 Project Site, City of Santa Rosa, California*

Dear Mr. Roden:

This report summarizes Dudek's recent evaluation of trees within or directly adjacent to the proposed project site located at 2903 Dutton Meadows in Santa Rosa, California conducted on January 17, 2017. This report includes a discussion of tree evaluation methods, a summary of findings, and identification of anticipated impacts and mitigation requirements consistent with the tree removal permit process for development projects in the City of Santa Rosa (City Code Section 17-24.050). The primary focus of our field effort was identification and inventory of all trees on or adjacent to the project site which may be affected by proposed development.

SUMMARY

There are nine trees located on the project site, none of which meet the definition of a Heritage or Street tree, as defined in City Code Section 17-24.020. Based on an evaluation of the conceptual project site plan available at the time of this report preparation, the majority of the site will need to be graded to accommodate construction of residences, roads, driveways, and the placement of necessary infrastructure (utilities, sidewalks, etc.). Based on the conceptual site plan, all nine trees located on site are expected to require removal. Based on anticipated tree impacts, the project applicant will be subject to the tree replacement requirements outlined in City Code Section 17-24.050(C)(1), which requires replacement of removed trees based on trunk diameter measurements.

ASSIGNMENT

A Dudek International Society of Arboriculture (ISA) Certified Arborist performed the following key tasks:

Mr. Aaron Roden

*Subject: Arborist Report for the Bellevue Ranch 7 Project Site,
City of Santa Rosa, California*

- Assessed all trees within or adjacent to the project site for individual tree attributes, including species, dripline, and trunk diameter.
- Mapped individual trunk locations utilizing global positioning system (GPS) technology.
- Mapped individual tree dripline boundaries in Geographic Information Systems (GIS) utilizing high-resolution aerial imagery.
- Prepared a tree location exhibit.
- Evaluated tree impact status based on conceptual site development plans.
- Prepared a tree information matrix that details individual tree attributes and Heritage or Street tree status.
- Developed a letter report documenting assessment methods, site observations and a summary of anticipated impacts and required mitigation under City Code.

PROJECT SETTING

Location

The project site is located at 2903 Dutton Meadows in the southwestern portion of the City of Santa Rosa. It is bounded to the north, west, and south by agricultural lands and on the east by Dutton Meadows and residential developments (Attachment A). The project site is within Assessor's Parcel Number (APN) 043-111-007.

General Physical Characteristics

The 5.75-acre property is generally flat with elevations ranging from approximately 112 to 114 feet above mean sea level (AMSL). The site is largely vacant and dominated by grassland vegetation, although one small residence and a few outbuildings are located in the property's northeast corner. Tree cover is sparse and concentrated near the residence and outbuildings in the northeast portion of the site.

METHODS

International Society of Arboriculture (ISA) Certified Arborist, Scott Stephenson (#WE-11624A), conducted a site evaluation on January 17, 2017 to document tree location and attribute information. Tree attribute information was collected for all on-site trees. Tree attribute data collected during the site evaluation included species, shape, and trunk diameter. Trunk diameters

Mr. Aaron Roden

Subject: Arborist Report for the Bellevue Ranch 7 Project Site,
City of Santa Rosa, California

were measured using a diameter tape which provides adjusted figures¹ for diameter measurements when wrapping the tape around a tree's circumference. Diameter measurements were collected using standard protocol described by the Council of Tree and Landscape Appraisers in the "Guide for Plant Appraisal," published by the ISA².

Trunk diameter measurements were taken at 4.5 feet above the ground along the trunk axis, with a few common exceptions. In cases where a tree's trunk split into multiple stems at approximately 4.5 feet above ground, the measurement was made at the location that best represented the trunk's diameter. Dripline boundaries were mapped in Geographic Information Systems (GIS) using high-resolution aerial imagery.

Concurrent with individual tree attribute measurement and assessment, the location of each individual tree was mapped using a Trimble GeoXT Global Positioning System (GPS) receiver. The GeoXT has a horizontal accuracy of 1-meter (1-sigma) using differential code positioning techniques. Tree numbers were assigned and correspond with the individual tree locations presented in Attachment A (Tree Location Exhibit) and the individual tree data presented in Attachment B (Tree Information Matrix). Additionally, photographs of each individual tree were taken in the field and are presented in Attachment C (Tree Photographs).

FINDINGS/RESULTS

A total of nine trees are located within or immediately adjacent to the proposed project development area, including three different species, as presented in Table 1.

Table 1
Summary of Trees – Bellevue Ranch Phase 7 Project Site

Scientific Name	Common Name	Quantity
<i>Acer spp.</i>	Maple	1
<i>Juglans hindsii</i>	Black walnut	6
<i>Prunus cerasifera</i>	Purple-leaf plum	2
	Total	9

¹ Circumference measurement (inches) divided by 3.14 (π) provides diameter measurement in inches.

² International Society of Arboriculture (ISA). 2000. Guide for Plant Appraisal (9th Edition).

Mr. Aaron Roden

Subject: Arborist Report for the Bellevue Ranch 7 Project Site,
City of Santa Rosa, California

Attributes of each tree included in the inventory are presented in Attachment B (Tree Information Matrix).

PROJECT-RELATED TREE IMPACTS

Impact totals presented herein are based on an evaluation of the conceptual project site plan available at the time of this letter report preparation. Based on a review of the conceptual site plan, it is assumed that the majority of the site will need to be graded to accommodate the construction of residences, roads, driveways, and the placement of necessary infrastructure (utilities, sidewalks, etc.). Based on this assumption, all nine trees will require removal.

Dudek also identified a row of Monterey cypress trees (*Cupressus macrocarpa*) along the east side of Dutton Meadows, directly south of the project site. Impacts to these trees are not anticipated; however, should encroachment into the canopy dripline area of these trees be necessary to accommodate construction activity (including delivery of construction materials), protection measures should be implemented consistent with those outlined in City Code Section 17-24.050(D).

MITIGATION

Based on expected project-related impacts to trees on the site, the following tree replacement requirements have been calculated in accordance with City Code Section 17-24.050(C) (Tree Replacement Program):

- Planting of 2 maple trees (*Acer spp.*), each of a minimum 15-gallon container size, to mitigate impacts to 1 maple tree (12 total inches trunk diameter)
- Planting of 20 walnut trees (*Juglans hindsii*), each of a minimum 15-gallon container size, to mitigate impacts to 6 walnut trees (101 total inches trunk diameter)
- Planting of 4 purple-leaf plum trees (*Prunus cerasifera*), each of a minimum 15-gallon container size, to mitigate impacts to 2 purple-leaf plum trees (19 total inches trunk diameter)

Calculated replacement tree quantities, per impacted tree, are presented in Attachment B (Tree Information Matrix). The final species, replacement tree size and quantity of replacement trees may be modified by the Director, as outlined in City Code Section 17-24.050(C). Replacement trees shall be planted on site. Alternatively, the Director may approve off-site planting or in-lieu

Mr. Aaron Roden

*Subject: Arborist Report for the Bellevue Ranch 7 Project Site,
City of Santa Rosa, California*

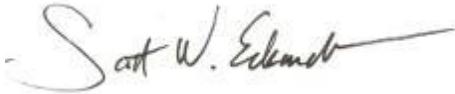
fee payment if replacement trees cannot be accommodated on site, consistent with City Code Section 17-24.050(C).

CONCLUSION

Dudek inventoried and evaluated nine trees on the proposed project site located at 2903 Dutton Meadows in the City of Santa Rosa, California on January 17, 2017. It is expected that all nine trees will require removal to accommodate project development. Based on City requirements, 26 15-gallon container size trees of like species are to be planted on site to mitigate impacts to nine trees. At its' discretion, the City may modify the size, species, quantity and location of required mitigation trees or may collect a fee in-lieu of requiring replacement tree planting.

I would be pleased to answer any questions or respond to any comments regarding this report and can be contacted at (530) 863-4650 or seckardt@dudek.com.

Sincerely,



Scott Eckardt
ISA Certified Arborist #WE-5914A

Cc: Scott Stephenson, Dudek

*Att: Attachment A – Tree Location Exhibit
Attachment B – Tree Information Matrix
Attachment C – Representative Photographs*

ATTACHMENT A
Tree Location Exhibit

ATTACHMENT B
Tree Information Matrix

Attachment B - Tree Information Matrix

Tree Number	Scientific Name	Common Name	Quantity of Stems	Trunk Diameter (in.)				Cumulative Diameter (in.)	Canopy Radius (ft.)				Heritage Tree ¹	Street Tree ²	Minimum Replacement Quantity ³	Notes
				D1	D2	D3	D4		North	East	South	West				
1	<i>Juglans hindsii</i>	Black walnut	1	20				20	8	12	8	7	No	No	4	Good condition.
2	<i>Prunus cerasifera</i>	Purple-leaf plum	2	6	5			11	4	9	7	6	No	No	2	Good condition.
3	<i>Juglans hindsii</i>	Black walnut	4	9	8	8	6	31	14	17	15	8	No	No	6	Good condition.
4	<i>Juglans hindsii</i>	Black walnut	1	5				5	8	8	12	9	No	No	1	Very poor condition. Suppressed crown.
5	<i>Prunus cerasifera</i>	Purple-leaf plum	1	8				8	6	7	8	7	No	No	2	Visually estimated diameter. Access restricted by hazardous structure. Good condition.
6	<i>Juglans hindsii</i>	Black walnut	3	9	7	7		23	13	16	19	11	No	No	4	Good condition.
7	<i>Juglans hindsii</i>	Black walnut	1	8				8	8	8	10	9	No	No	2	Good condition.
8	<i>Juglans hindsii</i>	Black walnut	3	6	5	3		14	8	9	10	7	No	No	3	Good condition.
9	<i>Acer spp.</i>	Maple	2	7	5			12	15	9	8	11	No	No	2	Not a big leaf maple. Good condition.

¹ As defined by City of Santa Rosa Code Section 17-24.020 (L)

² As defined by City of Santa Rosa Code Section 17-24.020 (O)

³ As defined by City of Santa Rosa Code Section 17-24.050 (C)(1)

ATTACHMENT C
Representative Photographs

Attachment C – Site Photographs

Photo #1



Tree # 1 (Black walnut)

Photo #2



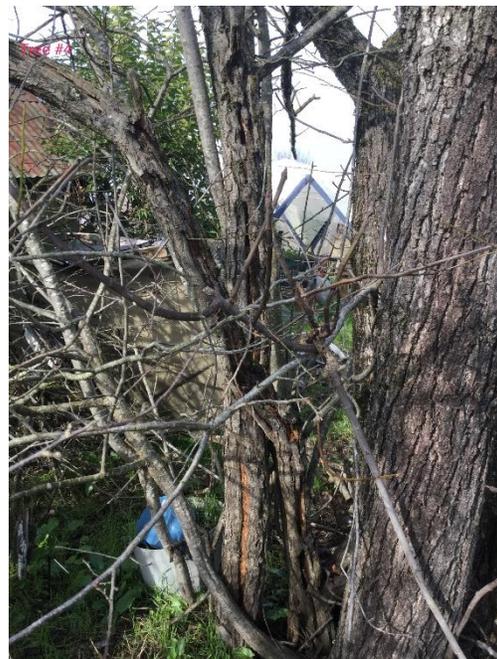
Tree # 2 (Purple-leaf plum)

Photo #3



Tree # 3 (Black walnut)

Photo #4



Tree # 4 (Black walnut)

Attachment C – Site Photographs

Photo #5



Tree # 5 (Purple-leaf plum)

Photo #6



Tree # 6 (Black walnut)

Photo #7



Tree # 7 (Black walnut)

Photo #8



Tree # 8 (Black walnut)

Attachment C – Site Photographs

Photo #9



Tree # 9 (Maple)

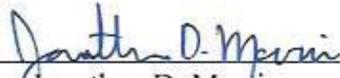
APPENDIX C
Geotechnical Report

Report
Soil Investigation
Bellevue Ranch Subdivision, Phase 7
Dutton Meadows
Santa Rosa, California

Prepared for
RHCA Investment, LP
1425 Treat Boulevard, 2nd Floor
Walnut Creek, CA 94597
Attention: Jay Ryder

By

REESE & ASSOCIATES
Consulting Geotechnical Engineers


Jonathan D. Morris

Geotechnical Engineer No. 2911



Jeffrey K. Reese
Civil Engineer No. 47753



Job No. 825.1.1
December 1, 2015

INTRODUCTION

This report presents the results of our soil investigation for the proposed Bellevue Ranch Phase 7 residential development in Santa Rosa, California. The approximate 6-acre site is located on the west side of Dutton Meadows, about one-quarter mile north of Bellevue Avenue. The site is identified as Assessor's Parcel No. 043-111-007.

The proposed development will consist of subdividing the property for 30 single-family residences. We understand that the proposed structures will consist of one- and/or two-story, wood-frame buildings with post-tensioned concrete slab foundations or wood floors supported on joists above grade. The development will be served by new asphalt-paved roadways and underground utilities. Specific details for site grading have not been developed yet. However, the site is relatively flat and we anticipate the structures and roadways will be constructed near existing grade.

The object of our investigation, as outlined in your consultant agreement and our proposal dated July 1, 2015, was to review selected, geologic references in our files, explore subsurface conditions, measure depth to groundwater, if encountered, and determine physical properties of the soils encountered. We then performed engineering analyses to develop conclusions and recommendations concerning:

1. Proximity of the site to active faults.
2. Site preparation and grading.
3. Foundation support and design criteria, including criteria for design of post-tensioned slab-on-grade floors.

4. The results of three laboratory stabilometer (R-value) tests for pavement thickness determination.
5. The results of four laboratory Expansion Index (EI) tests, as required by the City of Santa Rosa for improvements to city streets.
6. Quality and compaction criteria for development of asphalt-paved roadways.
7. Soil engineering drainage.
8. Supplemental soil engineering services.

WORK PERFORMED

We reviewed selected, published, geologic information in our files including:

1. Geologic Map of the Santa Rosa 7.5' Quadrangle, Sonoma County, California Geological Survey, 2008.
2. The "Geology for Planning in Sonoma County" maps, Special Report 120, California Division of Mines and Geology, 1980.
3. The Santa Rosa Quadrangle Sheets of the Alquist-Priolo Earthquake Fault Zone maps, California Division of Mines and Geology, 1983.
4. The "Maps of Known Active Fault Near-Source Zones in California and Adjacent Portions of Nevada," Uniform Building Code (UBC), 1997.
5. Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Association of Bay Area Governments website (www.abag.ca.gov), 2009.

6. Liquefaction Susceptibility Map, Association of Bay Area Governments website (www.abag.ca.gov), 2006.
7. Google Earth, 2013 (<http://earth.google.com>); includes historic aerial photos from 1993 to 2014.

On September 8, 2015, we were at the site to observe conditions exposed and explore subsurface conditions to the extent of two test borings at the approximate locations indicated on Plate 1. The borings were drilled to depths of about 11 and 14 feet with track-mounted, auger equipment. Our geotechnical engineer located the borings, observed the drilling, logged the conditions encountered and obtained samples for visual classification and laboratory testing. Relatively undisturbed samples were obtained with a 2.5-inch (inside-diameter) split-spoon sampler driven with a 140-pound drop hammer. A Standard Penetration, split-spoon sampler was used at selected depths where granular materials were encountered. The stroke during driving was about 30 inches. The blows required to drive the samplers were recorded and converted to equivalent Standard Penetration blow counts for correlation with empirical data. Logs of the borings showing soil classifications, sample depths and converted blow counts are presented on Plates 2 and 3. The soils are classified in accordance with the Unified Soil Classification System explained on Plate 4.

Selected samples were tested in our laboratory to determine moisture content, dry density and classification (percent free swell and Atterberg Limits) and strength characteristics. The test

results are shown on the logs with the strength data shown in the manner described by the Key to Test Data, Plate 4. Detailed results of the Atterberg Limits tests are shown on Plate 5.

Bulk samples of the near-surface soils were obtained for Expansion Index (EI) determination, as required by the City of Santa Rosa, and laboratory stabilometer (R-value) testing. The results of the EI tests are summarized on Plate 6. Detailed results of the R-value tests are presented on Plates 7 and 8.

The boring locations shown on Plate 1 were determined by visually estimating from existing surface features. The locations should be considered no more accurate than implied by the methods used to establish the data. At completion of the exploration, the boring holes were backfilled with the soil cuttings.

SURFACE AND SUBSURFACE CONDITIONS

The site is bordered to the north, south and west by open fields and pastures, and to the east by Dutton Meadows. The Southwest Estates residential subdivision is planned for development of the west-adjacent field. The site is relatively flat with a slight regional gradient descending to the southwest.

At the time of our exploration the site was covered with grass and weeds and the northeast portion was occupied by a single-family residence, fence remnants and a collapsed barn. During our exploration shrinkage cracks were observed in the surface soils at the site.

The borings and laboratory tests indicate that the site is generally underlain by a relatively continuous surface deposit of sandy clay overlying sand and gravel with varying amounts of clay

and silt extending to the maximum depth explored. The surface deposit appeared stiff, porous to about 6 to 12 inches, contained organics to a depth of about 1 foot and was dry. The surface deposit generally extended to depths between about 2 and 3 feet below the ground level. The laboratory test results indicate that the surface soils exhibit a moderate to high expansion potential. That is, the soils would tend to undergo significant strength and volume changes with seasonal changes in moisture content. The underlying granular soils appeared medium dense to very dense and slightly moist to saturated with depth.

Groundwater was encountered at a depth of about 11 feet during our exploration. We believe that groundwater conditions and seepage levels can vary seasonally, and could rise and fall several feet annually. Determination of precise depth to groundwater, extent of seasonal water level fluctuations and existence of perched groundwater conditions is beyond the scope of this investigation.

The Flood Hazard Map reviewed indicates that the site is not within an area subject to inundation by 100- or 500-year flood events.

CONCLUSIONS

Based on the results of our field exploration, laboratory tests and engineering analyses, we conclude that from a soil engineering standpoint, the site can be used for the proposed residential construction. The most significant geotechnical engineering factor that must be considered in design and construction is the presence of expansive soils.

The surface soils at the site are expansive. Expansive soils can heave and distress conventional shallow foundations, conventional concrete slabs-on-grade and pavements. Furthermore, the surface soils are porous to a depth of about 1 foot from the decay of organic materials. Therefore, foundations should be designed and constructed to resist differential movement and distress from expansive soils or extend through the expansive soils into firm soils beneath the depth of significant seasonal moisture variation.

We understand that you could desire to use post-tensioned slab foundations with perimeter and interior stiffening beams (ribbed foundation) designed to tolerate expansive soil movements. We conclude that post-tensioned slab foundations can be used. However, it is critical to future performance of the proposed improvements that the expansive soils be thoroughly moisture conditioned for their full depth so as to cause preswelling prior to casting of slabs or construction of planned improvements. If the building pads or pavement areas are allowed to dry prior to installation of foundations or placement of asphalt pavements, special moisture conditioning measures will be needed.

Drilled pier and grade beam foundations with wood floors supported on joists above grade can also be used. Because of the presence of expansive clays, conventional concrete slab-on-grade floors should not be used within living areas unless underlain by a layer of compacted low to nonexpansive imported fill or lime-treated on-site soils. We could provide recommendations for conventional spread footing foundations and conventional concrete slab-on-grade floors, if requested.

Exterior concrete flatwork can be supported directly on the expansive surface soils provided heave and/or settlement and more than normal cracking are acceptable. Such slabs should be structurally separated from adjacent foundations. In areas where slab movement and resultant distress would be considered undesirable, we should be consulted to develop specific recommendations to help reduce the risk of such movements.

Provided the site is prepared as subsequently recommended, we judge that post-tensioned slab or drilled pier foundations can be used. For site preparation and building foundation design and installation in accordance with our recommendations, we judge that total settlements would be about 1-inch or less. Post-construction settlements should be about 1/2-inch or less.

SEISMIC DESIGN PARAMETERS

The geologic maps reviewed did not indicate the presence of active faults at the site and the property is not located within a presently designated Alquist-Priolo Earthquake Fault Zone. Therefore, we judge that the risk of fault-related ground rupture at the site during earthquakes can be considered low. In a seismically active region such as Northern California, there is always some possibility for future faulting at any site. However, historical occurrences of surface faulting have generally closely followed the trace of the more recently active faults. The closest faults generally considered active are the Rodgers Creek fault zone located approximately 2½ miles to the northeast, the Maacama fault zone (southern extension) located approximately 8 miles to the northeast and the San Andreas fault zone located approximately 17½ miles to the southwest.

Strong ground shaking will occur during earthquakes. The intensity at the site will depend on the distance to the earthquake epicenter, depth and magnitude of the shock and the response characteristics of the materials beneath the site. Because of the proximity of active faults in the region and the potential for strong ground shaking, it will be necessary to design and construct the project in strict accordance with current standards for earthquake-resistant construction.

We have determined the seismic ground motion values summarized below in accordance with procedures outlined in Section 1613 of the 2013 California Building Code (CBC). Mapped acceleration parameters (S_S and S_1) were obtained by inputting approximate site coordinates (latitude and longitude) into earthquake ground motion software developed by the United States Geological Survey (USGS) for the determination of CBC ground motion values. Based on our review of available geologic maps and our knowledge of the subsurface conditions, we judge that the site can be classified as Site Class D, as described in Chapter 20 of American Society of Civil Engineers (ASCE) publication 7-10. Using corresponding values of site coefficients for Site Class D and procedures outlined in the CBC, the mapped acceleration parameters were adjusted to yield the design spectral response acceleration parameters S_{DS} and S_{D1} . The following earthquake design data summarize the results of the procedures outlined above.

Site Class D

Mapped Spectral Response Accelerations:

S_S	1.800g
S_1	0.718g

Design Spectral Response Parameters:

S_{DS}	1.200g
S_{D1}	0.718g

RECOMMENDATIONS

Site Grading

Existing buildings not included in the development plan should be demolished and removed from the site. All foundation remnants should be removed. The site should be cleared of debris and brush, where encountered. Dense growths of grass and vegetation should be removed. The area to be graded then should be stripped of the upper soils containing root growth and organic matter. We anticipate that the depth of stripping needed will average about 3 inches. The strippings should be removed from the site, stockpiled for reuse as topsoil, or mixed with at least five parts of soil and used as fill at least 10 feet away from structures, walks, driveways and paved areas.

Wells, septic tanks, leach fields, and other voids encountered or created should be removed, filled with compacted soil or compacted granular material, or capped with concrete, as determined by the appropriate regulatory agency or the soil engineer.

Existing fills or stockpiles and weak, porous upper soils encountered within building or improvement areas should be removed for their full depth. We anticipate that, with the exception of organic matter and rocks or hard fragments larger than 4 inches in diameter, the excavated materials will be suitable for reuse as compacted fill.

Within building and other areas to be filled, the surfaces exposed by stripping and/or soil removal should be scarified at least 6 inches deep. The soils then should be moisture conditioned to at least 4 percentage points above optimum (and so as to close any shrinkage cracks for their full depth) and compacted to at least 87 percent relative compaction.¹ Approved, excavated and/or imported fill then should be placed in layers, moisture conditioned (to at least 4 percentage points above optimum for on-site clayey soils) and compacted to at least 90 percent.

Whether fills are placed or not, exposed expansive soils within planned improvement areas should be fully moisture conditioned as discussed above and be maintained in a moist condition (at least 4 percent above optimum for on-site clayey soils) through the completion of the designed improvements. As an alternative, the planned improvement areas could be remoisture conditioned just prior to construction. This may require several cycles of watering over a period of days or weeks, depending on the time of year and construction scheduling. Therefore, if foundation construction is not completed within one month after the rough grading, we should be notified to evaluate the need for further moisture conditioning.

¹ Relative compaction refers to the in-place dry density of fill expressed as a percentage of maximum dry density of the same material determined in accordance with the ASTM D 1557 laboratory compaction test procedure. Optimum moisture content refers to the moisture content at maximum dry density.

For grading performed in the driest time of the year, especially after winters of significantly less than normal total or springtime rainfall, shrinkage cracks in the expansive soils may be deep. Prolonged watering or controlled flooding with the possible use of wetting agents may be necessary to moisture condition the expansive soils to the high initial moisture content needed to close shrinkage cracks for their full depth. As a construction expediency, the grading contractor could elect to overexcavate a portion of the expansive soils to reduce the amount of moisture conditioning time needed. The overexcavated soils then could be moisture conditioned and replaced as properly compacted fill. With such watering in the dry season, significant swell can occur in the site soils. The swell could affect earthwork volume calculations and could need to be considered during design. We can provide supplemental information, if desired.

For grading performed in the rainy season (late fall, winter, early spring), the soils may become fully expanded naturally and not require increased moisture conditioning. However, with winter grading, there is a risk that the site can become too wet and soft to support construction equipment; normally suitable imported fill can become too wet to compact (requiring more expensive rocky fill); excavation bottoms can become unstable requiring overexcavation and/or use of geotextile fabrics or placement of granular working pads; and, procedures would be required to eliminate the possibility of tracking mud onto adjacent public streets. Accordingly, we suggest that the contract documents contain provisions to establish the costs for overexcavation, moisture conditioning, and replacement and compaction of on-site soils; imported, nonexpansive and/or granular fill materials; and the use of geotextile fabrics.

Imported fill, if needed, should be of low expansion potential, have a Plasticity Index of 15 or less, and be free of organic matter and rocks or hard fragments larger than 4 inches in diameter. Material proposed for use as imported fill should be tested and approved by the soil engineer prior to delivery to the site.

Finished cut and fill slopes should be trimmed to expose firm material and should be no steeper than two horizontal to one vertical (2:1). Slopes over 3 feet high should be planted with fast-growing, deep-rooted ground cover to reduce erosion.

Foundation Support

Post-Tensioned Slabs - We recommend that the post-tensioned slabs be designed in accordance with the Post-Tensioning Institute's design manual for Design and Construction of Post-Tensioned Slabs-on-Ground, current edition, or the criteria in the Uniform Building Code, latest adopted edition. Slabs will be underlain by expansive clayey soils. Based on our review of our field and laboratory data and our experience with similar projects in the area, we believe that the following average soil properties can be assumed for design:

$$E_m = 9.0 \text{ feet (center lift)}$$

$$Y_m = 3 \text{ inches (center lift)}$$

$$E_m = 6.0 \text{ feet (edge lift)}$$

$$Y_m = 2 \text{ inches (edge lift)}$$

For design, an allowable bearing value of 1,000 pounds per square foot (psf) and a friction factor of 0.30 can be used.

We have observed that trees close to foundations can result in an increased risk of foundation distress because of significant loss of moisture in the soils adjacent to and beneath foundations from moisture uptake by the tree root systems. Accordingly, to reduce the risk of future foundation distress as a result of possible future differential soil movement (shrink/swell), we recommend that where the distance between building foundation and trees is less than one-half the trees maximum mature height, a perimeter vertical moisture cutoff/root barrier should be provided. The vertical barrier should consist of a trench about 6 inches wide that bottoms at least 36 inches below the existing ground surface. A visqueen lining should be installed on the inside wall of the trench and then the trench should be backfilled with concrete. Local deepening of moisture barriers could be needed. The actual need for and location of deepened perimeter vertical moisture barriers should be determined during final design. A diagram of a vertical moisture barrier is presented on Plate 9.

Moisture vapor will condense on the underside of slabs. Where migration of moisture vapor through slabs is detrimental, a 10-mil (minimum) vapor retarder conforming to ASTM E1745 Class C should be provided between the supporting base material and the slabs. Two inches of moist, clean sand could be placed on top of the membrane to aid in curing and to help provide puncture protection. However, the actual use of sand should be determined by the architect or design engineer. The use of a less permeable and stronger membrane should be considered if sand is not to be placed for puncture protection, or where the flooring manufacturer requires a vapor barrier. Concrete design and curing specifications should recognize the potential

adverse affects associated with placement of concrete directly on the membrane. Where sand is used, the thickened edges of the foundation/slab should penetrate through the sand and bottom in compacted pad soils to act as a moisture barrier.

To further reduce the risks of moisture migration in living area floor slabs, the slabs could be underlain with a capillary moisture break and cushion layer consisting of at least 4 inches of free-draining, crushed rock or gravel. Underslab subdrains that extend through or beneath perimeter foundations and discharge by gravity to planned or existing storm drain improvements could also be provided. A diagram of an underslab subdrain is presented on Plate 10. We can provide specific recommendations for the use of underslab rock and underslab subdrains, if requested.

Drilled Piers - Drilled piers can be used for foundation support and should be at least 12 inches in diameter. The portion of the piers extending more than 2½ feet below the ground surface can impose 600 psf in skin friction. Perimeter and interior piers should be at least 10 feet deep and extend at least 6 feet into firm soils, as determined by the soil engineer. End bearing should be neglected because of the difficulty of cleaning out small diameter pier holes, and the uncertainty of mobilizing end bearing and skin friction simultaneously.

Resistance to lateral loads can be obtained from a passive earth pressure of 300 pounds per cubic foot (pcf) applied to one pier diameter. Passive pressure can be computed from the ground surface, but should be neglected in the upper 2½ feet of the piers unless confined by pavements or concrete slabs.

To retard wet concrete from settling, the pier holes should not contain more than 3 inches of slough. The slough may need to be tamped prior to concrete placement, as determined by the soil engineer.

Piers beneath perimeter and bearing walls should be interconnected with grade beams designed to support the calculated structural loads. In lieu of grade beams under bearing walls, the framing must be sufficient to carry the loads, as required by the CBC. Piers should be reinforced for their full depth and the reinforcing should extend into the grade beams, as determined by the structural design engineer.

The grade beams should be designed and reinforced to resist uplift pressures because of the presence of expansive soils. In general, the grade beams should be designed to resist an uplift pressure of 1,000 psf acting on the underside of the beams. Piers can be designed for pull-out capacity of one-half their downward capacity. To reduce potential uplift pressures, it is critically important for the contractor to not allow sloughing-out of concrete beneath grade beam forms or "*mushrooming*" at the tops of piers. Any such widening of grade beams or piers should be removed before the concrete fully sets.

Because of the presence of granular soils (sands and gravels) below the upper expansive materials, caving soils and/or groundwater could be encountered during pier drilling operations. If caving soils are encountered, it may be necessary to case the holes. If groundwater is encountered, it may be necessary to dewater the holes or to place the concrete by an approved pumping method.

Slabs-on-Grade

Conventional concrete slabs-on-grade should not be used for interior floors and will be subject to differential movement and distress if constructed on the expansive surface soils. Concrete slabs-on-grade should be at least 4 inches thick and reinforced with bars. Slabs could be thicker and more heavily reinforced than normal to reduce, but not eliminate, differential movement and distress. Actual slab thickness and reinforcing should be determined by the design engineer or architect based on anticipated use and performance. Prior to placing the reinforcing or slab rock, the subgrade soils should be thoroughly moistened and be smooth, firm and uniform. Slab subgrade should not be allowed to dry prior to concrete placement. Slabs should be underlain with a capillary moisture break² and cushion layer consisting of at least 4 inches of free-draining gravel or crushed rock (slab rock). The gravel or crushed rock should be at least 1/4-inch and no larger than 3/4-inch in size.

Slabs should be carefully separated from adjacent foundations. Felt paper, expansion joint material or other positive and low friction separators should be used.

Pavements

For planning purposes, we anticipate that street area pavements will consist of asphalt concrete placed over aggregate base materials. The flexible pavement materials and methods

² See paragraph above in post-tensioned slab section for discussion of moisture vapor condensing on the underside of slabs and recommendations for a vapor retarder, vapor barrier and use of sand.

used should conform to the quality requirements of the State of California, Caltrans Standard Specifications, current edition, and the requirements of the City of Santa Rosa.

The results of the laboratory stabilometer tests from bulk samples obtained at approximate subgrade level within the planned new roadway indicate R-values of 3 and 4. However, we recommend an R-value of 5 be used for determination of the pavement section within the public right-of-way. The upper 12 inches of roadway subgrades could be lime-treated to improve the supporting capacity of the site soil. We could provide recommendations for lime treating, if requested.

The results of the expansion index tests performed on Bulk Samples 3, 4 and 5 show EI's of 88, 56 and 92, respectively. The City of Santa Rosa requires a moisture vapor barrier for new street construction on soils having an EI value of 50 or higher. Because the test results for all samples tested were above the minimum, we judge that a moisture vapor barrier will be needed in the new street areas. As a possible alternative, in lieu of the vapor barrier, expansive soils could be overexcavated and replaced with other suitable materials or lime-treated. Such an alternative should be evaluated in the field in consultation with the City of Santa Rosa. In areas where new roadway fills are planned (if any), the barrier would not be needed where soils of low expansion potential were placed as compacted fill in the upper 12 inches. The actual need for and location of a barrier should be evaluated in the field when the street subgrade soils are exposed for closer observation in consultation with a representative of the City of Santa Rosa.

Prior to subgrade preparation, underground utilities in the paved areas should be installed and properly backfilled. Pavement subgrades should be prepared by scarifying to a depth of at least 6 inches. Subgrade soils in highly expansive soil areas should be uniformly moisture conditioned to at least 3 percent above optimum and be compacted to at least 93 percent relative compaction. The moisture conditioning should be sufficient to close any shrinkage cracks for their full depth. This may require more than normal scarifying and recompacting, and/or overexcavation and replacement to achieve uniformity and proper moisture conditioning. Finished subgrade should be smooth, firm, uniform and nonyielding. Approved aggregate base materials should be spread in layers, moisture conditioned, compacted to at least 95 percent relative compaction and be firm and nonyielding.

Geotechnical Drainage

Ponding water will cause softening and swelling of site soils and could be detrimental to slab foundations. It is important that the pads be sloped to drain away from foundations. A positive gradient of at least 1/2-inch per foot extending at least 4 feet out should be provided away from all structures. The roofs should be provided with gutters, and the downspouts should discharge onto paved areas or splash blocks draining at least 30 inches away from foundations or be connected to nonperforated rigid plastic pipelines that discharge into planned or existing drainage facilities.

Careful attention to fine (finish) grading around the structures should be provided. No loose or poorly compacted materials should be allowed adjacent to foundations, and the

installation of underslab drainage systems to provide an outlet for water that could accumulate should be considered.

Supplemental Geotechnical Services

We should review final grading and foundation plans for conformance with the intent of our recommendations. During site grading operations, we should provide intermittent observation and testing to determine the conditions encountered and to modify our recommendations, if warranted. Field and laboratory tests should be performed to ascertain that the indicated moisture contents and degrees of compaction are being attained.

The soil engineer should observe floor slab areas prior to placement of underslab sand and/or rock to verify that suitably moisture conditioned and adequate bearing materials are encountered and to modify our recommendations, if warranted. Concrete placement and reinforcing should be checked as stipulated on the project plans or as required by the Building Department. It is our understanding that approval from the Building Department must be obtained prior to the placement of concrete in foundation elements.

LIMITATIONS

We have performed the investigation and prepared this report in accordance with generally accepted standards of the soil engineering profession. No other warranty, neither express nor implied, is given. It should be understood that our services were limited to the scope of work outlined above and specifically excluded other services including, but not limited to, an

evaluation or analysis of soil chemistry, corrosion potential, mold and soil/groundwater contamination.

Subsurface conditions are complex and may differ from those indicated by surface features or encountered at test boring locations. Therefore, variations in subsurface conditions not indicated on the logs could be encountered. If the project is revised, or if conditions different from those described in this report are encountered during construction, we should be notified immediately so that we can take timely action to modify our recommendations, if warranted.

Supplemental services as recommended herein are performed on an as-requested basis. We can accept no responsibility for items we are not notified to check, nor for use or interpretation by others of the information contained herein. Such services are in addition to this soil investigation and are charged for on an hourly basis in accordance with our Standard Schedule of Charges.

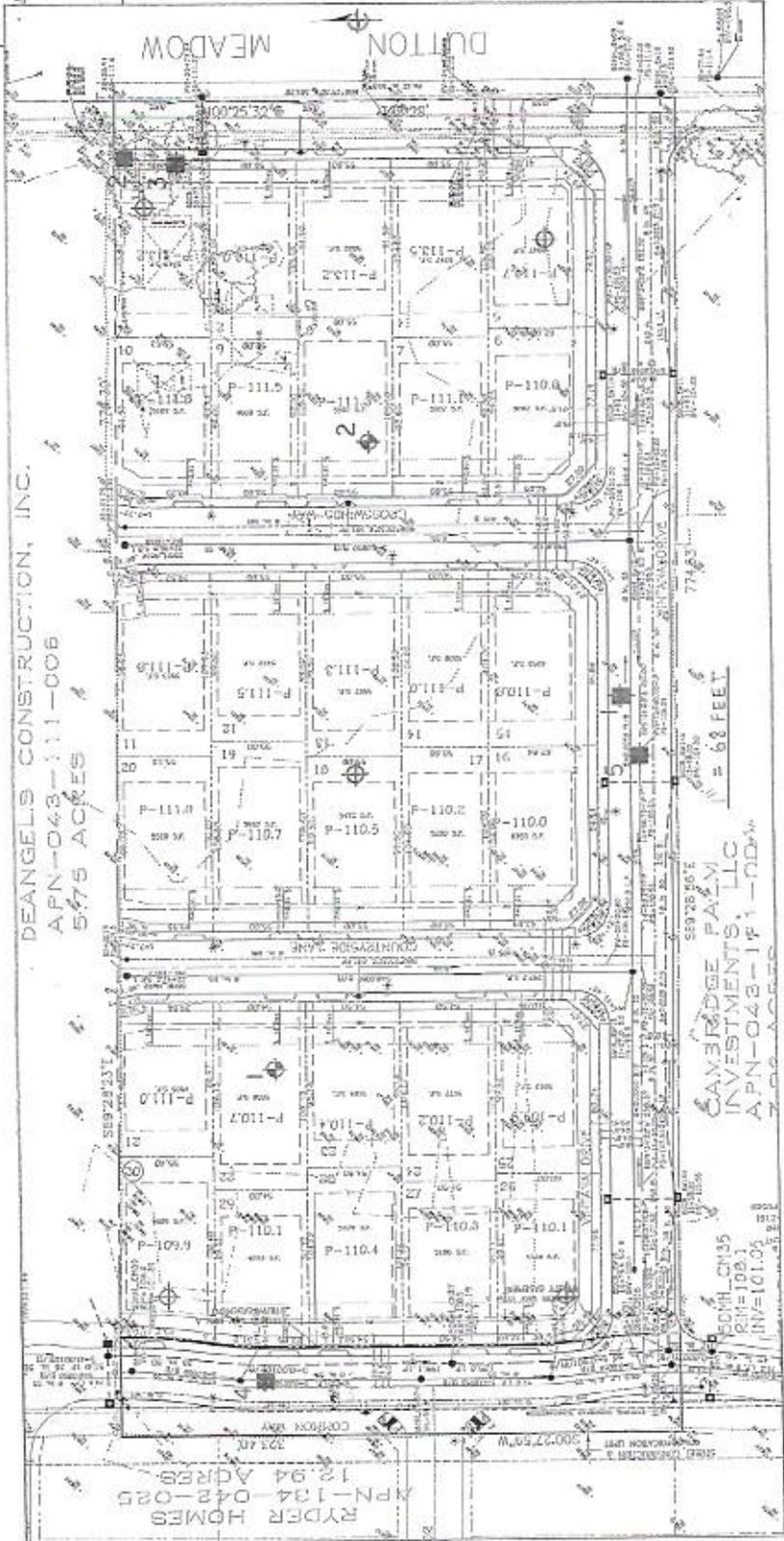
Site conditions and standards of practice change. Therefore, we should be notified to update this report if construction is not performed within 24 months.

LIST OF PLATES

Plate 1	Test Boring Location Plan and Site Vicinity Map
Plates 2 and 3	Logs of Test Borings 1 and 2
Plate 4	Soil Classification Chart and Key to Test Data
Plate 5	Atterberg Limits Test Results
Plate 6	Expansion Index Test Results
Plates 7 and 8	R-Value Test Results
Plate 9	Moisture Barrier Diagram
Plate 10	Underslab Subdrain Diagram

DISTRIBUTION

Copies submitted:	2	TNK Ryder Limited Partnership 1425 Treat Boulevard, 2nd Floor Walnut Creek, CA 94597
	3	Godfrey Engineering P.O. Box 2171 Windsor, CA 95492 Attention: Spike Godfrey



- ⊕ Approximate Test Boring Location
- ⊕ Approximate Bulk Sample Location
- ⊕ Approximate Boring Location From Previous Work

REESE & ASSOCIATES
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1
Date: 10-06-15
Appr: JDM

TEST BORING LOCATION PLAN
AND SITE VICINITY MAP
BELLEVUE RANCH PHASE 7
SANTA ROSA, CALIFORNIA
PLATE
1

**REDUCED FROM
11X17**

▽ groundwater first encountered at time of drilling

LOG OF BORING 1

Laboratory Test Results or Remarks

Blows/foot *
Moisture Content (%)
Dry Density (pcf)

Equipment 6" FLIGHT AUGER
Elevation 109.3 feet Date 9-8-15

Percent Free Swell = 70

50+ 5.6

LL = 54
PL = 19
PI = 35

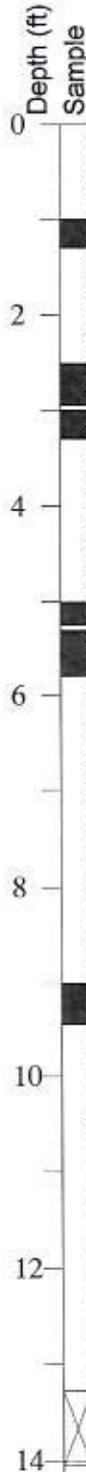
50+ 12.0
10.5 19

Percent Free Swell = 60

27 27.1 89

50 13.7 110

42 18.1



0 DARK BROWN SANDY CLAY (CH), stiff, dry, desiccation cracks
2 LIGHT BROWN CLAYEY SAND (SC), very dense, slightly moist, with orange mottling and gravel
4 LIGHT BROWN SANDY CLAY (CL), very stiff, slightly moist, orange mottling
8 SANDY GRAVEL WITH CLAY (GP-GC), dense, very moist to saturated

REESE & ASSOCIATES
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1
Date: 11-16-15
Appr: JDM

LOG OF BORING 1

BELLEVUE RANCH SUBDIVISION,
PHASE 7
SANTA ROSA, CALIFORNIA

PLATE

2

*Converted to Standard Penetration Blow Counts

▽ groundwater first encountered at time of drilling

LOG OF BORING 2

Laboratory Test Results or Remarks

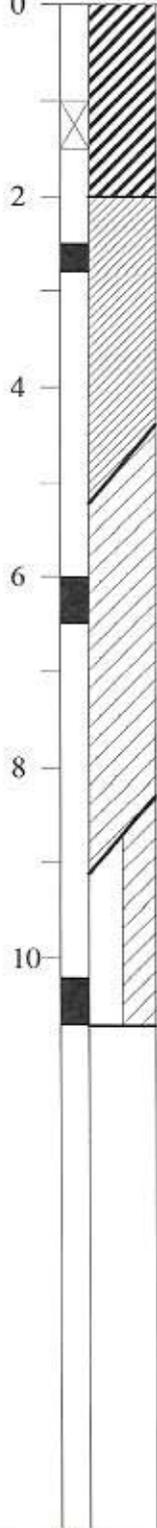
Blows/foot *
Moisture Content (%)
Dry Density (pcf)

Equipment 6" FLIGHT AUGER
Elevation 110.2 feet Date 9-8-15

Percent Free Swell = 80

LL = 40
PL = 21
PI = 19
Percent Free Swell = 55

Depth (ft)
Sample



DARK BROWN SANDY CLAY (CH), stiff, dry

GRAY-BROWN SANDY CLAY (CL), hard, dry

CLAYEY SAND (SC), dense, moist, with coarse gravel

GRAVELLY CLAYEY SAND (SP-SC), dense, wet

REESE & ASSOCIATES
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1
Date: 11-16-15
Appr: JDM

LOG OF BORING 2

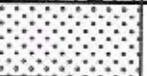
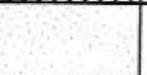
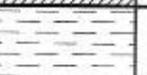
BELLEVUE RANCH SUBDIVISION,
PHASE 7
SANTA ROSA, CALIFORNIA

PLATE

3

*Converted to Standard Penetration Blow Counts

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			TYPICAL NAMES		
COARSE GRAINED SOILS MORE THAN HALF IS LARGER THAN No. 200 SIEVE	GRAVEL MORE THAN HALF OF COARSE FRACTION IS LARGER THAN No. 4 SIEVE SIZE	CLEAN GRAVEL WITH LESS THAN 5% FINES	GW		WELL GRADED GRAVEL, GRAVEL-SAND MIXTURE
			GP		POORLY GRADED GRAVEL, GRAVEL-SAND MIXTURE
		GRAVEL WITH OVER 12% FINES	GM		SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURE
			GC		CLAYEY GRAVEL, GRAVEL-SAND-CLAY MIXTURE
	SAND MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN No. 4 SIEVE SIZE	CLEAN SAND WITH LESS THAN 5% FINES	SW		WELL GRADED SAND, GRAVELLY SAND
			SP		POORLY GRADED SAND, GRAVELLY SAND
		SAND WITH OVER 12% FINES	SM		SILTY SAND, GRAVEL-SAND-SILT MIXTURE
			SC		CLAYEY SAND, GRAVEL-SAND-CLAY MIXTURE
FINE GRAINED SOILS MORE THAN HALF IS SMALLER THAN No. 200 SIEVE	SILT AND CLAY LIQUID LIMIT LESS THAN 50		ML		INORGANIC SILT, ROCK FLOUR, SANDY OR CLAYEY SILT WITH LOW PLASTICITY
			CL		INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY, SANDY, OR SILTY CLAY (LEAN)
			OL		ORGANIC CLAY AND ORGANIC SILTY CLAY OF LOW PLASTICITY
	SILT AND CLAY LIQUID LIMIT GREATER THAN 50		MH		INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOIL, ELASTIC SILT
			CH		INORGANIC CLAY OF HIGH PLASTICITY, GRAVELLY, SANDY OR SILTY CLAY (FAT)
			OH		ORGANIC CLAY OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILT
HIGHLY ORGANIC SOILS			PT		PEAT AND OTHER HIGHLY ORGANIC SOILS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

KEY TO TEST DATA

EI - Expansion Index Consol - Consolidation LL - Liquid Limit (in %) PL - Plastic Limit (in %) PI - Plasticity Index SA - Sieve Analysis G _s - Specific Gravity ■ "Undisturbed" Sample □ Bulk Sample	TxUU - Unconsolidated Undrained Triaxial TxCU - Consolidated Undrained Triaxial DSCD - Consolidated Drained Direct Shear FVS - Field Vane Shear LVS - Laboratory Vane Shear UC - Unconfined Compression UC(P) - Laboratory Penetrometer	Shear Strength, psf 320 (2600) 320 (2600) 2750 (2000) 470 700 2000 * 700 *	Confining Pressure, psf (2600) (2600) (2000)
---	---	---	---

Notes: (1) All strength tests on 2.8" or 2.4" diameter samples unless otherwise indicated.

* Compressive Strength

REESE & ASSOCIATES
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1

Date: 11-16-15

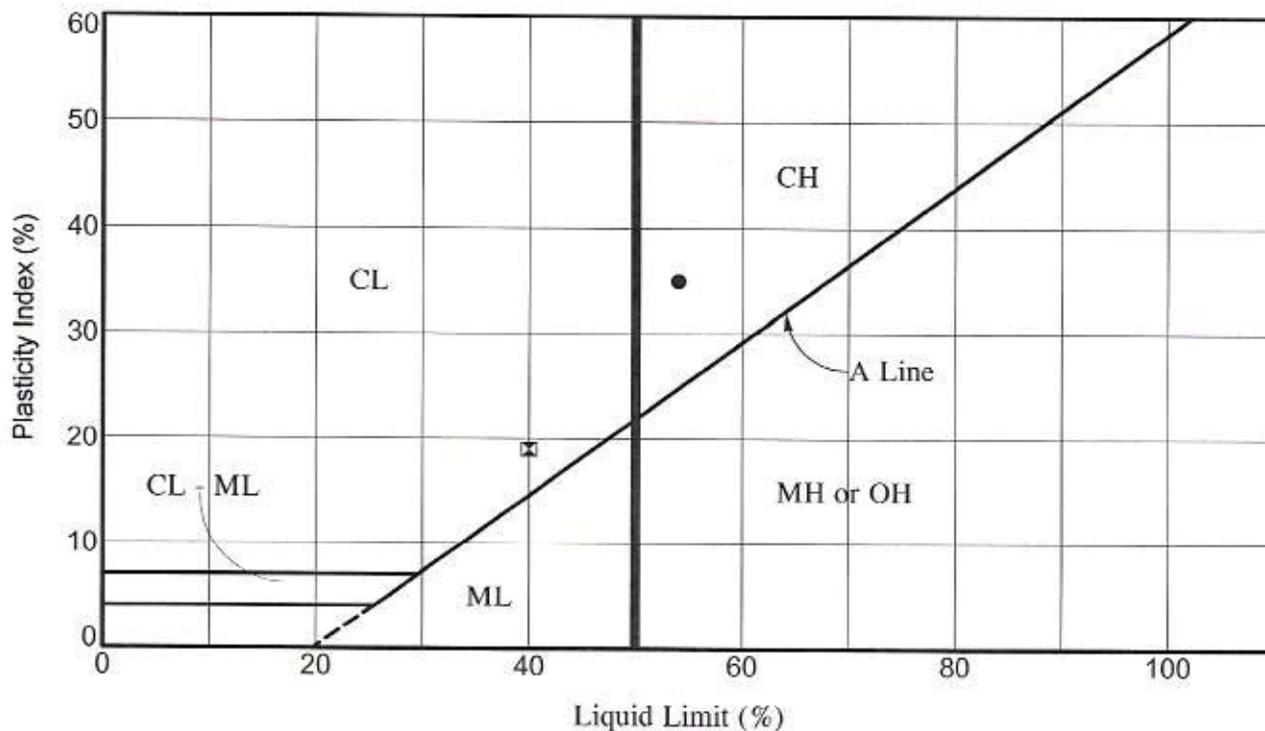
Appr: JDM

SOIL CLASSIFICATION CHART AND KEY TO TEST DATA

BELLEVUE RANCH SUBDIVISION,
PHASE 7
SANTA ROSA, CALIFORNIA

PLATE

4



ASTM D 4318-98

Symbol	Classification and Source	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Free Swell (%)
●	VERY DARK BROWN SANDY CLAY (CH) Test Boring 1 at 2.5 feet	54	19	35	--
⊠	DARK BROWN SANDY CLAY (CL) Test Boring 2 at 2.5 feet	40	21	19	55

**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1

Date: 11-16-15

Appr: JDM

ATTERBERG LIMITS TEST RESULTS

BELLEVUE RANCH SUBDIVISION,
PHASE 7
SANTA ROSA, CALIFORNIA

PLATE

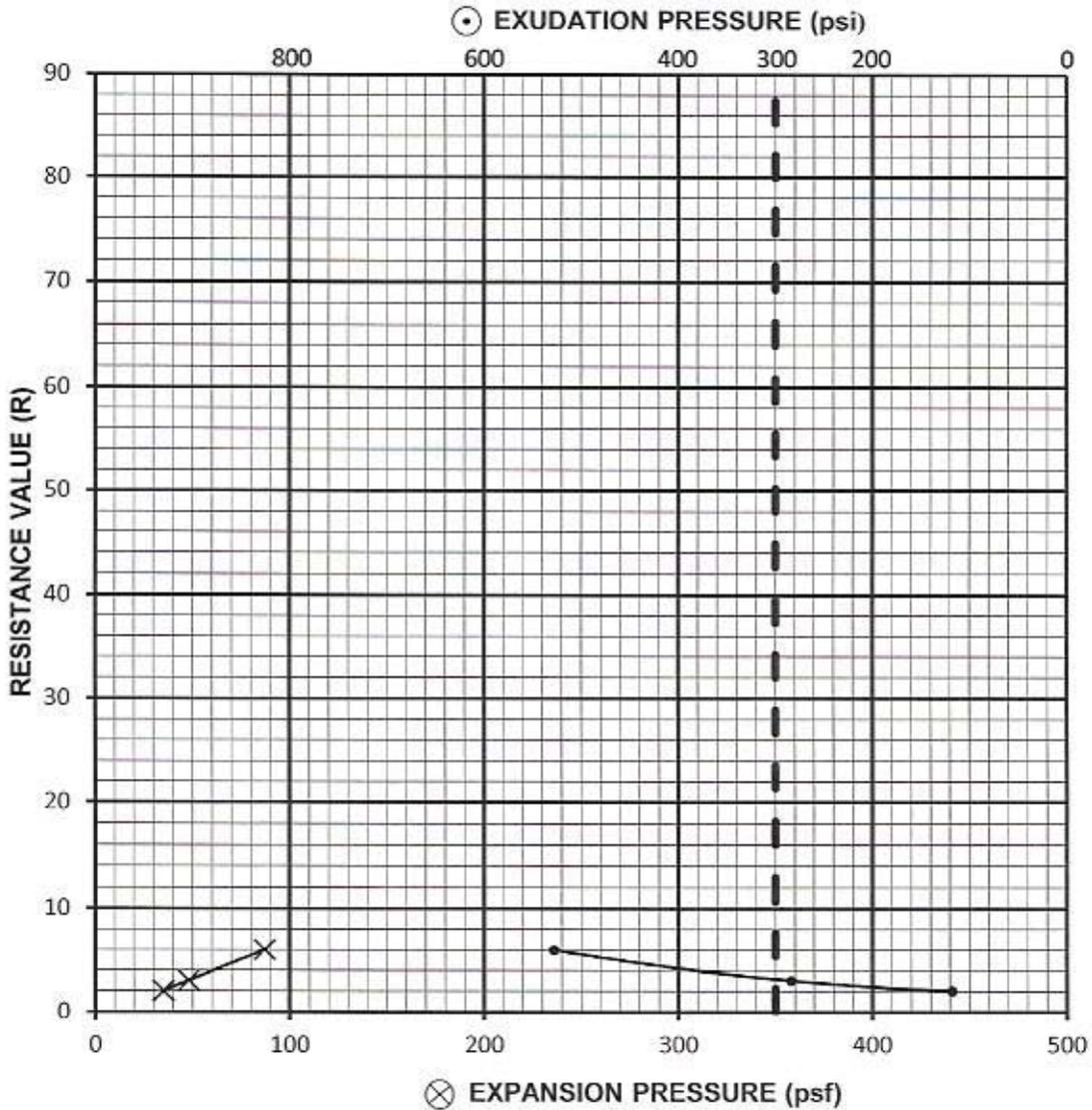
5

<u>SAMPLE LOCATION</u>	<u>INITIAL MOISTURE (%)</u>	<u>COMPACTED DRY DENSITY (PCF)</u>	<u>FINAL MOISTURE (%)</u>	<u>VOLUMETRIC SWELL (%)</u>	<u>EXPANSION INDEX*</u>	<u>EXPANSIVE CLASSIFICATION</u>
Bulk Sample No. 3 at 0.0 to 1.0 feet	16.4	87	34.2	8.9	88	Medium
Bulk Sample No. 4 at 0.0 to 1.0 feet	12.3	105	22.1	5.3	56	Medium
Bulk Sample No. 5 at 0.0 to 1.0 feet	15.2	92	32.3	9.3	92	High

* Corrected to 50 percent saturation, per Anderson & Lade, "Geotechnical Testing Journal" (ASTM Publication, June 1981)

ASTM D 4829-88

REESE & ASSOCIATES CONSULTING GEOTECHNICAL ENGINEERS	Job No: <u>825.1.1</u>	<u>EXPANSION INDEX TEST RESULTS</u> BELLEVUE RANCH PHASE 7 RESIDENTIAL DEVELOPMENT SANTA ROSA, CALIFORNIA	PLATE
	Date: <u>11-13-15</u>		6
	Appr: <u>JDM</u>		



Specimen	A	B	C
Moisture Content (%)	28.0	32.3	35.8
Dry Density (pcf)	97	86	83
Exudation Pressure (psi)	528	284	118
Expansion Pressure (psf)	87	48	35
Resistance Value (R)	6	3	2

Sample Source	Classification	Expansion Pressure (psf)	R-Value
Bulk 1: On-site Subgrade	DARK BROWN SANDY CLAY (CH)	50	3

Reference: State of California 301, ASTM D2844

**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1

Date: 11-13-15

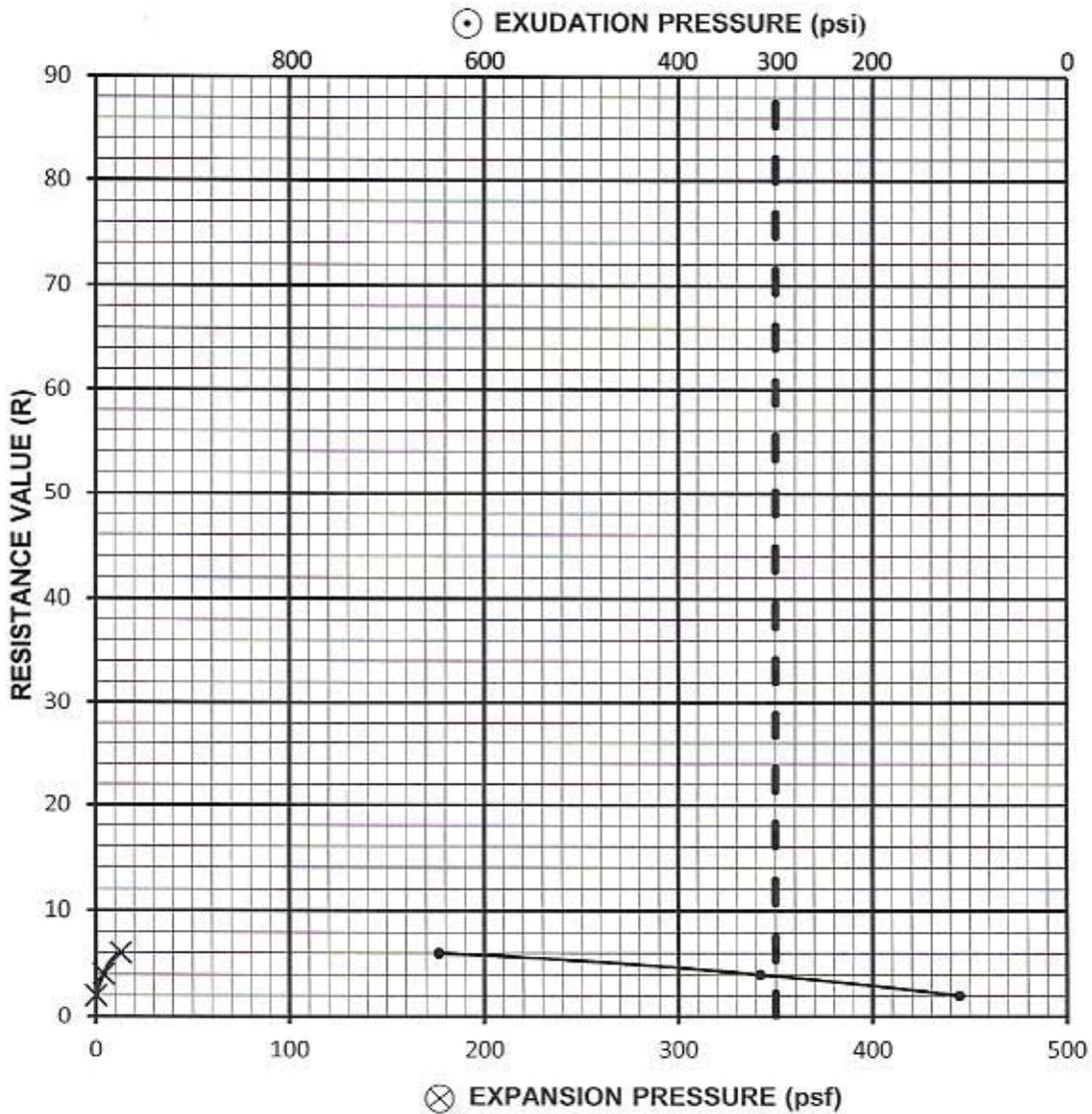
Appr: JDM

R-VALUE TEST RESULTS

BELLEVUE RANCH PHASE 7
RESIDENTIAL SUBDIVISION
SANTA ROSA, CALIFORNIA

PLATE

7



Specimen	A	B	C
Moisture Content (%)	26.0	32.5	36.7
Dry Density (pcf)	97	88	83
Exudation Pressure (psi)	647	316	111
Expansion Pressure (psf)	13	4	0
Resistance Value (R)	6	4	2

Sample Source	Classification	Expansion Pressure (psf)	R-Value
Bulk 2: On-site Subgrade	DARK BROWN SANDY CLAY (CH)	4	4

Reference: State of California 301, ASTM D2844

**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1

Date: 11-13-15

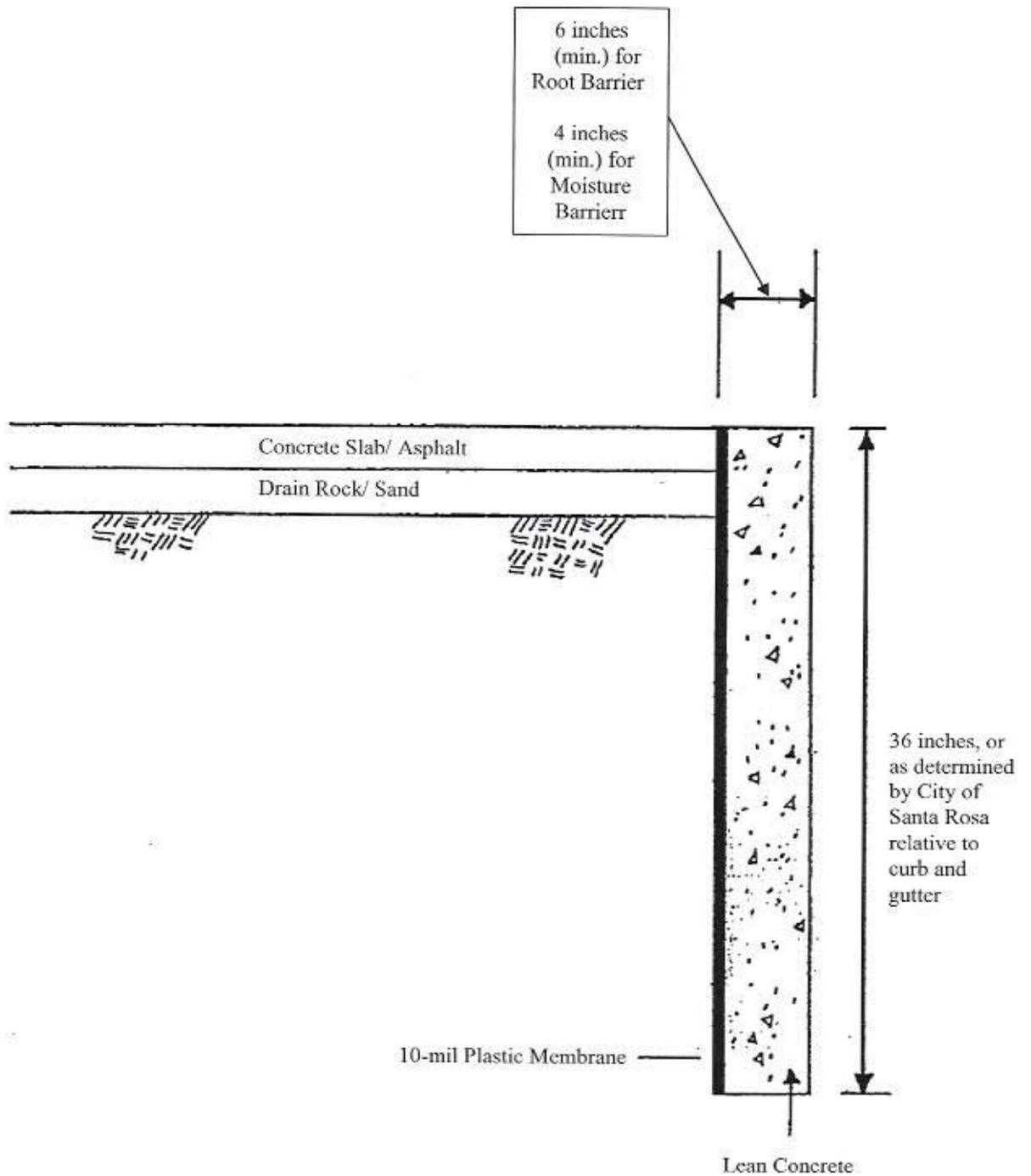
Appr: JDM

R-VALUE TEST RESULTS

BELLEVUE RANCH PHASE 7
RESIDENTIAL SUBDIVISION
SANTA ROSA, CALIFORNIA

PLATE

8



Not to Scale

**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1

Date: 10-06-15

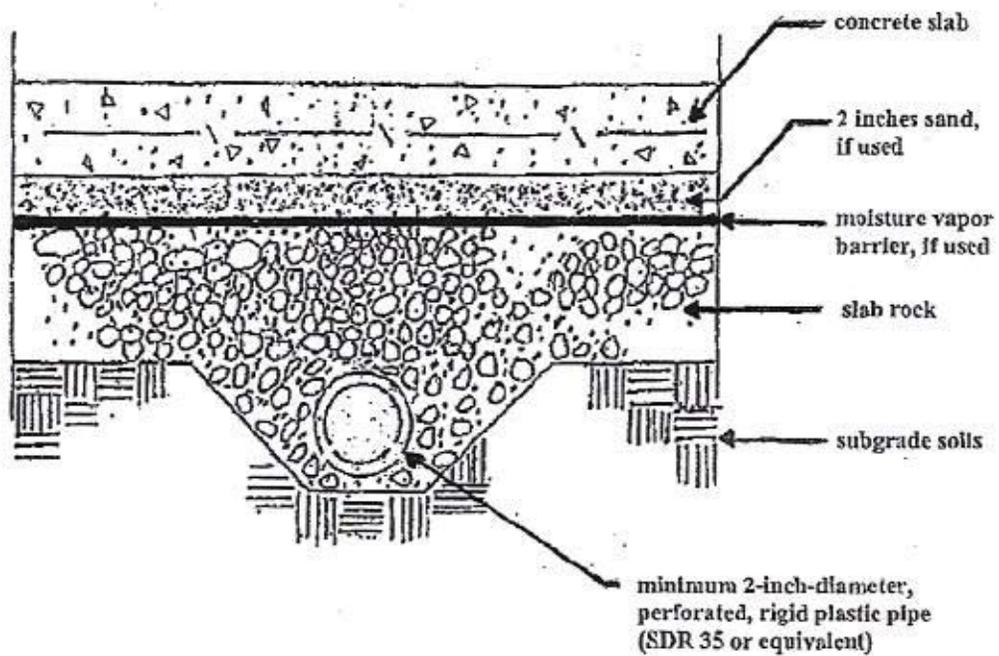
Appr: JDM

TYPICAL CROSS-SECTION
MOISTURE CUTOFF/ ROOT BARRIER

BELLEVUE RANCH PHASE 7
RESIDENTIAL DEVELOPMENT
SANTA ROSA, CALIFORNIA

PLATE

9



**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 825.1.1

Date: 10-06-15

Appr: JDM

TYPICAL CROSS SECTION
UNDERSLAB SUBDRAIN

BELLEVUE RANCH PHASE 7
RESIDENTIAL DEVELOPMENT
SANTA ROSA, CALIFORNIA

PLATE

10

APPENDIX D
*Climate Action Plan New
Development Checklists*

APPENDIX E: CAP NEW DEVELOPMENT CHECKLIST

To ensure new development projects are compliant with the City's Climate Action Plan, the following checklist has been developed. This checklist should be filled out for each new project, subject to discretionary review, to allow new development to find a less than significant impact for greenhouse gas emissions in the environmental review process.

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
1.1.1	Comply with CALGreen Tier 1 standards*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1.1.3	After 2020, all new development will utilize zero net electricity*				
1.3.1	Install real-time energy monitors to track energy use*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1.4.2	Comply with the City's tree preservation ordinance*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1.4.3	Provide public & private trees in compliance with the Zoning Code*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1.5	Install new sidewalks and paving with high solar reflectivity materials*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.1.3	Pre-wire and pre-plumb for solar thermal or PV systems	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.1.2	Support implementation of station plans and corridor plans	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
3.2.1	Provide on-site services such as ATMs or dry cleaning to site users	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.2.2	Improve non-vehicular network to promote walking, biking	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.2.3	Support mixed-use, higher-density development near services	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.3.1	Provide affordable housing near transit	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.5.1	Unbundle parking from property cost	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.6.1	Install calming features to improve ped/bike experience	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.1.1	Implement the Bicycle and Pedestrian Master Plan	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.1.2	Install bicycle parking consistent with regulations*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.1.3	Provide bicycle safety training to residents, employees, motorists	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.2.2	Provide safe spaces to wait for bus arrival	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

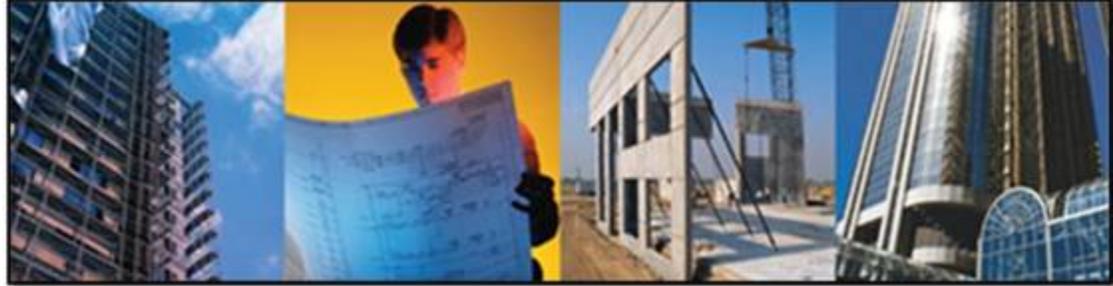
APPENDIX E

NEW DEVELOPMENT CHECKLIST

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
4.3.2	Work with large employers to provide rideshare programs	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4.3.3	Consider expanding employee programs promoting transit use	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4.3.4	Provide awards for employee use of alternative commute options	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4.3.5	Encourage new employers of 50+ to provide subsidized transit passes*	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4.3.7	Provide space for additional park-and-ride lots	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4.5.1	Include facilities for employees that promote telecommuting	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
5.1.2	Install electric vehicle charging equipment	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.2.1	Provide alternative fuels at new refueling stations*	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
6.1.3	Increase diversion of construction waste*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.1.1	Reduce potable water use for outdoor landscaping*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.1.3	Use water meters which track real-time water use*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.3.2	Meet on-site meter separation requirements in locations with current or future recycled water capabilities*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.1.3	Establish community gardens and urban farms	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.1.2	Provide outdoor electrical outlets for charging lawn equipment	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.1.3	Install low water use landscapes*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.2.1	Minimize construction equipment idling time to 5 minutes or less*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.2.2	Maintain construction equipment per manufacturer's specs*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.2.3	Limit GHG construction equipment emissions by using electrified equipment or alternative fuels*	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*To be in compliance with the CAP, all measures denoted with an asterisk are required in all new development projects unless otherwise specified. If a project cannot meet one or more of the mandatory requirements, substitutions may be made from other measures listed at the discretion of the Community Development Director.

APPENDIX E
Project Phase 1 Report



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Ryder Homes Southwest Santa Rosa Land Holdings

Bellevue Ranch Phase 7: 2903 Dutton Meadow
Santa Rosa, California 95407 – APN 043-111-007

Southwest Estates: 533 Bellevue Avenue
Santa Rosa, California 95407 – APN 134-042-067

July 20, 2015
Partner Project No. 15-142837.1



Prepared for:

Ryder Homes of California, Inc.

1425 Treat Boulevard #B
Walnut Creek, California 94597

July 20, 2015

Mr. Jay Ryder
Ryder Homes of California, Inc.
1425 Treat Boulevard #B
Walnut Creek, California 94597

Subject: Phase I Environmental Site Assessment
Ryder Homes Southwest Santa Rosa Land Holdings
Bellevue Ranch Phase 7: 2903 Dutton Meadow – APN 043-111-007
Southwest Estates: 533 Bellevue Avenue - APN 134-042-067
Santa Rosa, California 95407
Partner Project No. 15-142837.1

Dear Mr. Ryder:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 615-4500.

Sincerely,



Jenny Redlin, REPA
Relationship Manager

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Ryder Homes of California, Inc. for the property located at 2903 Dutton Meadow & 533 Bellevue Avenue in the City of Santa Rosa, Sonoma County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Ryder Homes of California, Inc. with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the western side of Dutton Meadow, northern side of Bellevue Avenue and Lower Colgan Creek, and the eastern side of Burgess Drive within a mixed commercial, agricultural, residential, and undeveloped area of Sonoma County. Please refer to the table below for further description of the subject property:

Subject Property Data

Addresses:	Bellevue Ranch Phase 7: 2903 Dutton Meadow, Santa Rosa, California 95407 – APN 043-111-007 Southwest Estates: 533 Bellevue Avenue, Santa Rosa, California 95407 - APN 134-042-067
Historic Addresses	2903 Dutton Avenue South & 533 Bellevue Avenue
Property Use:	Residential and Undeveloped
Land Acreage (Ac):	18.53 Ac
Number of Buildings:	One + out buildings
Number of Floors:	One
Gross Building Area (SF):	1,288 SF (Total)
Date of Construction:	1910
Assessor's Parcel Number (APN):	043-111-007-000 and 134-042-067-000
Type of Construction:	Wood-framed structure
Current Tenants:	One residential tenant (2903 Dutton Meadow)
Site Assessment Performed By:	Christopher Olsen of Partner
Site Assessment Conducted On:	July 13, 2015

The subject property is currently occupied by one tenant for residential use. Onsite operations consist of general residential uses and routine facility maintenance. In addition to the current structure, the subject property is also improved with a concrete-paved area (former barn foundation), two out buildings, landscaped areas, and a gravel-covered driveway. One small wood-framed building contains a domestic well that supplies drinking water to the residence. The remainder of the subject property consists of undeveloped land covered with grass and shrubs. A grove of trees is located at the southern end of Assessor Parcel Number 134-042-067-000. Small debris piles and unpaved driveways are located on the southern and eastern sides of the subject property.

According to available historical sources, the subject property was formerly undeveloped land and agricultural land with scattered residential and agricultural-type buildings since at least 1942. The Sonoma County Assessor indicated that the existing residence at 2903 Dutton Meadow was constructed in 1910.

The immediately surrounding properties consist of undeveloped land and residential development (2002-2026 Burgess Drive) to the north; undeveloped land, a residence and out buildings (2957 Dutton Meadow), Lower Colgan Creek and a paved trail to the south, with Bellevue Avenue, vacant land, residential development and a warehouse with several out buildings (582 Bellevue Avenue) farther south; undeveloped land, residences and out buildings (2957 and 2967 Dutton Meadow) and Dutton Meadow to the east, with Dutton Meadow A-1 Mini Storage (2868 Dutton Meadow), residential development, and Boron Avenue farther to the east; and Elsie Allen High School (599 Bellevue Avenue) and athletic fields to the west across Burgess Drive.

Information specific to the subject property regarding the depth to groundwater and direction of groundwater flow was not available for the subject area. However, according to information obtained from online research, depth to the high water table is anticipated between 15 and 25 feet below ground surface (bgs), and groundwater flow direction is estimated to be towards the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- The residence on the subject property is currently connected to an onsite septic system. The subject property tenant did not report any significant operational issues with the septic system, and only the toilet, shower and sinks in the residence are reportedly connected to the system. Based on the nature of waste received, the septic system is not considered a REC for the subject property at this time. In addition, the residence on the subject property is connected to one domestic well that is located in an enclosure southwest of the building. The subject property tenant did not report any water quality issues. However, the water has not been tested for quality in many years per the tenant.
- The subject property was historically used as an orchard. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. However, review of historical aerial photographs and an interview with the subject property tenant indicated that the subject property has not been used for agricultural purposes since the 1950s. No evidence of any agricultural chemicals, stained soil, or distressed vegetation was observed on the subject property. Therefore, Partner concludes that the possible former use of agricultural chemicals is not expected to represent a significant environmental concern at this time.
- Due to the age of the subject property building, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Overall, all suspect ACMs and painted surfaces were observed in poor to fair condition. Several building materials, including ceiling and wall materials, were noted during the assessment to have signs of water damage. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.
- Partner observed evidence of significant water intrusion issues likely associated with roof leaks in multiple locations in the residence. No mold was observed in the areas of water intrusion.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 2903 Dutton Meadow & 533 Bellevue Avenue in the City of Santa Rosa, Sonoma County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- It is Partner's understanding that the existing residence and out buildings will be demolished in the near future, and the subject property will be redeveloped with residences. Therefore, the existing septic system should be closed or removed by a licensed contractor in accordance with applicable regulations prior to redevelopment. In addition, the onsite domestic well should be destroyed per applicable regulations if it will not be used by the new residential development.
- Pre-demolition asbestos and lead-based paint surveys should be conducted by licensed contractors in accordance with applicable regulations.

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Purpose	1
1.2	Scope of Work	1
1.3	Limitations	2
1.4	User Reliance	2
1.5	Limiting Conditions	3
2.0	SITE DESCRIPTION	5
2.1	Site Location and Legal Description	5
2.2	Current Property Use	5
2.3	Current Use of Adjacent Properties	6
2.4	Physical Setting Sources	6
2.4.1	Topography	6
2.4.2	Hydrology	6
2.4.3	Geology/Soils	7
2.4.4	Flood Zone Information	7
3.0	HISTORICAL INFORMATION.....	8
3.1	Aerial Photograph Review	8
3.2	Fire Insurance Maps	10
3.3	City Directories	10
3.4	Historical Topographic Maps	11
4.0	REGULATORY RECORDS REVIEW	13
4.1	Regulatory Agencies	13
4.1.1	State Department	13
4.1.2	Health Department	13
4.1.3	Fire Department	13
4.1.4	Air Pollution Control Agency.....	14
4.1.5	Regional Water Quality Agency	14
4.1.6	Department of Toxic Substances Control	14
4.1.7	Building Department	15
4.1.8	Planning Department	15
4.1.9	Oil & Gas Exploration.....	15
4.1.10	Assessor's Office.....	16
4.2	Mapped Database Records Search	16
4.2.1	Regulatory Database Summary.....	16
4.2.2	Subject Property Listings	17
4.2.3	Adjacent Property Listings	17
4.2.4	Sites of Concern Listings.....	18
4.2.5	Orphan Listings.....	18
5.0	USER PROVIDED INFORMATION AND INTERVIEWS.....	19
5.1	Interviews	19
5.1.1	Interview with Owner	19
5.1.2	Interview with Report User.....	20
5.1.3	Interview with Key Site Manager	20

5.1.4	Interviews with Past Owners, Operators and Occupants	20
5.1.5	Interview with Others	20
5.2	User Provided Information.....	20
5.2.1	Title Records, Environmental Liens, and AULs.....	20
5.2.2	Specialized Knowledge.....	20
5.2.3	Actual Knowledge of the User	20
5.2.4	Valuation Reduction for Environmental Issues	21
5.2.5	Commonly Known or Reasonably Ascertainable Information	21
5.2.6	Previous Reports and Other Provided Documentation	21
6.0	SITE RECONNAISSANCE	22
6.1	General Site Characteristics.....	22
6.2	Potential Environmental Hazards.....	23
6.3	Non-ASTM Services.....	24
6.3.1	Asbestos-Containing Materials (ACMs)	24
6.3.2	Lead-Based Paint (LBP)	25
6.3.3	Radon	26
6.3.4	Lead in Drinking Water.....	26
6.3.5	Mold.....	26
6.4	Adjacent Property Reconnaissance.....	27
7.0	FINDINGS AND CONCLUSIONS.....	28
8.0	SIGNATURES OF ENVIRONMENTAL PROFESSIONALS	30
9.0	REFERENCES.....	31

Figures

- Figure 1** Site Location Map
- Figure 2** Site Plan
- Figure 3** Topographic Map

Appendices

- Appendix A** Site Photographs
- Appendix B** Historical/Regulatory Documentation
- Appendix C** Regulatory Database Report
- Appendix D** Qualifications

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 2903 Dutton Meadow & 533 Bellevue Avenue in the City of Santa Rosa, Sonoma County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential

exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Ryder Homes of California, Inc. engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Ryder Homes of

California, Inc. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at <http://www.partneresi.com/terms-and-conditions.php>.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was not able to document the historical use of the subject property prior to 1942. The following sources were reviewed during the course of this assessment and found to be limited: aerial photographs were not available prior to 1942; city directories were not available prior to 1990; topographic maps prior to 1955 were not reasonably ascertainable from local agencies; and other historical sources such as fire insurance maps did not provide coverage of the subject property. This data failure is not considered critical and does not change the conclusions of this report, as the 1942 aerial photograph revealed the subject property to be undeveloped land and farmland with scattered residential and agricultural-type buildings. In addition, the adjacent and surrounding areas are also shown mostly as undeveloped land farmland with scattered residential development.

- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Information concerning historical use of the subject property was unavailable from 1942 to 1952, 1955 to 1965, and 1982 to 1990. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.
- Partner observed all interior areas of the residence. However, photographs of the interior were not permitted by the tenant. The lack of photographs in the interior of the residence is not considered to be a significant data gap due to the residential use of the building and lack of any environmental concerns observed during the interior assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 2903 Dutton Meadow & 533 Bellevue Avenue in Santa Rosa, California is located on the western side of Dutton Meadow, northern side of Bellevue Avenue and Lower Colgan Creek, and the eastern side of Burgess Drive. According to the Sonoma County Assessor, the subject property is legally described as Assessor Parcel Numbers 043-111-007-000 and 134-042-067-000. Ownership of Assessor Parcel Number 043-111-007-000 is currently vested in TNK Ryder LP since 2014. Ownership of Assessor Parcel Number 134-042-067-000 is currently vested in Southwest Estates LLC since 2011.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by one tenant for residential use. Onsite operations consist of general residential uses and routine facility maintenance. The subject property consists of one single-story building located on the northeastern side of Assessor Parcel Number 043-111-007-000. The residence contains a small living room, kitchen, two bedrooms, one bathroom, water heater closet and closets. The building contains an unfinished attic that was inaccessible during the site reconnaissance. The residence does not contain a basement. A wooden porch is located on the eastern side of the residence. A rear door on the western side of the residence provides access to the backyard. A dirt/gravel driveway is located northeast of the residence. Several piles of household items were observed adjacent to the driveway, on the residence porch, and on the western side of the residence. A concrete pad is located west of the residence, and is the location of a former barn that was previously destroyed by fire. A metal storage shed and tents are used to store household items on the western side of the residence. A small structure southwest of the residence contains the domestic well. A small wooden storage shed is located southwest of the residence. The remainder of the subject property consists of undeveloped land covered with grass and shrubs. A grove of trees is located at the southern end of Assessor Parcel Number 134-042-067-000. Small debris piles and unpaved driveways are located on the southern and eastern sides of the subject property.

The subject property is designated for residential development by the City of Santa Rosa.

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial, agricultural, residential, and undeveloped area of Sonoma County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties

- North:** Undeveloped land and residential development (2002-2026 Burgess Drive) are located adjacent to the north.
- South:** Undeveloped land, a residence and out buildings (2957 Dutton Meadow), Lower Colgan Creek and a paved trail are located adjacent to the south, with Bellevue Avenue, vacant land, residential development and a warehouse with several out buildings (582 Bellevue Avenue) farther south.
- East:** Undeveloped land, residences and out buildings (2957 and 2967 Dutton Meadow) and Dutton Meadow are located adjacent to the east, with Dutton Meadow A-1 Mini Storage (2868 Dutton Meadow), residential development, and Boron Avenue farther to the east.
- West:** Burgess Drive is located adjacent to the west, beyond which is Elsie Allen High School (599 Bellevue Avenue) and athletic fields.

The adjacent properties to the southwest and east were identified on the Historic Underground Storage Tank (HIST UST), California Facility Inventory Database UST (CA FID UST), Statewide Environmental Evaluation and Planning System UST (SWEEPS UST), and Spills, Leaks, Investigations and Cleanups (SLIC) databases in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Santa Rosa, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 110 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the southwest. The subject property is depicted on the 1999 map as undeveloped land with three structures on the northeastern portion of the property, and three structures at the southern end of the property.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Lower Colgan Creek located adjacent to the south of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the City of Santa Rosa serves the subject property vicinity. According to the 2014 Water Quality Report, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The source of public water for the City

of Santa Rosa is groundwater from six wells along the Russian River at Wohler and Mirabel Roads, four production wells along the Russian River, three wells in the Santa Rosa Plain. Reservoirs in the Russian River watershed replenish the groundwater aquifer. The subject property is not located in the groundwater well area.

The subject property is not currently connected to the municipal system, and obtains drinking water from one domestic well adjacent to the southwest of the 2903 Dutton Meadow residence.

Information specific to the subject property regarding the depth to groundwater and direction of groundwater flow was not available for the subject area. However, according to information obtained from online research, depth to the high water table is anticipated between 15 and 25 feet bgs, and groundwater flow direction is estimated to be towards the southwest.

2.4.3 Geology/Soils

The subject property is situated within the Coastal Basin physiographic province of the State of California. In the basins just north of the San Francisco Bay (which includes the subject property), permeable basalt and tuff compose a portion of the materials overlying the older consolidated rocks. In most basins, however, almost all of the permeable material consists of unconsolidated continental deposits, primarily sand and gravel. The estimated depth to bedrock at the subject property is less than 50 feet below the ground surface.

Based on information obtained from the United States Department of Agriculture (USDA) - Natural Resources Conservation Service (NRCS) Web Soil Survey on-line database, the subject property is mapped as Clear Lake Clay, ponded. The Clear Lake series consists of poorly drained clay, clay loam, fine sandy loam and loamy coarse sand soil with a depth of 84 inches. The parent material is described as basin alluvium derived from volcanic and sedimentary rock over fan alluvium derived from volcanic and sedimentary rock. Slopes range from 0 to 2 percent.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Numbers 06097C0736F and 06097C0738F, dated October 16, 2012, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

<i>Historical Use Information</i>		
Period/Date	Source	Description/Use
1942-Present	Aerial Photographs, City Directories, Topographic Maps, Interviews, and Onsite Observations	Residential, agricultural and undeveloped land

The subject property was historically used as an orchard. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. However, review of historical aerial photographs and an interview with the subject property tenant indicated that the subject property has not been used for agricultural purposes since the 1950s. No evidence of any agricultural chemicals, stained soil, or distressed vegetation was observed on the subject property. Therefore, Partner concludes that the possible former use of agricultural chemicals is not expected to represent a significant environmental concern at this time.

No additional potential environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR) on July 3, 2015. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

<i>Date:</i>	<i>1942</i>	<i>Scale:</i>	<i>1"=500'</i>
Subject Property:	The subject property appears to be undeveloped land with trees, agricultural land, and developed with residential-type buildings, a greenhouse and out buildings.		
North:	The area adjacent to the north appears to be agricultural land and undeveloped land, and developed with residential and agricultural-type buildings.		
South:	Undeveloped land, agricultural land, residential and agricultural-type buildings and a road appear to be located to the south, with residential and agricultural-type buildings farther south.		
East:	The area adjacent to the east appears to be undeveloped land, agricultural land, and developed with residential and agricultural-type buildings and a road, with residential and agricultural-type buildings farther east.		
West:	The area adjacent to the west appears to be undeveloped land and agricultural land.		

<i>Dates:</i>	<i>1952 and 1965</i>	<i>Scale:</i>	<i>1"=500'</i>
Subject Property:	No significant changes visible		
North:	No significant changes visible		
South:	No significant changes visible		

Dates: 1952 and 1965 **Scale:** 1"=500'

East: No significant changes visible
West: No significant changes visible

Date: 1968 **Scale:** 1"=500'

Subject Property: No significant changes visible
North: No significant changes visible
South: Undeveloped land, agricultural land, residential and agricultural-type buildings and a canal appear to be located to the south, with a road, residential and agricultural-type buildings farther south.
East: No significant changes visible
West: No significant changes visible

Date: 1973 **Scale:** 1"=500'

Subject Property: No significant changes visible
North: No significant changes visible
South: Undeveloped land, agricultural land, residential and agricultural-type buildings and a canal appear to be located to the south, with a road, residential, warehouse and agricultural-type buildings farther south.
East: No significant changes visible
West: No significant changes visible

Date: 1982 and 1993 **Scale:** 1"=500'

Subject Property: No significant changes visible
North: No significant changes visible
South: No significant changes visible
East: No significant changes visible
West: No significant changes visible

Date: 1998 **Scale:** 1"=500'

Subject Property: The subject property appears to be undeveloped land with trees, agricultural land, and developed with residential-type buildings and out buildings. The previously identified greenhouse on the northeastern side of the property and residence on the southern side of the property appear to have been removed.
North: No significant changes visible
South: No significant changes visible
East: No significant changes visible
West: The area adjacent to the west appears to be developed with the existing school and athletic fields.

Date:	2005	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	The area adjacent to the north appears to be undeveloped land and developed with residential-type buildings.		
South:	No significant changes visible		
East:	The area adjacent to the east appears to be undeveloped land, agricultural land, and developed with residential and agricultural-type buildings and a road, with residential buildings and a self-storage facility farther east.		
West:	No significant changes visible		

Date:	2006, 2009, 2010 and 2012	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	No significant changes visible		
South:	No significant changes visible		
East:	No significant changes visible		
West:	No significant changes visible		

Copies of the aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from Environmental Data Resources (EDR) on June 30, 2015. Sanborn map coverage was not available for the subject property.

3.3 City Directories

Partner reviewed historical city directories obtained from the San Rafael Public Library on July 13, 2015 for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 2903 Dutton Meadow & 533 Bellevue Avenue (Subject Property)	
Year(s)	Occupant Listed
1990, 1994 and 1998	No Listings (533 Bellevue Avenue); XXXX (2903 Dutton Meadow)
2003 and 2008	No Listings (533 Bellevue Avenue); No Listings (2903 Dutton Meadow)
2014	No Listings (533 Bellevue Avenue); Thomas Fitzsimmons (2903 Dutton Meadow)

* XXXX= A phone number is present but is not registered to a tenant or is disconnected.

Based on the city directory review, no environmentally sensitive listings were identified for the subject property addresses.

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
1990	Residential Listings (582 Bellevue Avenue); No Listings (599 Bellevue Avenue); No Listings (2002-2026 Burgess Drive); A-1 Mini Storage (2868 Dutton Meadow); XXXX (2957 Dutton Meadow); Residential Listings (2965 and 2967 Dutton Meadow)
1994	Residential Listings (582 Bellevue Avenue); No Listings (599 Bellevue Avenue); No Listings (2002-2026 Burgess Drive); A-1 Mini Storage and A1 Storage and U-Haul (2868 Dutton Meadow); XXXX (2957 Dutton Meadow); Residential Listings (2965 and 2967 Dutton Meadow)
1998	Residential Listings (582 Bellevue Avenue); Santa Rosa City School District (599 Bellevue Avenue); No Listings (2002-2026 Burgess Drive); A-1 Mini Storage (2868 Dutton Meadow); XXXX (2957 Dutton Meadow); Residential Listing (2965 and 2967 Dutton Meadow)
2003	Residential Listings (582 Bellevue Avenue); Santa Rosa City School District (599 Bellevue Avenue); Residential Listings (2002-2026 Burgess Drive); A-1 Mini Storage (2868 Dutton Meadow); Residential Listing (2957 Dutton Meadow); Residential Listing (2965 Dutton Meadow)
2008	Residential Listings (582 Bellevue Avenue); Santa Rosa City School District (599 Bellevue Avenue); Residential Listings (2002-2026 Burgess Drive); A-1 Mini Storage (2868 Dutton Meadow); Residential Listing (2957 Dutton Meadow); XXXX (2965 and 2967 Dutton Meadow)
2014	Residential Listing (582 Bellevue Avenue); Santa Rosa City School District (599 Bellevue Avenue); Residential Listings (2002-2026 Burgess Drive); A-1 Mini Storage (2868 Dutton Meadow); Residential Listing (2957 Dutton Meadow); No Listings (2967 Dutton Meadow)

* XXXX= A phone number is present but is not registered to a tenant or is disconnected.

Based on the city directory review, no environmentally sensitive listings were identified for the adjacent property addresses.

Copies of reviewed city directories are not included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from United States Geological Survey on July 13, 2015. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date: 1955

Subject Property:	The subject property is depicted as undeveloped land, agricultural land, and developed with two structures on the northeastern side of the property, and one structure at the southern end of the property.
North:	The area adjacent to the north is depicted as agricultural land, undeveloped land and developed with one structure.
South:	The area adjacent to the south is depicted as a canal and developed with two structures, with Bellevue Road and with multiple structures farther south.
East:	The area adjacent to the east is depicted as undeveloped land, and developed with three structures and a road, with multiple structures farther east.
West:	The area adjacent to the west is depicted as undeveloped land, with agricultural land farther west.

Date: 1969

- Subject Property:** The subject property is depicted as undeveloped land, agricultural land, and developed with three structures on the northeastern side of the property, and three structures at the southern end of the property.
- North:** The area adjacent to the north is depicted as agricultural land, undeveloped land and developed with three structures.
- South:** The area adjacent to the south is depicted as a flood control channel and developed with multiple structures, with Bellevue Road and with multiple structures farther south.
- East:** The area adjacent to the east is depicted as undeveloped land, and developed with multiple structures and a road, with multiple structures farther east.
- West:** The area adjacent to the west is depicted as undeveloped land.

Date: 1975

- Subject Property:** No significant changes depicted
- North:** No significant changes depicted
- South:** The area adjacent to the south is depicted as a flood control channel and developed with three structures, with Bellevue Road and with multiple structures farther south.
- East:** The area adjacent to the east is depicted as undeveloped land, and developed with three structures and a road, with multiple structures farther east.
- West:** No significant changes depicted

Date: 1980

- Subject Property:** No significant changes depicted
- North:** No significant changes depicted
- South:** The area adjacent to the south is depicted as a flood control channel and developed with six structures, with Bellevue Road and with multiple structures farther south.
- East:** The area adjacent to the east is depicted as undeveloped land, and developed with six structures and a road, with multiple structures farther east.
- West:** No significant changes depicted

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data

Name of Agency:	California Environmental Protection Agency (CalEPA)
Point of Contact:	N/A
Agency Address:	1001 I Street, Sacramento, California 95812
Agency Phone Number:	(916) 323-2514
Date of Contact:	July 1, 2015
Method of Communication:	Internet
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the CalEPA.

4.1.2 Health Department

Regulatory Agency Data

Name of Agency:	Sonoma County Public Health, Local Oversight Program (LOP)
Point of Contact:	Representative
Agency Address:	625 5 th Street, Santa Rosa, California 95404
Agency Phone Number:	(707) 565-6571
Date of Contact:	July 1, 2015
Method of Communication:	Telephone
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the LOP.

4.1.3 Fire Department

Regulatory Agency Data

Name of Agency:	Santa Rosa Fire Department (SRFD)
Point of Contact:	Gwen Buckeye
Agency Address:	2273 Circadian Way, Santa Rosa, California 95407
Agency Phone Number:	(707) 543-4547
Date of Contact:	July 1, 2015
Method of Communication:	Telephone
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the SRFD.

4.1.4 Air Pollution Control Agency

<i>Regulatory Agency Data</i>	
Name of Agency:	Bay Area Air Quality Management District (BAAQMD) and California Air Resources Control Board (CARB)
Point of Contact:	N/A
Agency Address:	939 Ellis Street, San Francisco, California 94109
Agency Phone Number:	(415) 771-6000
Date of Contact:	July 1, 2015
Method of Communication:	Internet and Telephone
Summary of Communication:	No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property with the BAAQMD or CARB.

4.1.5 Regional Water Quality Agency

<i>Regulatory Agency Data</i>	
Name of Agency:	Regional Water Quality Control Board (RWQCB)
Point of Contact:	N/A
Agency Address:	5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Agency Phone Number:	(707) 565-6565
Date of Contact:	July 1, 2015
Method of Communication:	Internet
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the RWQCB.

4.1.6 Department of Toxic Substances Control

<i>Regulatory Agency Data</i>	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	N/A
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 255-3687
Date of Contact:	July 1, 2015
Method of Communication:	Internet
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with DTSC's EnviroStor database.

4.1.7 Building Department

Regulatory Agency Data

Name of Agency:	Santa Rosa Building Department (SRBD)
Point of Contact:	N/A
Agency Address:	100 Santa Rosa Avenue, Santa Rosa, California
Agency Phone Number:	(707) 543-3200
Date of Contact:	July 13, 2015
Method of Communication:	In Person and Internet
Summary of Communication:	Partner contacted SRBD and reviewed available building permit records on SRBD's website. There were no records for the subject property addresses.

4.1.8 Planning Department

Regulatory Agency Data

Name of Agency:	Santa Rosa Planning Department (SRPD)
Point of Contact:	N/A
Agency Address:	100 Santa Rosa Avenue, Santa Rosa, California
Agency Phone Number:	(707) 543-3265
Date of Contact:	July 13, 2015
Method of Communication:	In Person and Internet
Summary of Communication:	According to records reviewed, Assessor Parcel Number 043-111-007-000 is zoned PD (Planned Development) for residential development by the City of Santa Rosa. Assessor Parcel Number 134-042-067-000 is zoned R-1-6 (Single Family Residential) for residential development by the City of Santa Rosa.

A copy of pertinent documents is included in Appendix B of this report.

4.1.9 Oil & Gas Exploration

Regulatory Agency Data

Name of Agency:	California Division of Oil, Gas and Geothermal Resources (DOGGR)
Point of Contact:	N/A
Agency Address:	801 K Street, MS 20-22, Sacramento, California 95814
Agency Phone Number:	(916) 322-1110
Date of Contact:	July 1, 2015
Method of Communication:	Online DOGGR mapping system
Summary of Communication:	According to DOGGR's online mapping system, no oil or gas wells are located on or adjacent to the subject property.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.10 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Sonoma County Assessor (SCA)
Point of Contact:	N/A
Agency Address:	585 Fiscal Drive, Suite 103F, Santa Rosa, California 95403
Agency Phone Number:	(707) 565-1888
Date of Contact:	July 13, 2015
Method of Communication:	In Person
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Numbers (APN) 043-111-007-000 and 134-042-067-000. APN 043-111-007-000 is described as a 5.75 acre parcel that is developed with a two-bedroom, one-bathroom residence that contains a total of 1,288 square feet and was constructed in 1910. APN 043-111-007-000 has been owned by TNK Ryder LP since 2014. APN 134-042-067-000 is described as a 12,78 acre parcel that contains no structures, and has been owned by Southwest Estates LLC since 2011.

A copy of pertinent documents is included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	Search Radius (mile)	Subject Property	Adjacent Properties	Sites of Concern
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSD Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N

Radius Report Data

Database	Search Radius (mile)	Subject Property	Adjacent Properties	Sites of Concern
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills (SLIC)	0.50	N	Y	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	N	N
EDR US Hist Cleaners	Varies	N	N	N
HIST UST	0.25	N	Y	N
CA FID UST	0.25	N	Y	N
SWEEPS UST	0.25	N	Y	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjacent Property Listings

The adjacent properties to the southwest and east were identified on the HIST UST, CA FID UST, SWEEPS UST, and SLIC databases in the regulatory database report, as discussed below:

- The property, identified as George H. Haber at 590 Bellevue Avenue, is located adjacent to the southwest of the subject property. The HIST UST, CA FID UST and SWEEPS UST databases indicated that this site contained one 1,000-gallon gasoline UST and one 1,000-gallon diesel fuel UST that are listed as active. There is no additional pertinent information about this site in the UST databases. In addition, there are no listings pertaining to any spills or releases of hazardous substances at this site. Based on regulatory status, the USTs at this site are not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- The property, identified as A-1 Mini Storage at 2868 Dutton Avenue South, is located adjacent to the east of the subject property. The SLIC database indicated that the soil contamination case involving a release of gasoline was closed by the Regional Water Quality Control board on January 14, 1997. Based on regulatory status and media impacted (soil only), this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.5 Orphan Listings

No orphan listings of potential environmental concern are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Ryder Homes of California, Inc. (User of this report).

User Responsibilities

Item	Provided By User	Not Provided By User	Discussed Below	Does Not Apply
Environmental Pre-Survey Questionnaire			X	
Title Records, Environmental Liens, and AULs			X	
Specialized Knowledge			X	
Actual Knowledge			X	
Valuation Reduction for Environmental Issues			X	
Identification of Key Site Manager	Section 5.1.3			
Reason for Performing Phase I ESA	Section 1.1			
Prior Environmental Reports		X		
Other		X		

5.1 Interviews

5.1.1 Interview with Owner

The owners of the subject property were not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User.

5.1.3 Interview with Key Site Manager

A key site manager was not provided.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interview with Others

Partner interviewed Mr. Tom Fitzsimmons, residential tenant of 2903 Dutton Meadow, during the onsite reconnaissance. Mr. Fitzsimmons stated that he has occupied the 2903 Dutton Meadows property for residential and storage purposes for the past 20 years. Mr. Fitzsimmons stated that he operates a home-based business, and stores household items for sale in a storage shed and in the interior of the residence. Mr. Fitzsimmons stated that there are currently multiple roof leaks in the residence. Mr. Fitzsimmons was unaware of any environmental concerns associated with the subject property. Mr. Fitzsimmons stated that the residence is connected to an onsite domestic well. Mr. Fitzsimmons was unaware of any prior water quality testing, and was unaware of any issues with the quality of the water. Mr. Fitzsimmons stated that he does not drink the water, and it is only used for showers, toilet and sinks. Mr. Fitzsimmons stated that the residence is connected to an onsite septic system. Mr. Fitzsimmons reported no operational issues with the septic system, and indicated that only the toilet, sinks and shower in the residence are connected to the system. Mr. Fitzsimmons provided access to the interior of the residence, but did not permit Partner to take interior photographs.

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data

Site Assessment Performed By: Christopher Olsen
Site Assessment Conducted On: July 13, 2015

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 2903 Dutton Meadow & 533 Bellevue Avenue (Subject Property)

Name	Title/Role	Contact Number	Site Walk* Yes/No
Mr. Don Reindahll	Representative with Ryder Homes	(707) 310-2024	No
Mr. Tom Fitzsimmons	Tenant of 2903 Dutton Meadow	Not provided	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in residential-sized bins located adjacent to the 2903 Dutton Meadow residence on the subject property. An independent solid waste disposal contractor, Redwood Empire Disposal, removes solid waste from the subject property. According to property personnel, only household trash is collected in the on-site solid waste dumpsters. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges from the subject property are directed to an onsite septic system, as further discussed in Section 6.1.7.

6.1.3 Surface Water Drainage

Site storm water from the roof and landscaped areas naturally infiltrates the ground surface. The subject property is not connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating systems as well as domestic hot water equipment are fueled by electricity and natural gas provided by Pacific Gas and Electric Company (PG&E). The mechanical system is comprised of a natural gas-fired wall-mounted heater. Hot water is provided by an electrically-powered unit. No cooling systems were observed at the subject property.

6.1.5 Wells and Cisterns

No aboveground evidence of cisterns was observed during the site reconnaissance. The residence on the subject property is connected to one domestic well that is located in an enclosure southwest of the building. The subject property tenant did not report any water quality issues. However, the water has not been tested for quality in many years per the tenant.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of a septic system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

The residence on the subject property is currently connected to an onsite septic system. The subject property tenant did not report any significant operational issues with the septic system, and only the toilet and sinks in the residence are reportedly connected to the system. Based on the nature of waste received, the septic system is not considered a REC for the subject property at this time.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No evidence of the use of reportable quantities of hazardous substances was observed on the subject property. Small quantities of general maintenance supplies were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. The storage and use of maintenance supplies does not appear to pose a significant threat to the environmental integrity of the subject property at this time.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property building was constructed in 1910. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs			
Suspect ACM	Location	Friable Yes/No	Physical Condition
Drywall Systems	Throughout Building Interior	No	Poor/Fair
Floor Tiles	Throughout Building Interior	No	Good
Floor Tile Mastic	Throughout Building Interior	No	Good

Several building materials, including ceiling and wall materials, were noted during the assessment to have signs of water damage. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm² (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the age of the subject property building (pre-1978), there is a potential that LBP is present. Interior and exterior painted surfaces were observed to be damaged, peeling and flaking in multiple locations. In addition, water damaged ceiling materials were observed in the residence.

Actual material samples would need to be collected in order to determine if LBP is present.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	Average Predicted Radon Levels	Potential
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the City of Santa Rosa serves the subject property vicinity. According to the 2014 Water Quality Report, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The source of public water for the City of Santa Rosa is groundwater from six wells along the Russian River at Wohler and Mirabel Roads, four production wells along the Russian River, three wells in the Santa Rosa Plain. Reservoirs in the Russian River watershed replenish the groundwater aquifer. The subject property is not located in the groundwater well area. According to the City of Santa Rosa and the 2014 Annual Water Quality Report, the municipal water supply is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper.

The subject property is not currently connected to the municipal system. The residence on the subject property is connected to one domestic well that is located in an enclosure southwest of the building. The subject property tenant did not report any water quality issues. However, the water has not been tested for quality in many years per the tenant. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property building for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

The following indications of water damage or mold growth were observed during Partner's visual assessment:

Mold Observations

Location of area affected	Condition
Multiple locations in the residence	Partner observed evidence of significant water intrusion issues likely associated with roof leaks in multiple locations in the residence. No mold was observed in the areas of water intrusion

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- The residence on the subject property is currently connected to an onsite septic system. The subject property tenant did not report any significant operational issues with the septic system, and only the toilet, shower and sinks in the residence are reportedly connected to the system. Based on the nature of waste received, the septic system is not considered a REC for the subject property at this time. In addition, the residence on the subject property is connected to one domestic well that is located in an enclosure southwest of the building. The subject property tenant did not report any water quality issues. However, the water has not been tested for quality in many years per the tenant.
- The subject property was historically used as an orchard. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. However, review of historical aerial photographs and an interview with the subject

property tenant indicated that the subject property has not been used for agricultural purposes since the 1950s. No evidence of any agricultural chemicals, stained soil, or distressed vegetation was observed on the subject property. Therefore, Partner concludes that the possible former use of agricultural chemicals is not expected to represent a significant environmental concern at this time.

- Due to the age of the subject property building, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Overall, all suspect ACMs and painted surfaces were observed in poor to fair condition. Several building materials, including ceiling and wall materials, were noted during the assessment to have signs of water damage. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.
- Partner observed evidence of significant water intrusion issues likely associated with roof leaks in multiple locations in the residence. No mold was observed in the areas of water intrusion.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 2903 Dutton Meadow & 533 Bellevue Avenue in the City of Santa Rosa, Sonoma County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- It is Partner's understanding that the existing residence and out buildings will be demolished in the near future, and the subject property will be redeveloped with residences. Therefore, the existing septic system should be closed or removed by a licensed contractor in accordance with applicable regulations prior to redevelopment. In addition, the onsite domestic well should be destroyed per applicable regulations if it will not be used by the new residential development.
- Pre-demolition asbestos and lead-based paint surveys should be conducted by licensed contractors in accordance with applicable regulations.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 2903 Dutton Meadow & 533 Bellevue Avenue in the City of Santa Rosa, Sonoma County, California in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Christopher Olsen
Environmental Professional

Reviewed By:



David Boyce
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Aerial Photograph (1942-2012)

EDR, Radius Report, June 2015

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, July 2015

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, July 2015

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, July 2015

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, July 2015

United States Geological Survey, accessed via the Internet, July 2015

United States Geological Survey Topographic Maps 1955-1999, 7.5 minute series, accessed via internet, July 2015

FIGURES

- 1 SITE LOCATION MAP**
- 2 SITE PLAN**
- 3 TOPOGRAPHIC MAP**

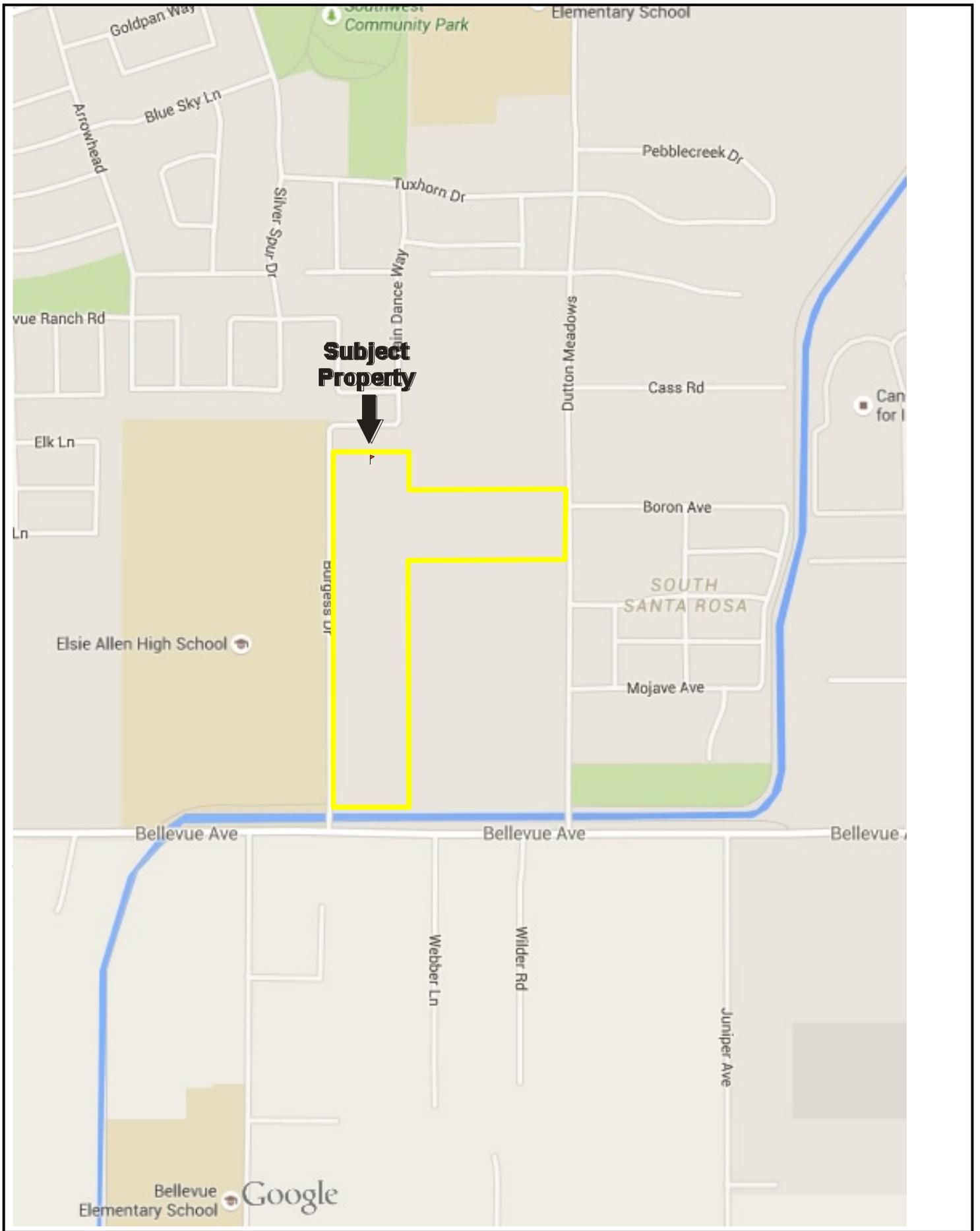
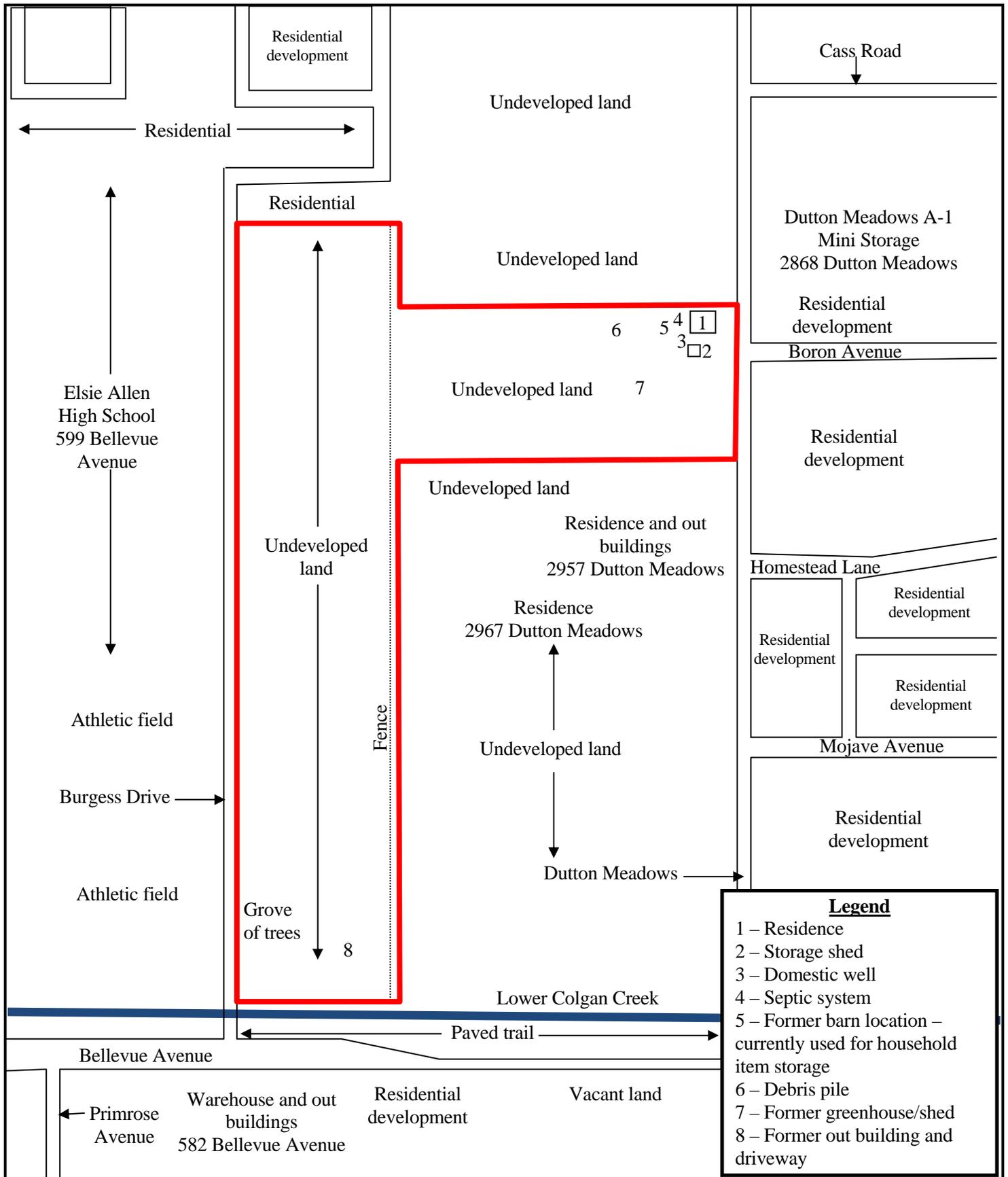


FIGURE 1: SITE LOCATION MAP
Project No. 15-142837.1

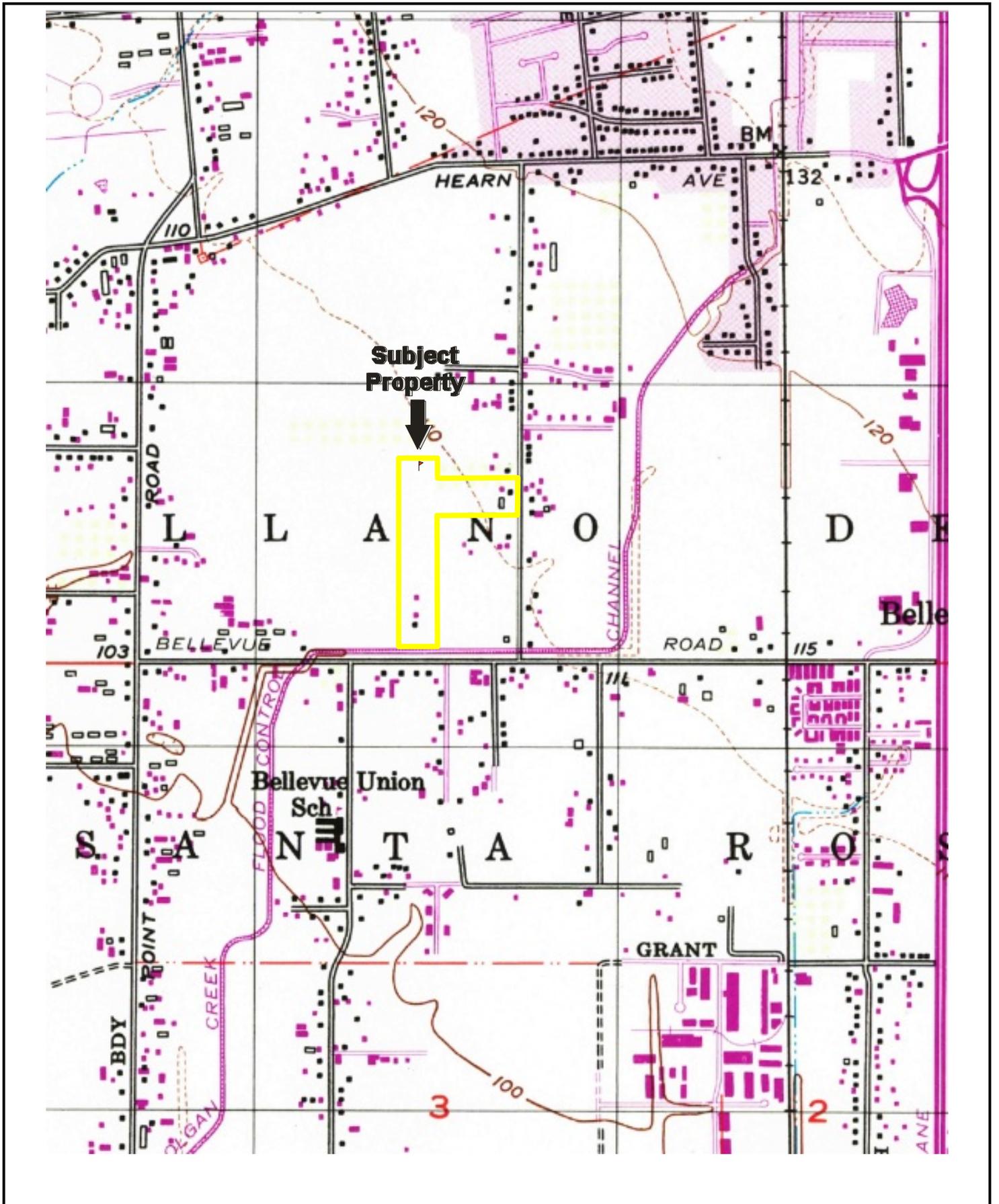
Drawing Not To Scale

PARTNER



KEY:
 Subject Site

FIGURE 2: SITE PLAN
 Project No. 15-142837.1



USGS 7.5 Minute *Santa Rosa*, CA Quadrangle

Created: 1999

FIGURE 3: TOPOGRAPHIC MAP
Project No. 15-142837.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1. View of the eastern side of the residence on the subject property



2. View of the northern side of the residence on the subject property



3. View of the western side of the residence on the subject property



4. View of the southern side of the residence on the subject property



5. View of the storage shed and household items on the western side of the residence



6. View of the storage shed and household items on the western side of the residence



7. View of sitting area and household item storage area on the western side of the residence



8. View of sitting area and household item storage area on the western side of the residence



9. View of the driveway on the eastern side of the residence



10. View of the well house



11. View of the domestic well



12. View of the septic tank location



13. View of the west of the leachfield



14. View of a small debris pile west of the residence



15. View west of undeveloped portion of the subject property



16. View of undeveloped land at the northwestern corner of the subject property



17. View of undeveloped land on the western side of the subject property



18. View of undeveloped land on the western side of the subject property



19. View south of a fence and undeveloped land on the western side of the subject property



20. View east of the subject property



21. View north of the subject property



22. View of a grove of trees at the southern end of the subject property



23. View of the southern end of the subject property



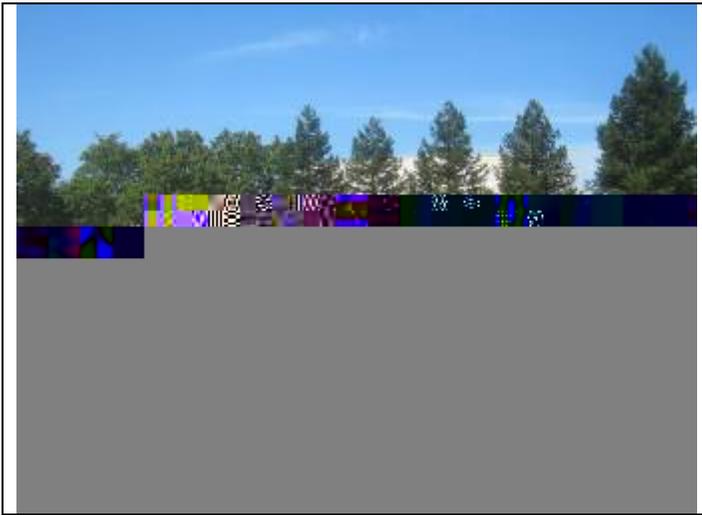
24. View of the southern end of the subject property



25. View of undeveloped land adjacent to the north



26. View of undeveloped land adjacent to the north



27. View of Elsie Allen High School adjacent to the west



28. View of residential development adjacent to the north

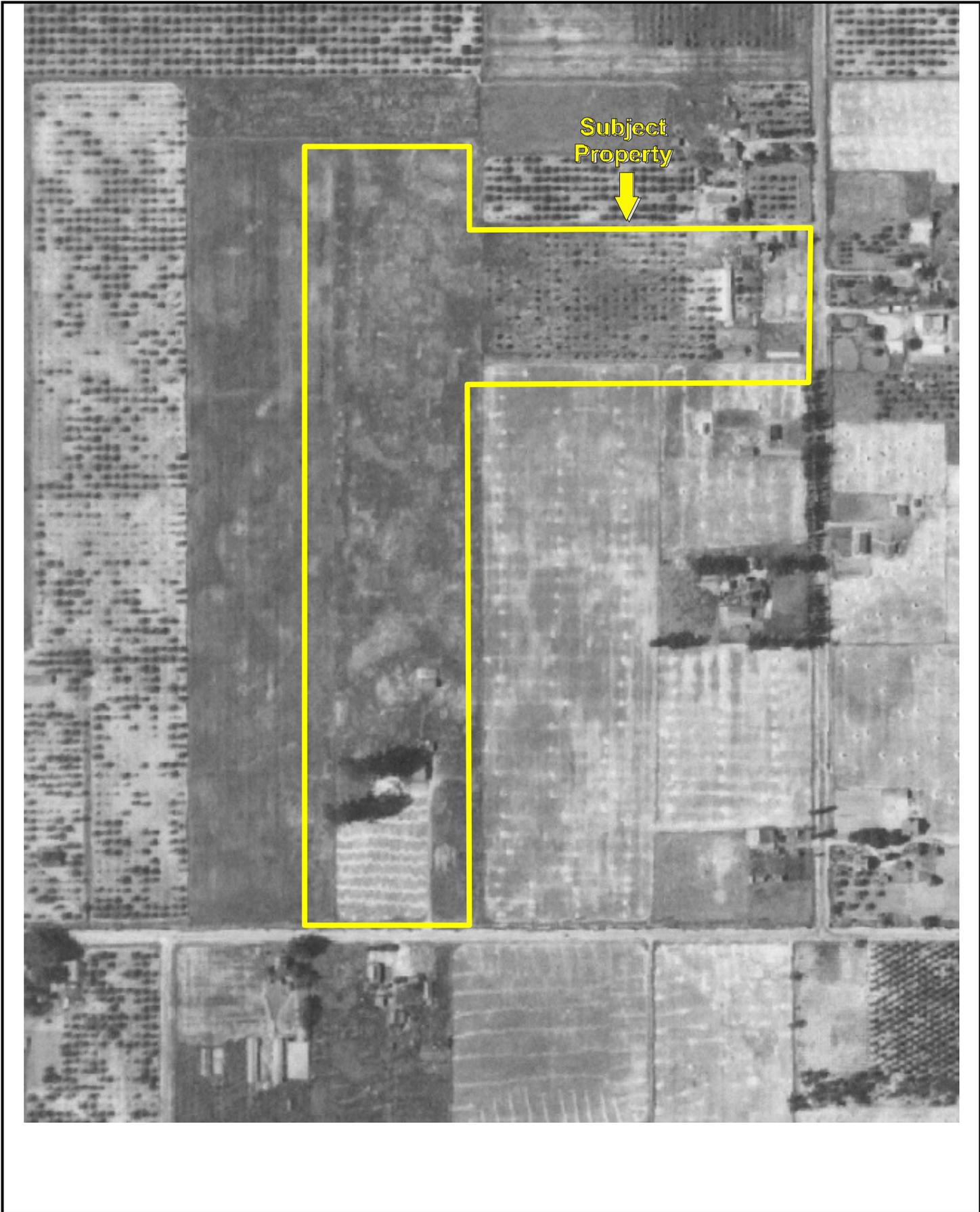


29. View of undeveloped land and a residence and out buildings adjacent to the south and east



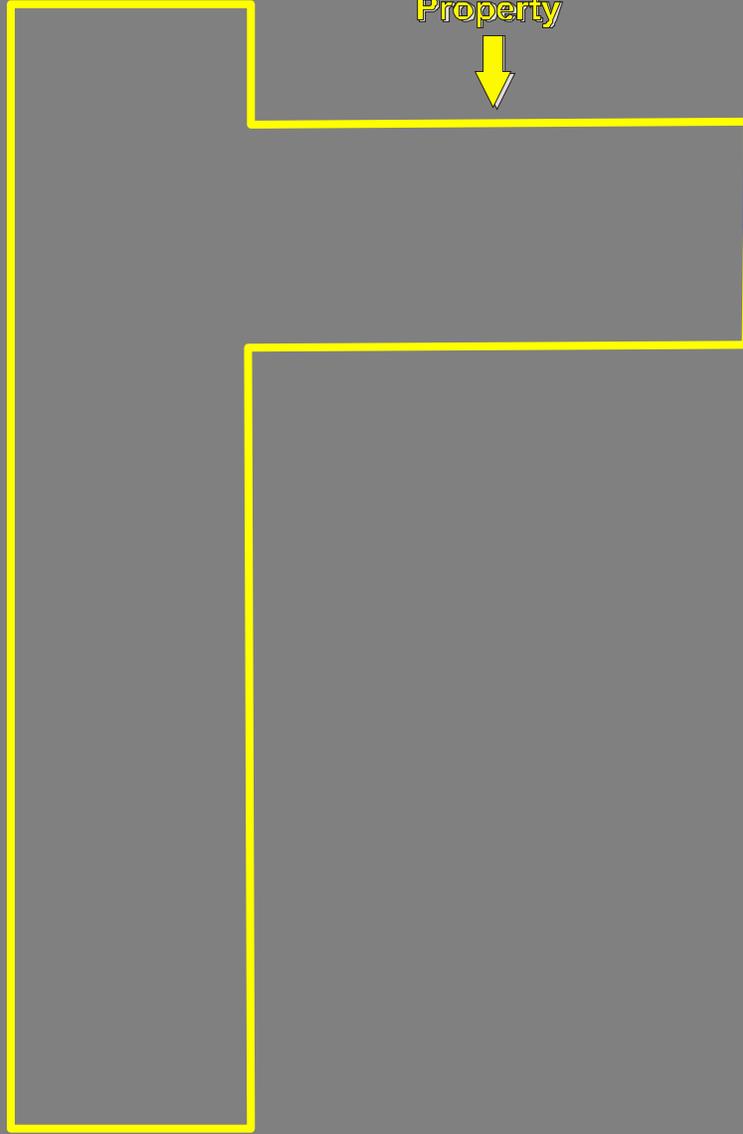
30. View of Lower Colgan Creek and walking trail adjacent to the south

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

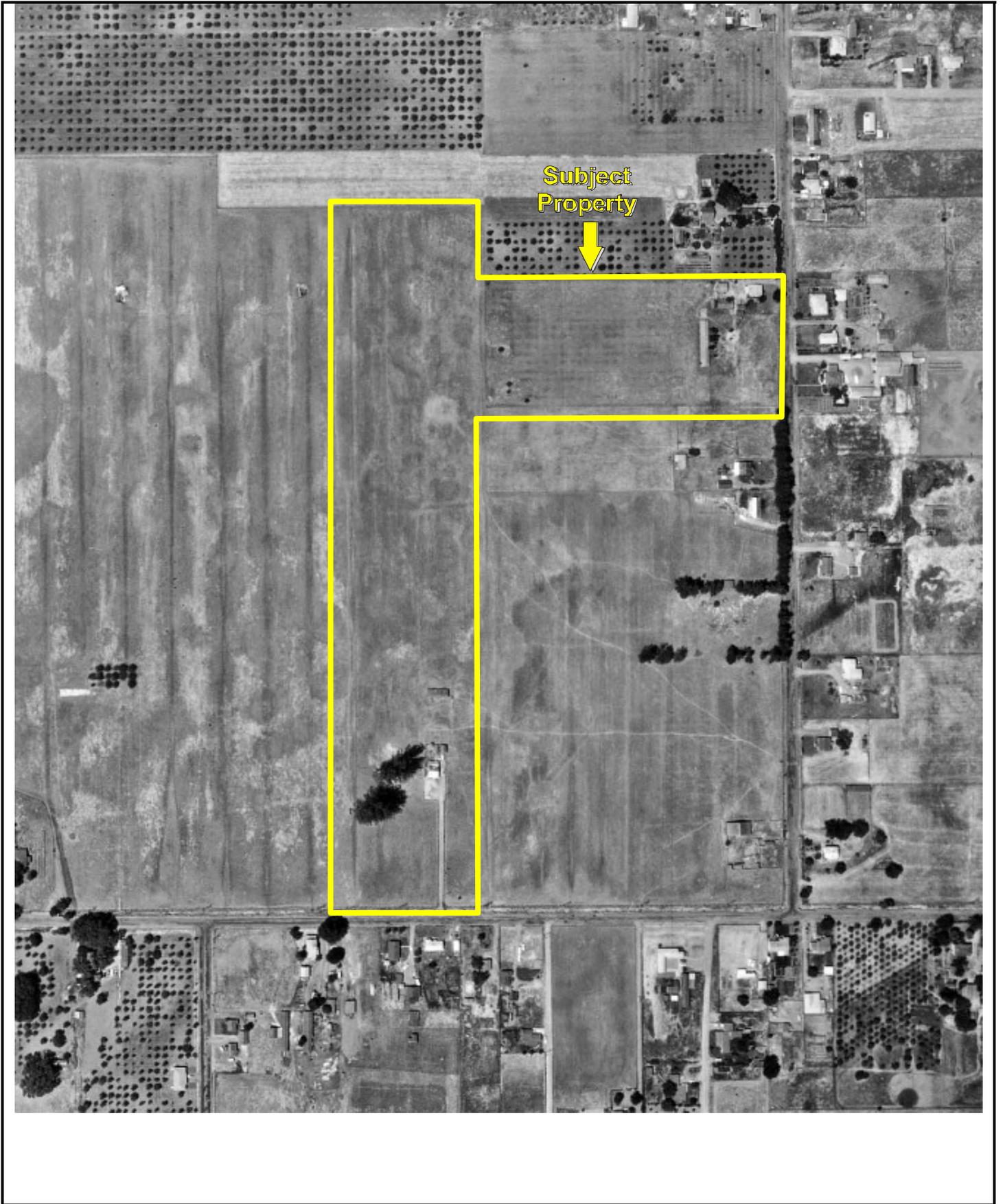


Date of Photograph: 1942

Subject
Property



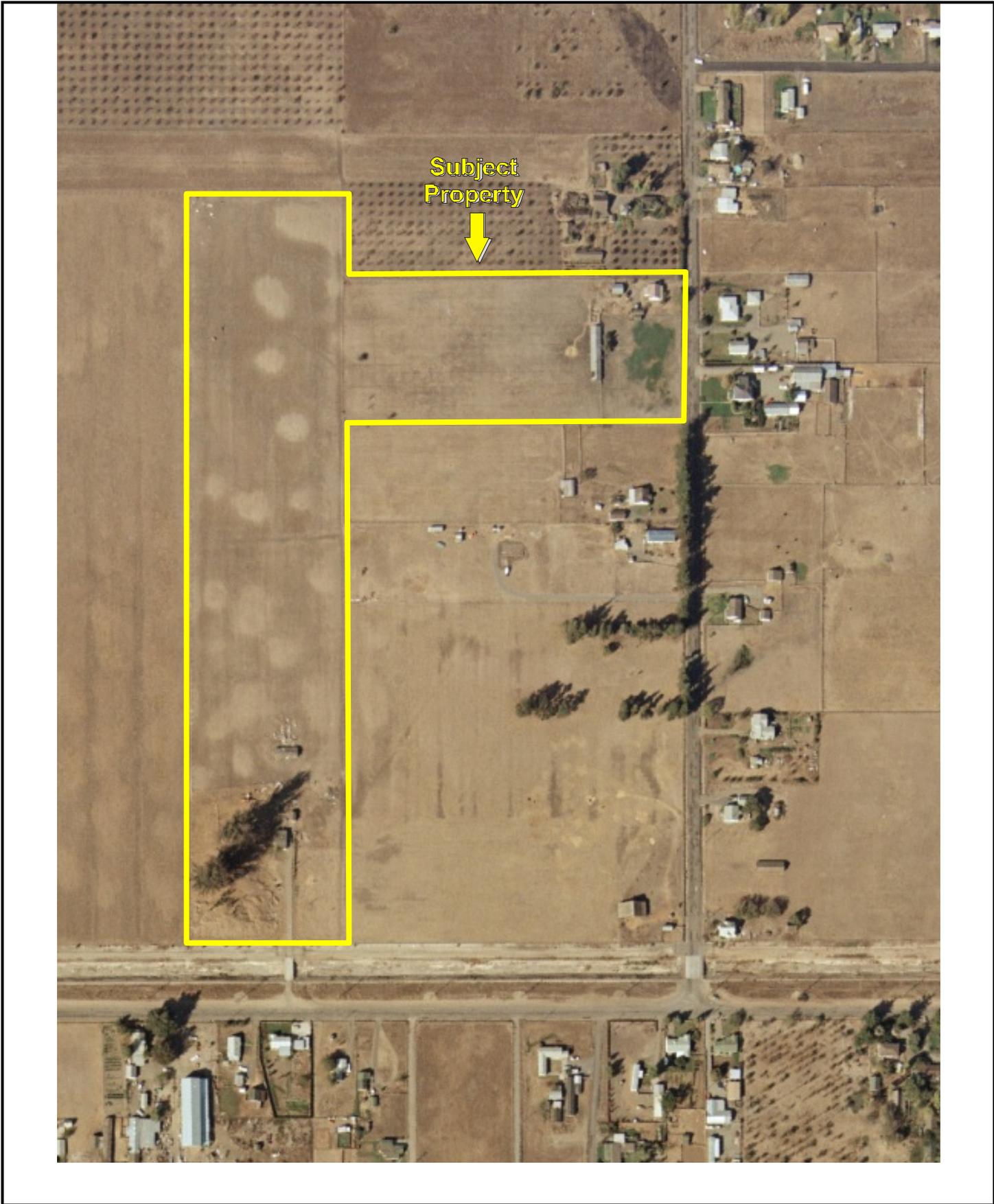
Date of Photograph: 1952



Date of Photograph: 1965



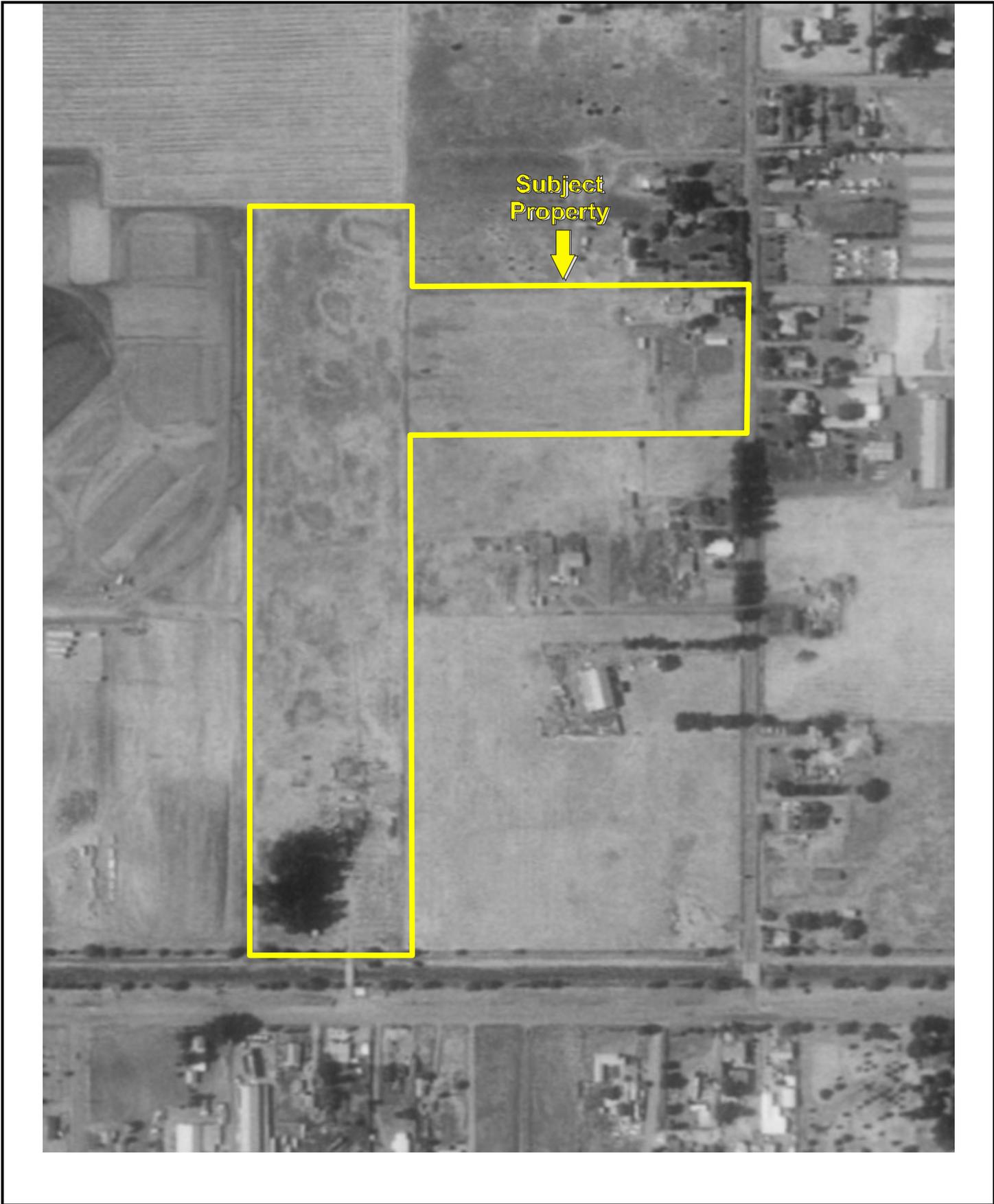
Date of Photograph: 1968



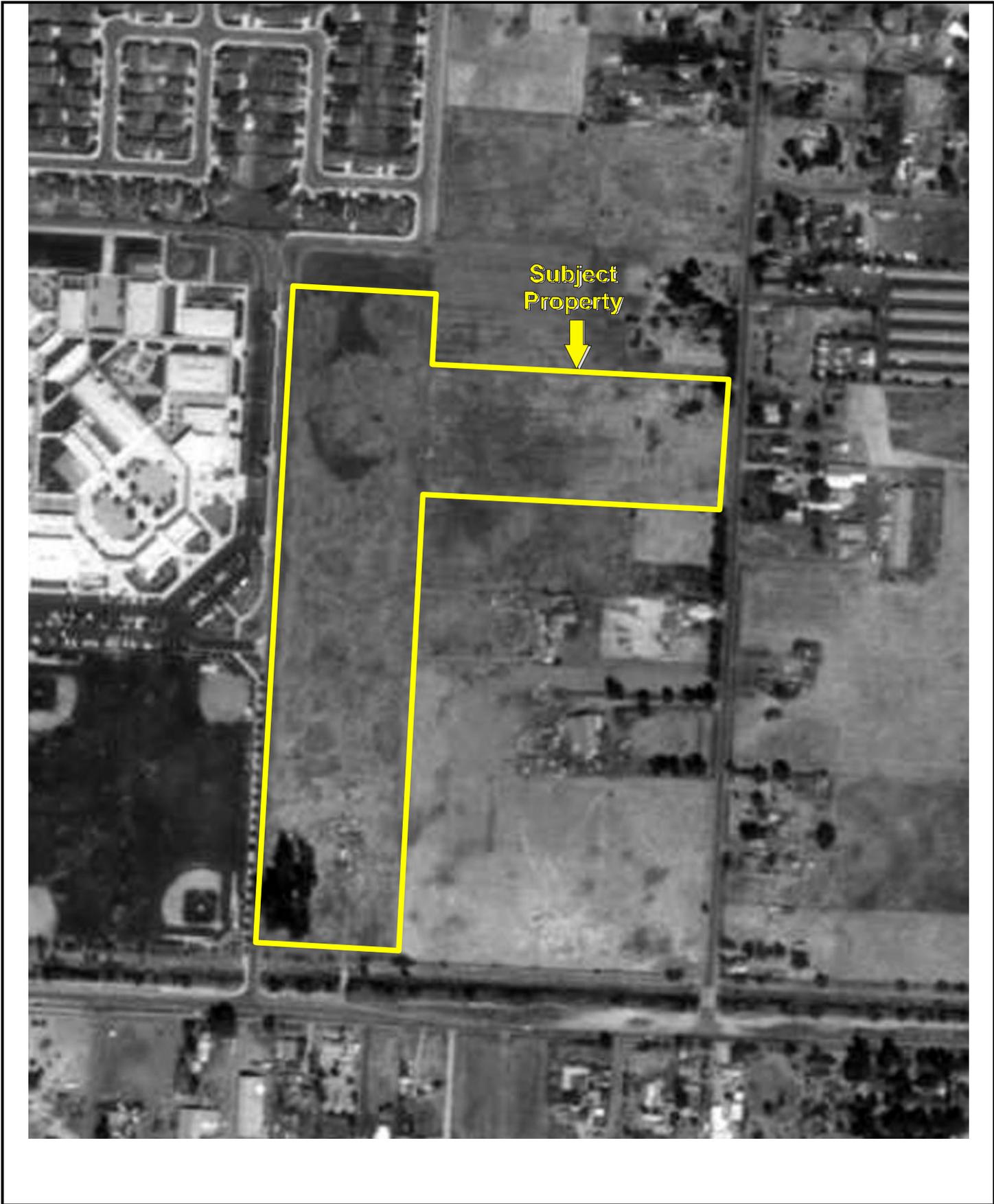
Date of Photograph: 1973



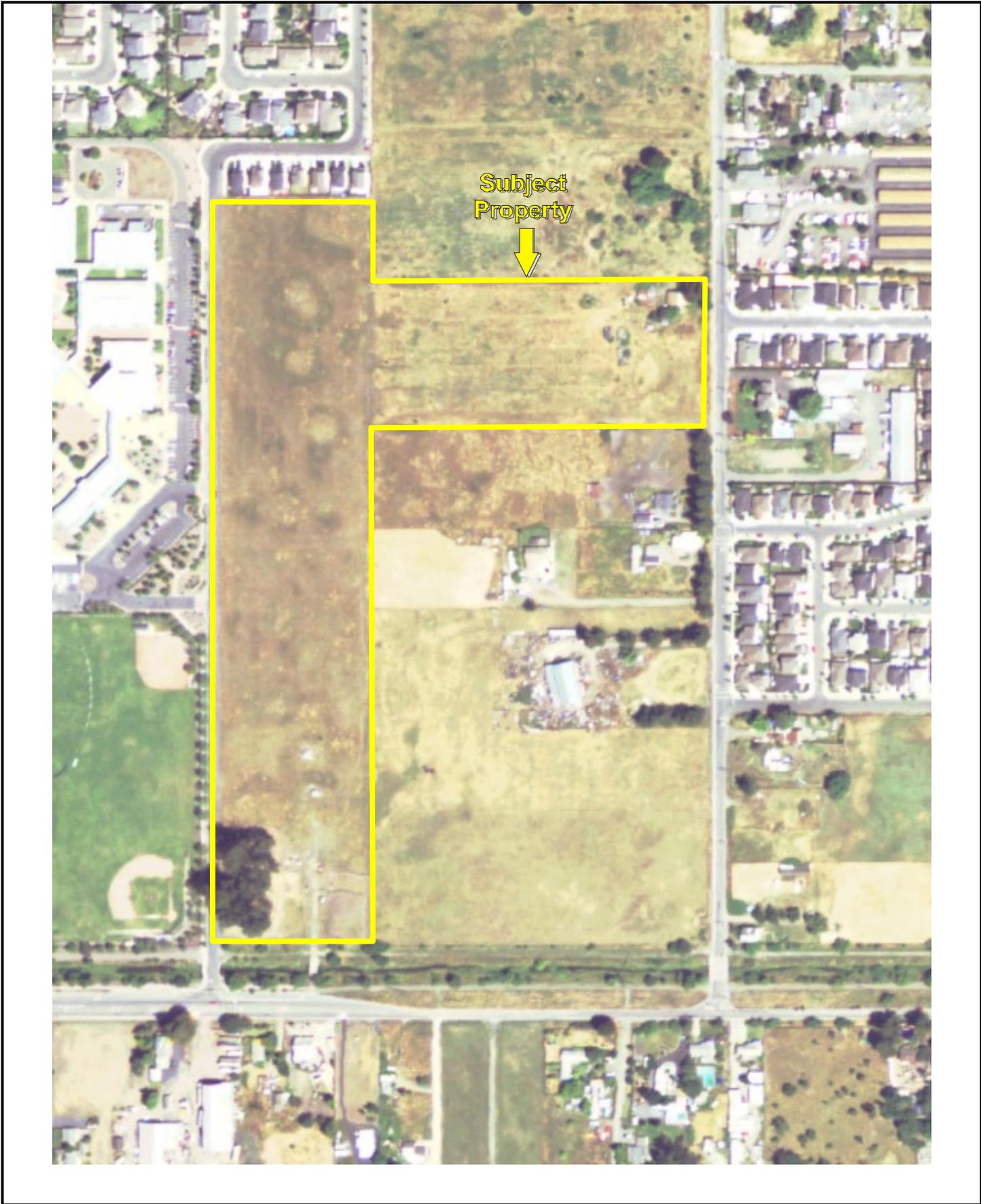
Date of Photograph: 1982



Date of Photograph: 1993



Date of Photograph: 1998



Date of Photograph: 2005



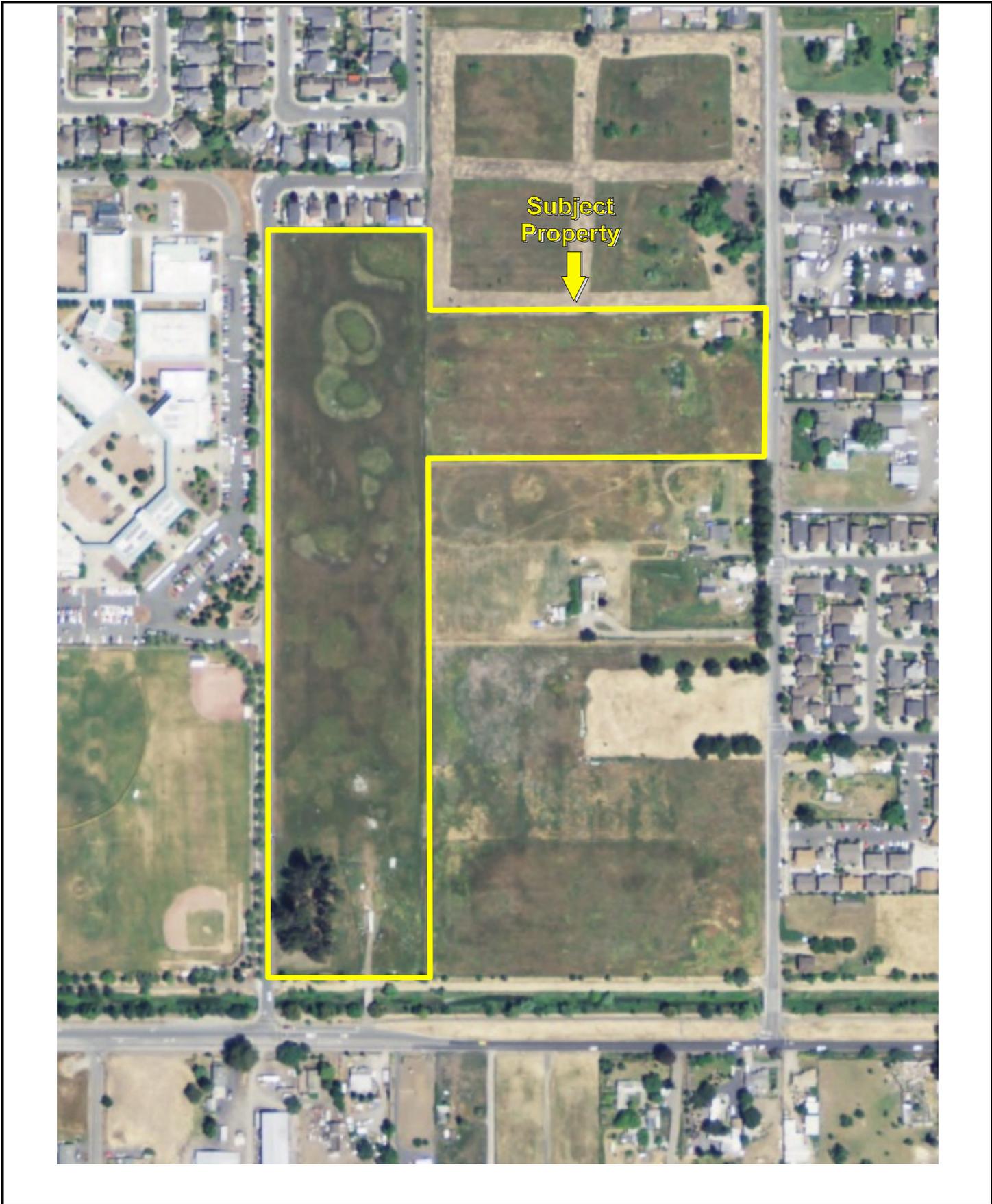
Date of Photograph: 2006



Date of Photograph: 2009



Date of Photograph: 2010



Date of Photograph: 2012



Bellevue Ranch & Southwest Estates

2903 Dutton Meadow & 533 Bellevue Avenue
Santa Rosa, CA 95407

Inquiry Number: 4341414.3

June 30, 2015

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

6/30/15

Site Name:

Bellevue Ranch & Southwest
2903 Dutton Meadow & 533
Santa Rosa, CA 95407

Client Name:

Partner Engineering and
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000



EDR Inquiry # 4341414.3

Contact: Lisa Armstrong

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Partner Engineering and Science, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Bellevue Ranch & Southwest Estates
Address: 2903 Dutton Meadow & 533 Bellevue Avenue
City, State, Zip: Santa Rosa, CA 95407
Cross Street:
P.O. # NA
Project: 15-142837.1
Certification # 18CA-459E-A9E7



Sanborn® Library search results
Certification # 18CA-459E-A9E7

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

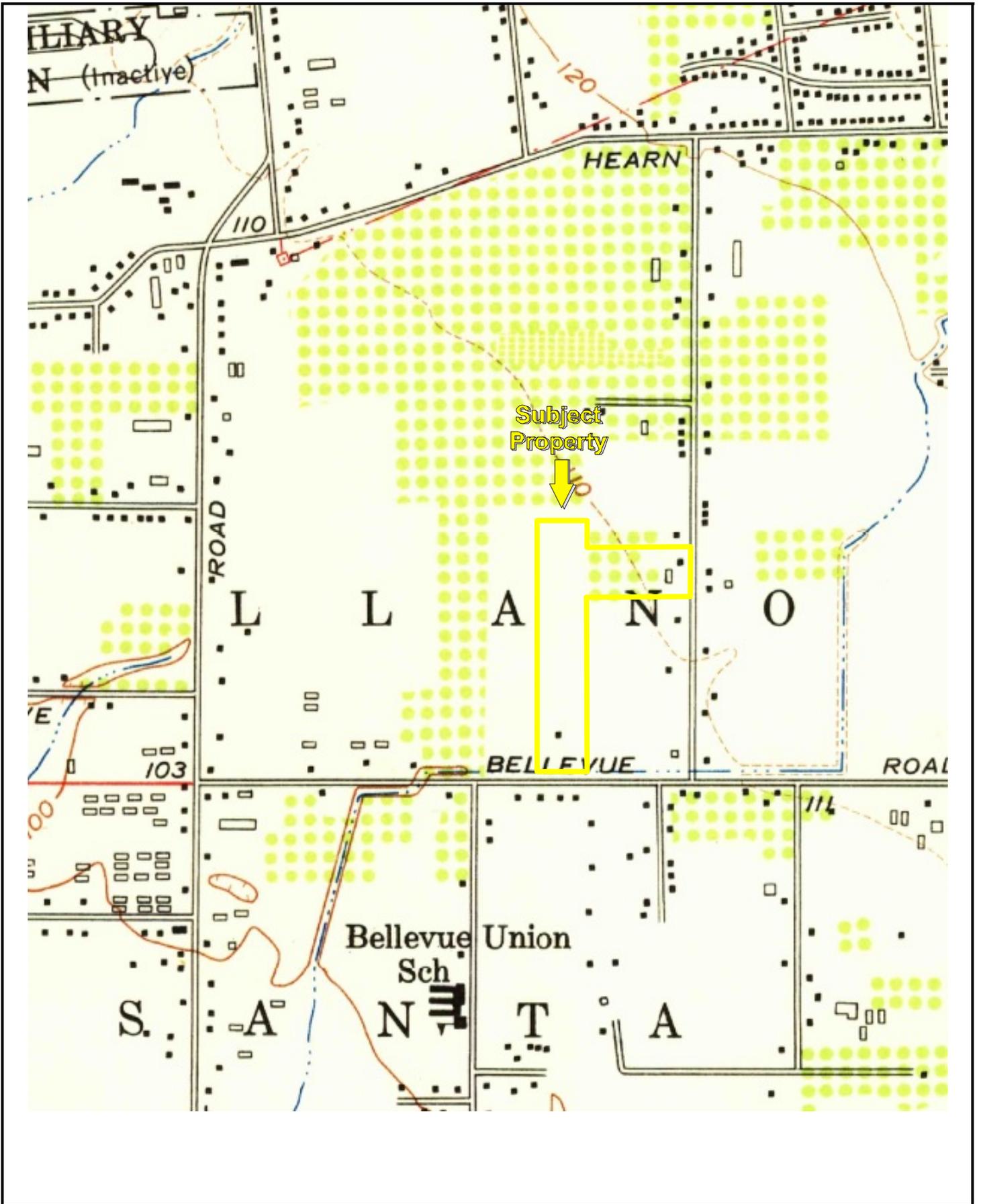
Partner Engineering and Science, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

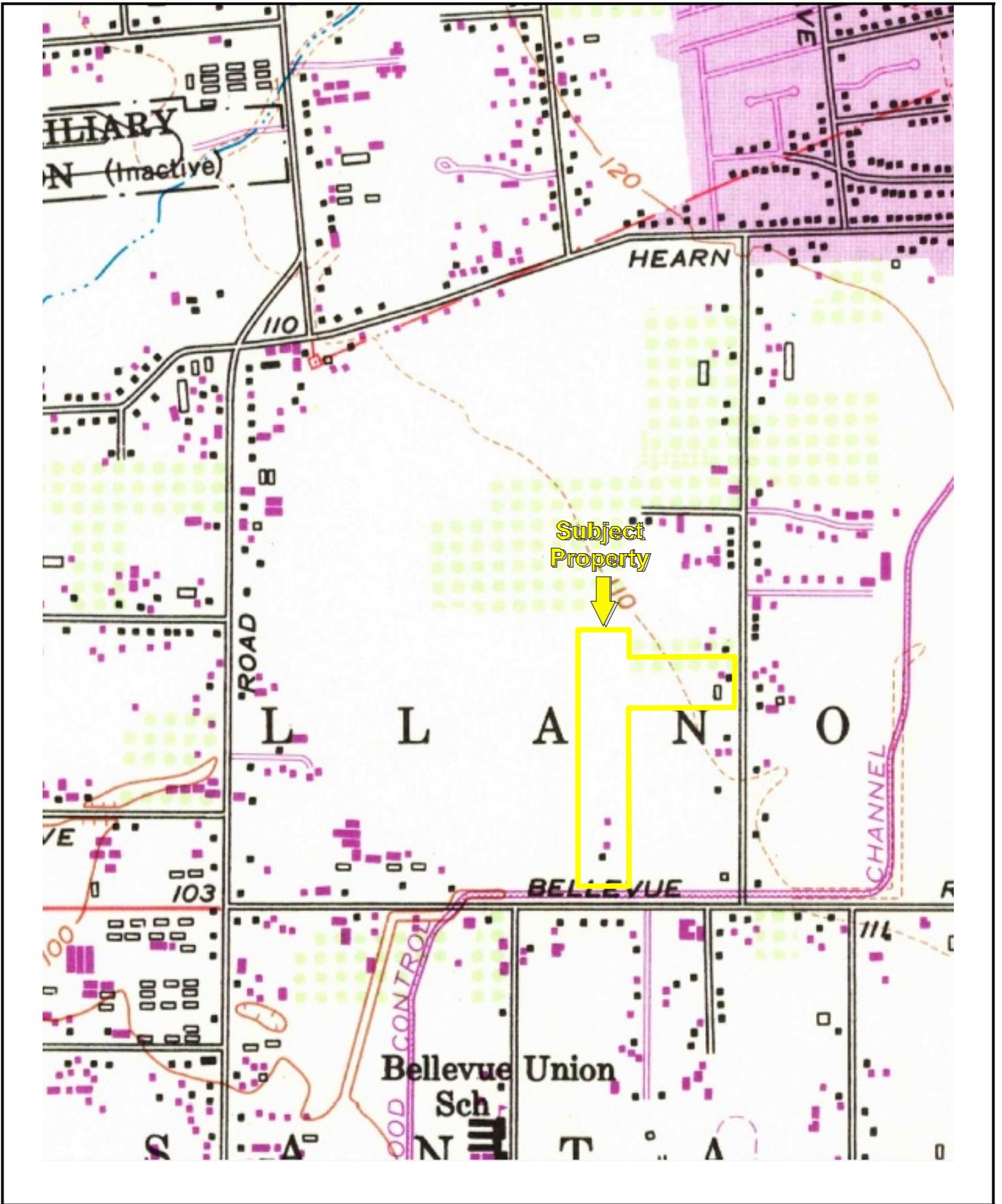
Copyright 2015 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



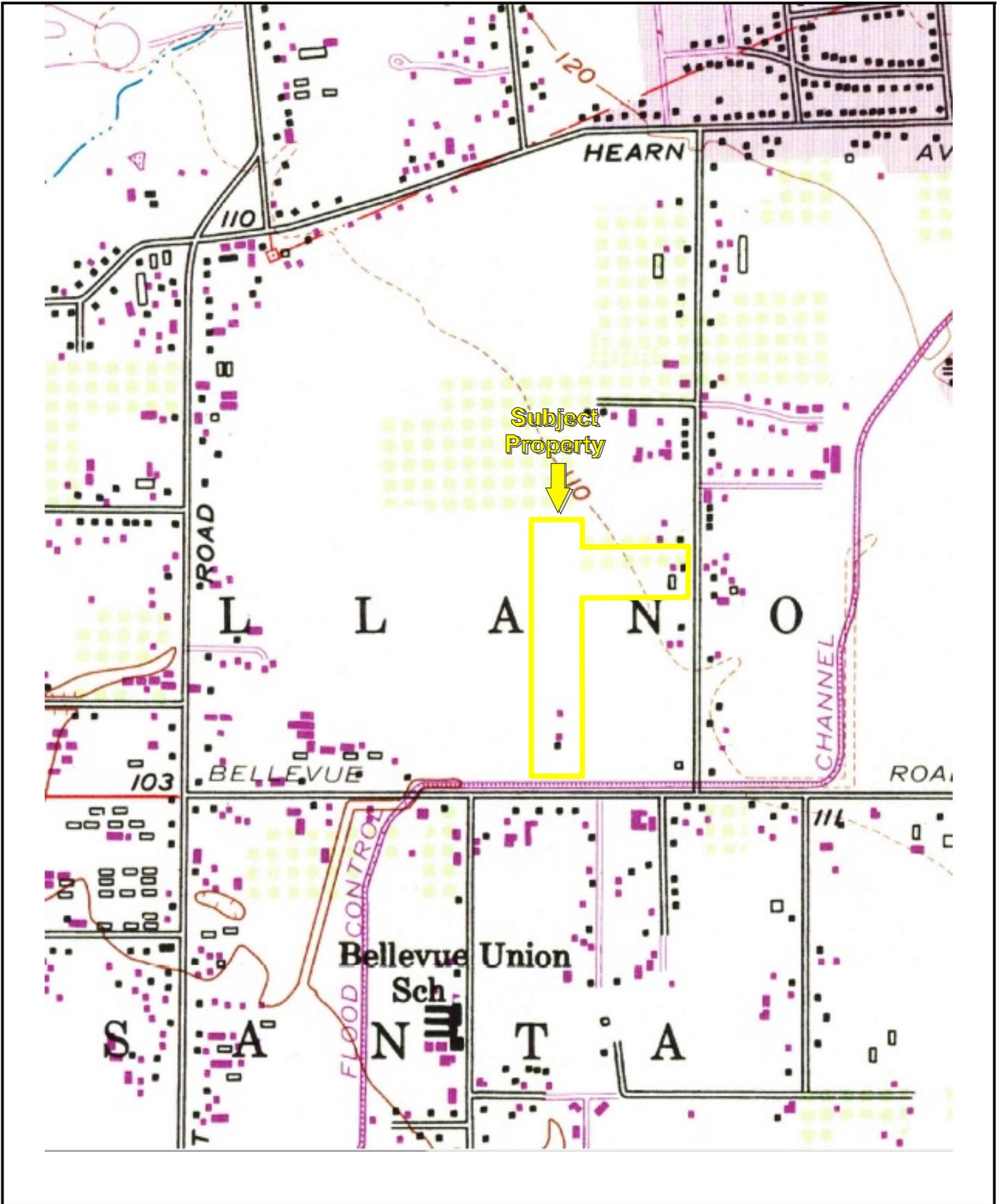
USGS 7.5 Minute Santa Rosa, CA Quadrangle

Created: 1955



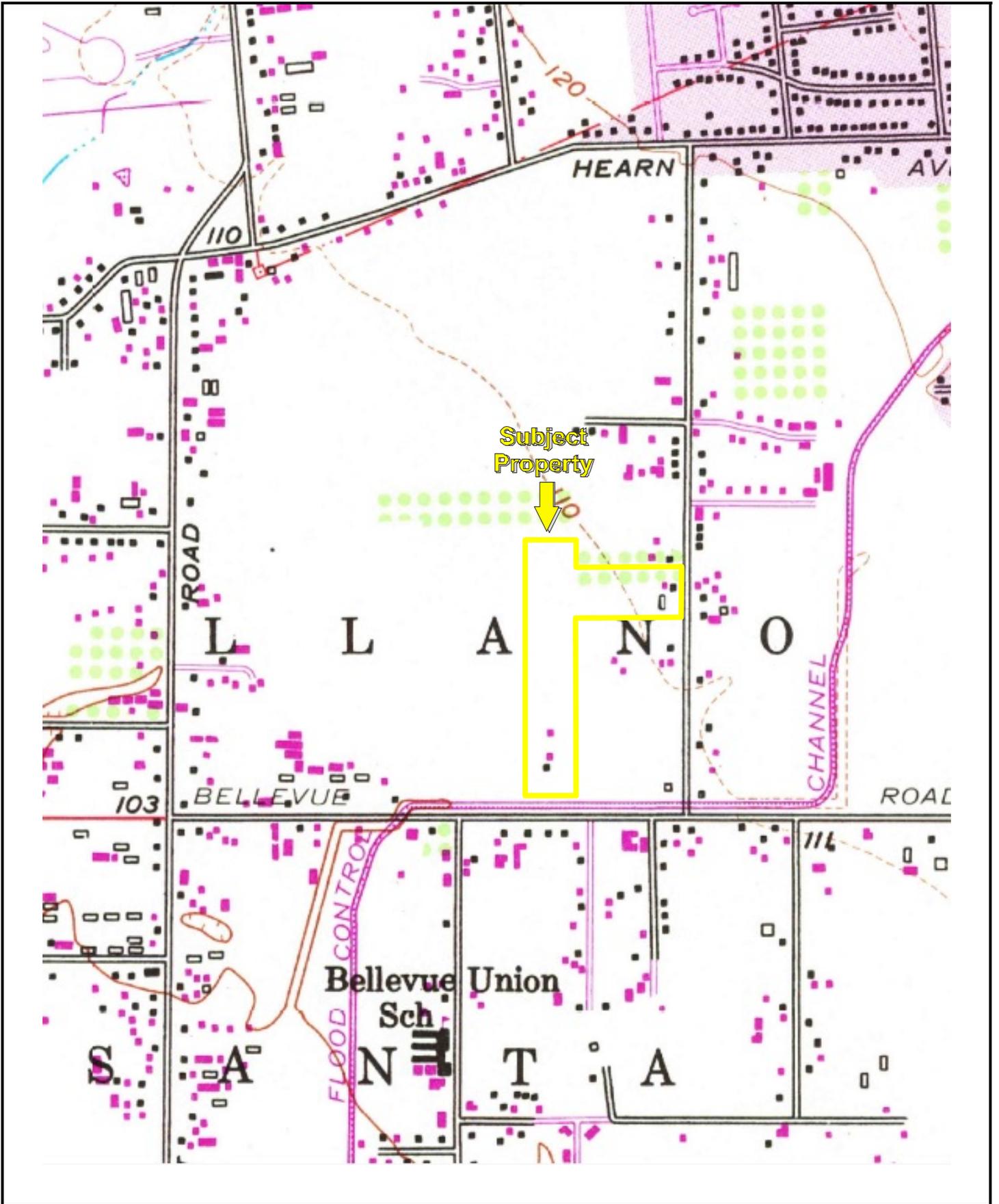
USGS 7.5 Minute *Santa Rosa, CA* Quadrangle

Created: 1969



USGS 7.5 Minute Santa Rosa, CA Quadrangle

Created: 1975



USGS 7.5 Minute Santa Rosa, CA Quadrangle

Created: 1980



COUNTY ASSESSOR'S PARCEL MAP

TAX RATE AREA
4-136
4-292

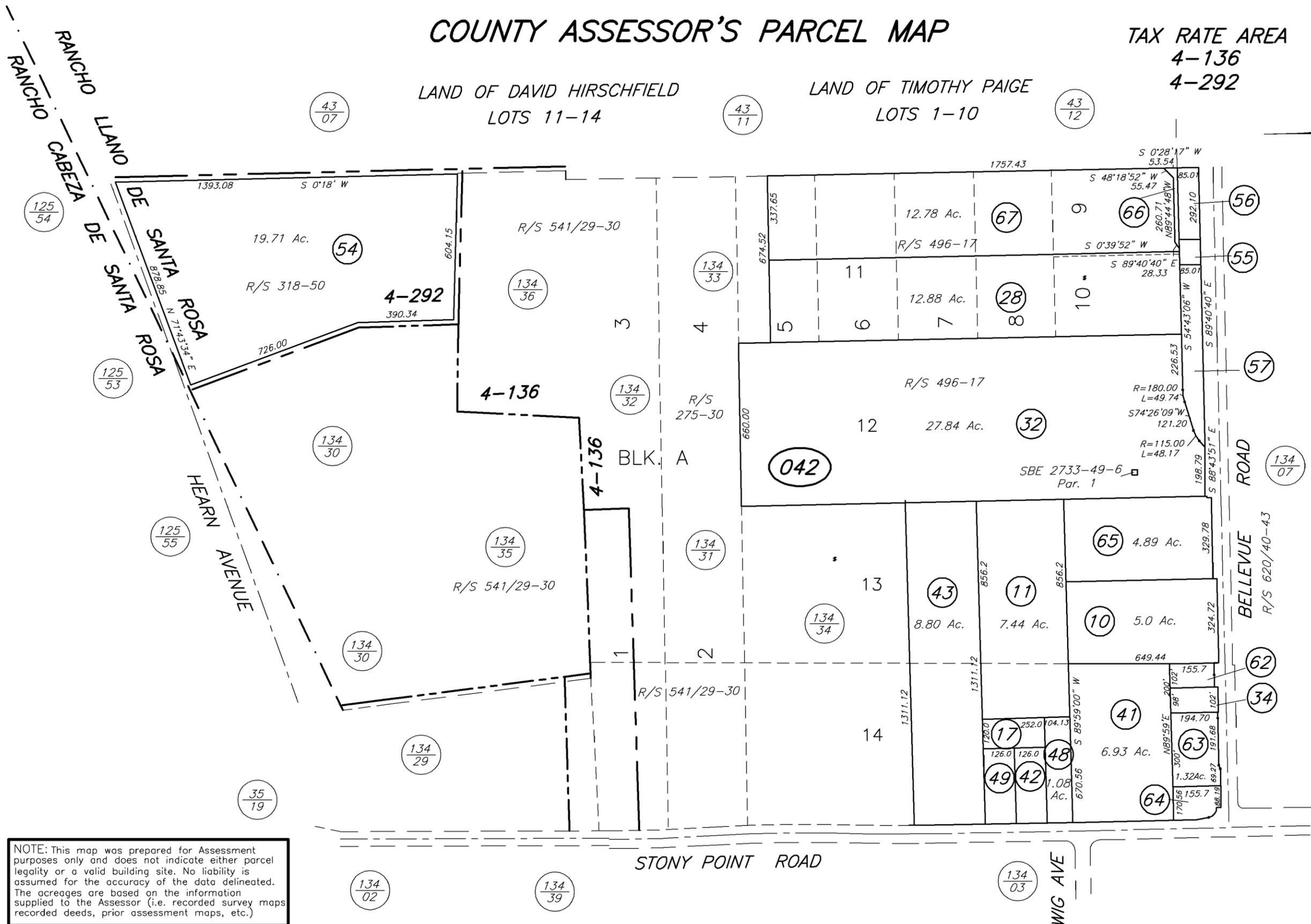
134-04

LAND OF DAVID HIRSCHFIELD
LOTS 11-14

LAND OF TIMOTHY PAIGE
LOTS 1-10



SCALE: 1"=400'



NOTE: This map was prepared for Assessment purposes only and does not indicate either parcel legality or a valid building site. No liability is assumed for the accuracy of the data delineated. The acreages are based on the information supplied to the Assessor (i.e. recorded survey maps recorded deeds, prior assessment maps, etc.)

NOTE: Assessor's parcels do not necessarily constitute legal lots. To verify legal parcel status, check with the appropriate city or county community development or planning division.

REVISED
08-01-02=61 - LSL
05-23-06=SBE -RL
02-23-07=62 - KB
08-07-07=64 - KB
02-14-08=65 - KB
10-04-11=67 - KB

Assessor's Map Bk. 134, Pg. 04
Sonoma County, Calif. (ACAD)

KEY 2-14-08=65 KB

APN

043-111-007-000

Situs Address

2903 DUTTON MEADOW UNINCORPORATED CA

APN Map[Open](#)**General Information**

APN: 043-111-007-000
Situs Address: 2903 DUTTON MEADOW UNINCORPORATED CA
Mailing Address: 1425 TREAT BLVD WALNUT CREEK CA 94597
Legal Description: LANDS OF TIMOTHY PAIGE BLK B LOT 4

Use Type: RESIDENTIAL
Tax Rate Area: 004-286

CLICK HEREFor More Info
on this Property!**Assessment**

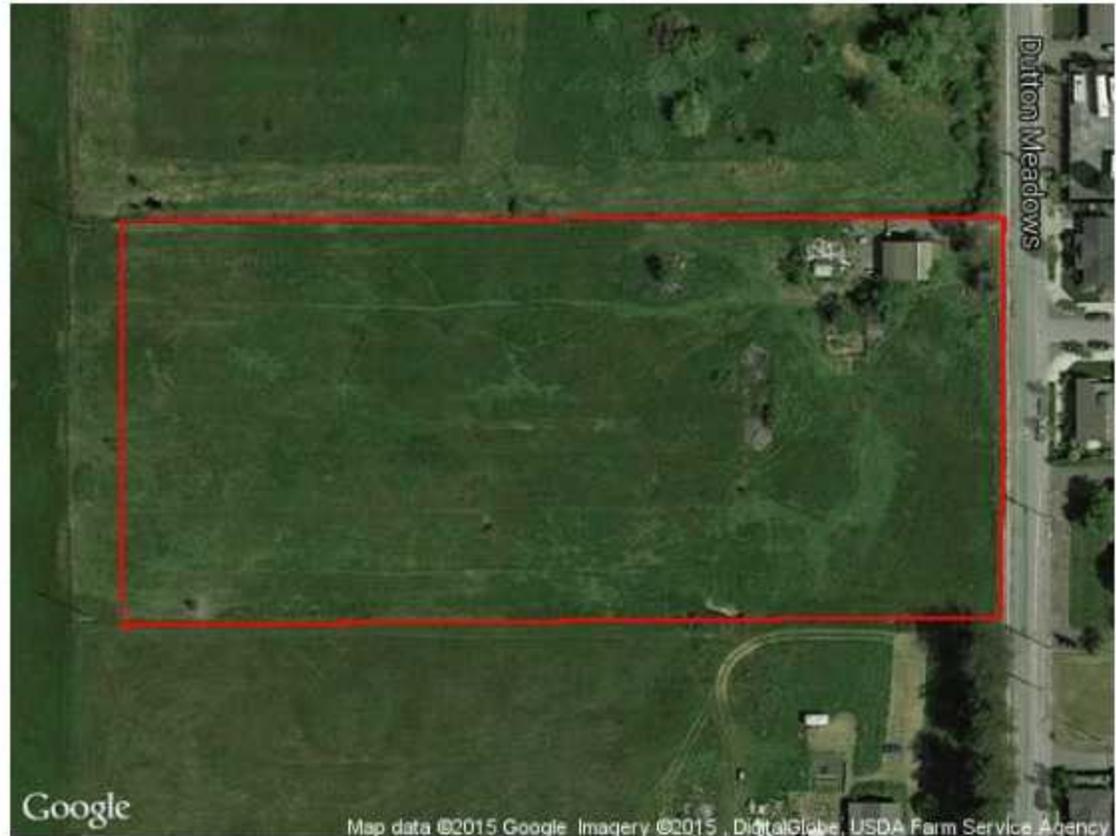
Year Assd: 2014
Land: \$321,000
Structure(s): \$8,500
Other:
Total Land and Improv: \$329,500
HO Exempt?: N
Exemption Amt:

Property Characteristics

Bedrooms: 2
Baths: 1
Bldg/Liv Area: 1,288
Year Built: 1910
Lot Acres: 5.750
Lot SqFt: 250,470

Recent Sale History

Document Image: [Add to Cart](#)
Recording Date: 03/21/2014
Document #: 2014R019010
Transfer Amount: \$355,000



**The information provided here is deemed reliable, but is not guaranteed.

APN

134-042-067-000

Situs Address

533 BELLEVUE AVE SANTA ROSA CA 95407-7713

APN Map[Open](#)**General Information**

APN: 134-042-067-000
Situs Address: 533 BELLEVUE AVE SANTA ROSA CA 95407-7713
Mailing Address: 684 ROBINSON WAY BENICIA CA 94510-3943
Legal Description: 2011 FM REM 134-042-025 OR 11-069011 SAN

Use Type: VACANT
Tax Rate Area: 004-136

CLICK HERE
 For More Info
 on this Property!

Assessment

Year Assd: 2014
Land: \$706,995
Structure(s):
Other:
Total Land and Improv: \$706,995
HO Exempt?: N
Exemption Amt:

Property Characteristics

Bedrooms:
Baths:
Bldg/Liv Area:
Year Built:
Lot Acres: 12.780
Lot SqFt: 556,696

Recent Sale History

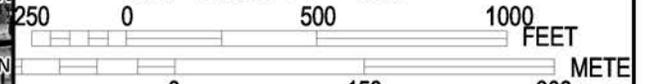
Document Image: [Add to Cart](#)
Recording Date: 12/28/2011
Document #: 2011R115122
Transfer Amount: \$690,000



**The information provided here is deemed reliable, but is not guaranteed.



MAP SCALE 1" = 500'



NFIP

PANEL 0736F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
SONOMA COUNTY,
CALIFORNIA
AND INCORPORATED AREAS

PANEL 736 OF 1150
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SONOMA COUNTY	060375	0736	F
SANTA ROSA, CITY OF	060381	0736	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
06097C0736F
MAP REVISED
OCTOBER 16, 2012

Federal Emergency Management Agency

JOINS PANEL 0738

00m E

524 0000

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

JOINS PANEL 0736

TA ROSA
1



MAP SCALE 1" = 500'



NFIP

PANEL 0738F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
SONOMA COUNTY,
CALIFORNIA
AND INCORPORATED AREAS

PANEL 738 OF 1150
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SONOMA COUNTY	060375	0738	F
SANTA ROSA, CITY OF	060381	0738	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
06097C0738F
MAP REVISED
OCTOBER 16, 2012

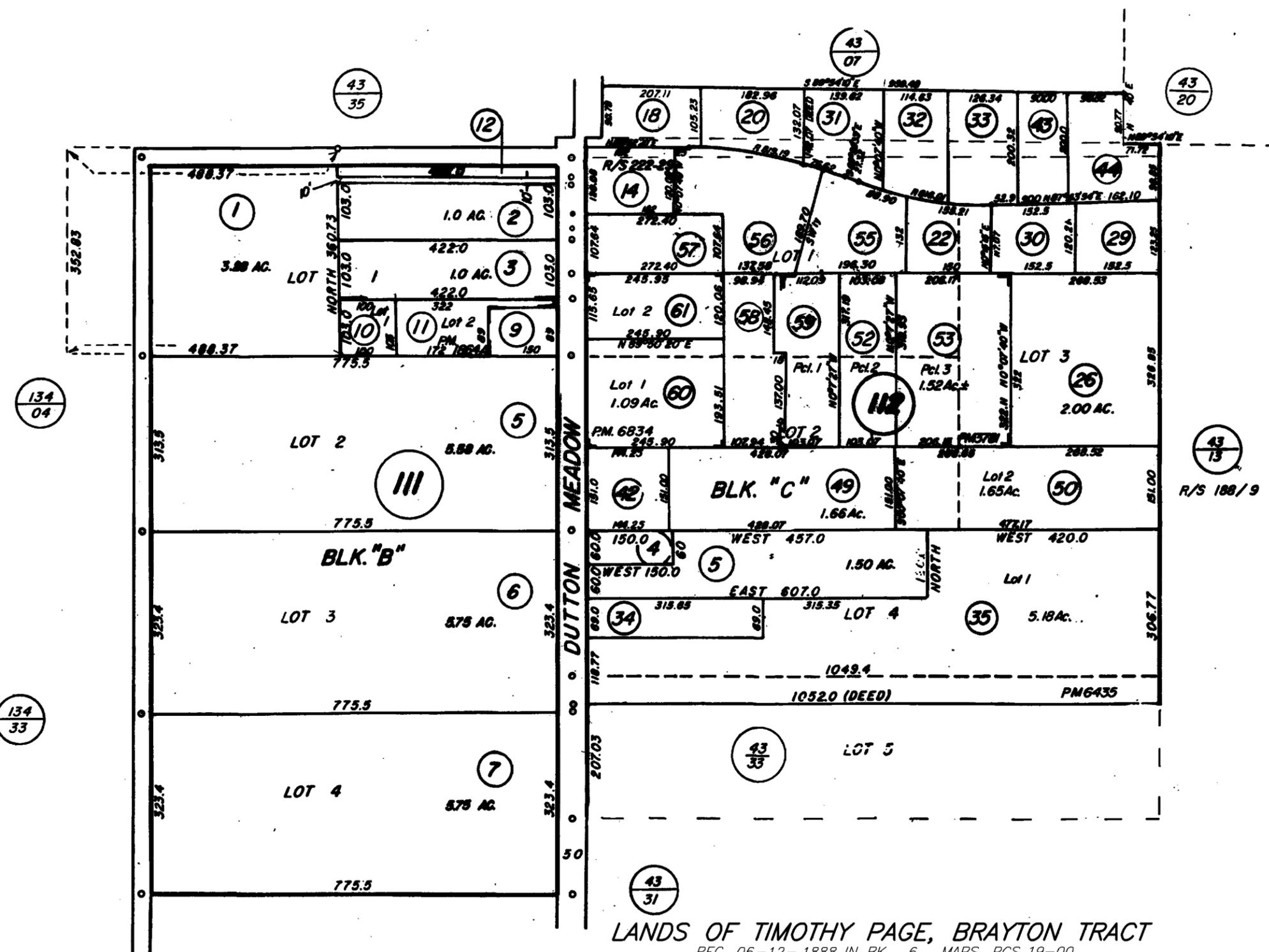
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

COUNTY ASSESSOR'S PARCEL MAP

TAX RATE AREA
4-286

43-11



SCALE: 1"=100'

NOTE: This map was prepared for Assessment purposes only and does not indicate either parcel legality or a valid building site. No liability is assumed for the accuracy of the data delineated. The acreages are based on the information supplied to the Assessor (i.e. recorded survey maps, recorded deeds, prior assessment maps, etc.)

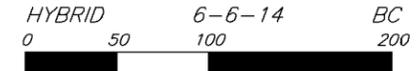
NOTE: Assessor's parcels do not necessarily constitute legal lots. To verify legal parcel status, check with the appropriate city or county community development or planning division.

LANDS OF TIMOTHY PAGE, BRAYTON TRACT

- REC. 06-12-1888 IN BK. 6, MAPS, PGS. 19-00
Parcel Map No. 1864A
- REC. 09-22-1970 IN BK. 148, MAPS, PGS. 35-00
Parcel Map No. 3781
- REC. 09-05-1973 IN BK. 195, MAPS, PGS. 38-00
Parcel Map No. 6435
- REC. 05-26-1978 IN BK. 270, MAPS, PGS. 24-00
Parcel Map No. 6834
- REC. 03-28-1980 IN BK. 302, MAPS, PGS. 45-46

REVISED
05-30-89=12(111)-CN
03-06-98=St.Name Chg-RM
09-04-03=07(112)-LF
08-19-05=Adj.Pg.-RL

Assessor's Map Bk. 043, Pg. 11
Sonoma County, Calif. (ACAD)



APPENDIX C: REGULATORY DATABASE REPORT

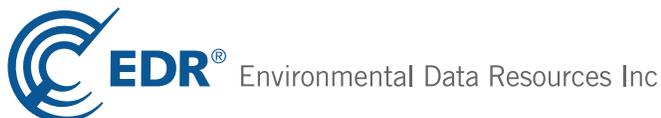
Bellevue Ranch & Southwest Estates

2903 Dutton Meadow & 533 Bellevue Avenue
Santa Rosa, CA 95407

Inquiry Number: 4341414.2s

June 30, 2015

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	103
Government Records Searched/Data Currency Tracking	GR-1
<u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-11
Physical Setting Source Map Findings	A-13
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2015 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2903 DUTTON MEADOW & 533 BELLEVUE AVENUE
SANTA ROSA, CA 95407

COORDINATES

Latitude (North): 38.4059000 - 38° 24' 21.24"
Longitude (West): 122.7322000 - 122° 43' 55.92"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 523382.6
UTM Y (Meters): 4250679.5
Elevation: 111 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38122-D6 SANTA ROSA, CA
Most Recent Revision: 1999

West Map: 38122-D7 SEBASTOPOL, CA
Most Recent Revision: 1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120523
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 2903 DUTTON MEADOW & 533 BELLEVUE AVENUE
 SANTA ROSA, CA 95407

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	GEORGE H. HABER	590 BELLEVUE AVE	HIST UST	Lower	162, 0.031, SSW
A2	GEORGE H. HABER	590 BELLEVUE AVE	CA FID UST, SWEEPS UST	Lower	162, 0.031, SSW
3	A-1 MINI STORAGE	2868 DUTTON AVENUE,	SLIC	Higher	354, 0.067, ENE
4	C FLASHMOBILE QUALIT	1385 CASS RD	EDR US Hist Auto Stat	Higher	772, 0.146, ENE
5	UNITED GROCERS	DUTTON AVENUE 3000	LUST	Higher	910, 0.172, SE
B6	LOWELL'S AUTO WORKES	1485 MAUREEN RD	CUPA Listings, HAZNET	Higher	1008, 0.191, NE
B7	LOWELLS AUTO WORKS	1485 MAUREEN DR	EDR US Hist Auto Stat	Higher	1008, 0.191, NE
B8		1450 MAUREEN DR	EDR US Hist Auto Stat	Higher	1020, 0.193, NE
C9	BELLEVUE SCHOOL DIST	3223 PRIMROSE AVE	LUST, CA FID UST, SWEEPS UST	Lower	1394, 0.264, SSW
C10	BELLEVUE SCHOOL MODE	3223 PRIMROSE AVE	NPDES, HIST CORTESE, LUST, CUPA Listings	Lower	1394, 0.264, SSW
11	MARKET WHOLESALE GRO	3000 DUTTON AVE	HIST CORTESE, LUST, HIST UST	Higher	1717, 0.325, East
12	MEADOWVIEW ELEMENTAR	2641 DUTTON MEADOW	SCH, ENVIROSTOR	Higher	2428, 0.460, NNE
13	FREEMAN TOYOTA	2875 CORBY	HIST CORTESE, LUST, Notify 65	Higher	3130, 0.593, ENE
14	REDWOOD CHEMICAL	2450 STONEY POINT RO	ENVIROSTOR	Higher	3253, 0.616, NW
15	PROPOSED DUTTON AVEN	3255/3261 DUTTON AVE	SCH, ENVIROSTOR	Lower	3391, 0.642, SE
16	PRESTIGE LINCOLN MER	2979 CORBY AVENUE	HIST CORTESE, LUST, Notify 65	Higher	3573, 0.677, East
17	GREG'S AUTOMOTIVE	DUTTON	Notify 65	Higher	3988, 0.755, NE
18	FOUCHE AUTO WRECKERS	2290 DUTTON AVENUE	SLIC, ENVIROSTOR	Higher	4007, 0.759, NNE
19	OPTICAL COATING LABO	STORMDRAIN @ NORTHPO	Notify 65	Higher	4027, 0.763, NW
20	WILKINSON STEEL, INC	300 W ROBLES AVENUE	CA FID UST, CUPA Listings, ENVIROSTOR	Lower	4274, 0.809, SE
21	GOLDEN TECHNOLOGY SI	3017 AND 3019 SANTA	HIST Cal-Sites, DEED, RESPONSE, ENVIROSTOR	Higher	4605, 0.872, East
22	AM/PM MINI MART	440 HEARN AVENUE	HIST CORTESE, LUST, SLIC, Notify 65	Higher	4683, 0.887, NE
23	HEPPER, TOM	2775 SANTA ROSA AVEN	HIST CORTESE, LUST, Notify 65, ENF, HAZNET	Higher	4700, 0.890, ENE
24	ROSELAND UNIVERSITY	1777 WEST AVENUE	SCH, ENVIROSTOR	Higher	4766, 0.903, NNE
25	BURBANK AVENUE ELEME	1683 BURBANK AVENUE	SCH, NPDES, ENVIROSTOR	Higher	5060, 0.958, North
26	DAN & KATHY GREGORY	2295 WEST HEARN	Notify 65	Lower	5069, 0.960, WNW
27		1101 YUBA DRIVE	Notify 65	Lower	5206, 0.986, West
28	ANGIE KENDALL	2611 GIFFEN AVENUE	Notify 65	Higher	5251, 0.995, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

EXECUTIVE SUMMARY

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

WMUDS/SWAT..... Waste Management Unit Database

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

SCH..... School Property Evaluation Program

Toxic Pits..... Toxic Pits Cleanup Act Sites

CDL..... Clandestine Drug Labs

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LIENS..... Environmental Liens Listing

DEED..... Deed Restriction Listing

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
US 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
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
CA BOND EXP. PLAN.....	Bond Expenditure Plan
NPDES.....	NPDES Permits Listing
UIC.....	UIC Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
WDS.....	Waste Discharge System
Financial Assurance.....	Financial Assurance Information Listing
PROC.....	Certified Processors Database
HWT.....	Registered Hazardous Waste Transporter Database
HWP.....	EnviroStor Permitted Facilities Listing
MWMP.....	Medical Waste Management Program Listing
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database

EXECUTIVE SUMMARY

COAL ASH DOE..... Steam-Electric Plant Operation Data
2020 COR ACTION..... 2020 Corrective Action Program List
PRP..... Potentially Responsible Parties

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank
RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

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.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent NPL

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 05/04/2015 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GOLDEN TECHNOLOGY SI</i> Status: Active Facility Id: 49390001	<i>3017 AND 3019 SANTA</i>	<i>E 1/2 - 1 (0.872 mi.)</i>	<i>21</i>	<i>42</i>

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

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 05/04/2015 has revealed that there are 8 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MEADOWVIEW ELEMENTAR Facility Id: 60001076 Status: Active	2641 DUTTON MEADOW	NNE 1/4 - 1/2 (0.460 mi.)	12	21
REDWOOD CHEMICAL Facility Id: 49280008 Status: Refer: Local Agency	2450 STONEY POINT RO	NW 1/2 - 1 (0.616 mi.)	14	28
FOUCHE AUTO WRECKERS Facility Id: 49500004 Status: Refer: RWQCB	2290 DUTTON AVENUE	NNE 1/2 - 1 (0.759 mi.)	18	38
GOLDEN TECHNOLOGY SI Facility Id: 49390001 Status: Active	3017 AND 3019 SANTA	E 1/2 - 1 (0.872 mi.)	21	42
ROSELAND UNIVERSITY Facility Id: 60001798 Status: No Further Action	1777 WEST AVENUE	NNE 1/2 - 1 (0.903 mi.)	24	90
BURBANK AVENUE ELEME Facility Id: 70000113 Status: Active	1683 BURBANK AVENUE	N 1/2 - 1 (0.958 mi.)	25	93
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PROPOSED DUTTON AVEN Facility Id: 60000661 Status: No Further Action	3255/3261 DUTTON AVE	SE 1/2 - 1 (0.642 mi.)	15	29
WILKINSON STEEL, INC Facility Id: 49330004 Status: No Further Action	300 W ROBLES AVENUE	SE 1/2 - 1 (0.809 mi.)	20	40

State and tribal leaking storage tank lists

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 03/13/2015 has revealed that there are 4

EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNITED GROCERS Facility Id: 1TSR344	DUTTON AVENUE 3000	SE 1/8 - 1/4 (0.172 mi.)	5	10
MARKET WHOLESALE GRO Global Id: T0609700762 Status: Completed - Case Closed	3000 DUTTON AVE	E 1/4 - 1/2 (0.325 mi.)	11	19
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BELLEVUE SCHOOL DIST Global Id: T0609700426 Global ID: T0609700426 Status: Completed - Case Closed	3223 PRIMROSE AVE	SSW 1/4 - 1/2 (0.264 mi.)	C9	13
BELLEVUE SCHOOL MODE Facility Id: 1TSO603	3223 PRIMROSE AVE	SSW 1/4 - 1/2 (0.264 mi.)	C10	15

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 03/13/2015 has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
A-1 MINI STORAGE Global Id: T0609793348 Facility Status: Completed - Case Closed Facility Id: 1NSR290	2868 DUTTON AVENUE,	ENE 0 - 1/8 (0.067 mi.)	3	9

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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 is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOLDEN TECHNOLOGY SI	3017 AND 3019 SANTA	E 1/2 - 1 (0.872 mi.)	21	42

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

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 is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GEORGE H. HABER Facility Id: 49003801 Status: A	590 BELLEVUE AVE	SSW 0 - 1/8 (0.031 mi.)	A2	8

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 is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GEORGE H. HABER Facility Id: 00000053084	590 BELLEVUE AVE	SSW 0 - 1/8 (0.031 mi.)	A1	8

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 is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GEORGE H. HABER Comp Number: 53084 Status: A Tank Status: A	590 BELLEVUE AVE	SSW 0 - 1/8 (0.031 mi.)	A2	8

Other Ascertainable Records

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 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MARKET WHOLESALE GRO Reg Id: 1TSR344	3000 DUTTON AVE	E 1/4 - 1/2 (0.325 mi.)	11	19

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BELLEVUE SCHOOL MODE Reg Id: 1TSO603	3223 PRIMROSE AVE	SSW 1/4 - 1/2 (0.264 mi.)	C10	15

EXECUTIVE SUMMARY

CUPA Listings: 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.

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOWELL'S AUTO WORKES internal Field: INACTIVE Permit: 896	1485 MAUREEN RD	NE 1/8 - 1/4 (0.191 mi.)	B6	10

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 9 Notify 65 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FREEMAN TOYOTA	2875 CORBY	ENE 1/2 - 1 (0.593 mi.)	13	26
PRESTIGE LINCOLN MER	2979 CORBY AVENUE	E 1/2 - 1 (0.677 mi.)	16	32
GREG'S AUTOMOTIVE	DUTTON	NE 1/2 - 1 (0.755 mi.)	17	38
OPTICAL COATING LABO	STORMDRAIN @ NORTHPO	NW 1/2 - 1 (0.763 mi.)	19	40
AM/PM MINI MART	440 HEARN AVENUE	NE 1/2 - 1 (0.887 mi.)	22	74
HEPPER, TOM	2775 SANTA ROSA AVEN	ENE 1/2 - 1 (0.890 mi.)	23	84
ANGIE KENDALL	2611 GIFFEN AVENUE	NW 1/2 - 1 (0.995 mi.)	28	102
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DAN & KATHY GREGORY	2295 WEST HEARN	WNW 1/2 - 1 (0.960 mi.)	26	102
Not reported	1101 YUBA DRIVE	W 1/2 - 1 (0.986 mi.)	27	102

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 3 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

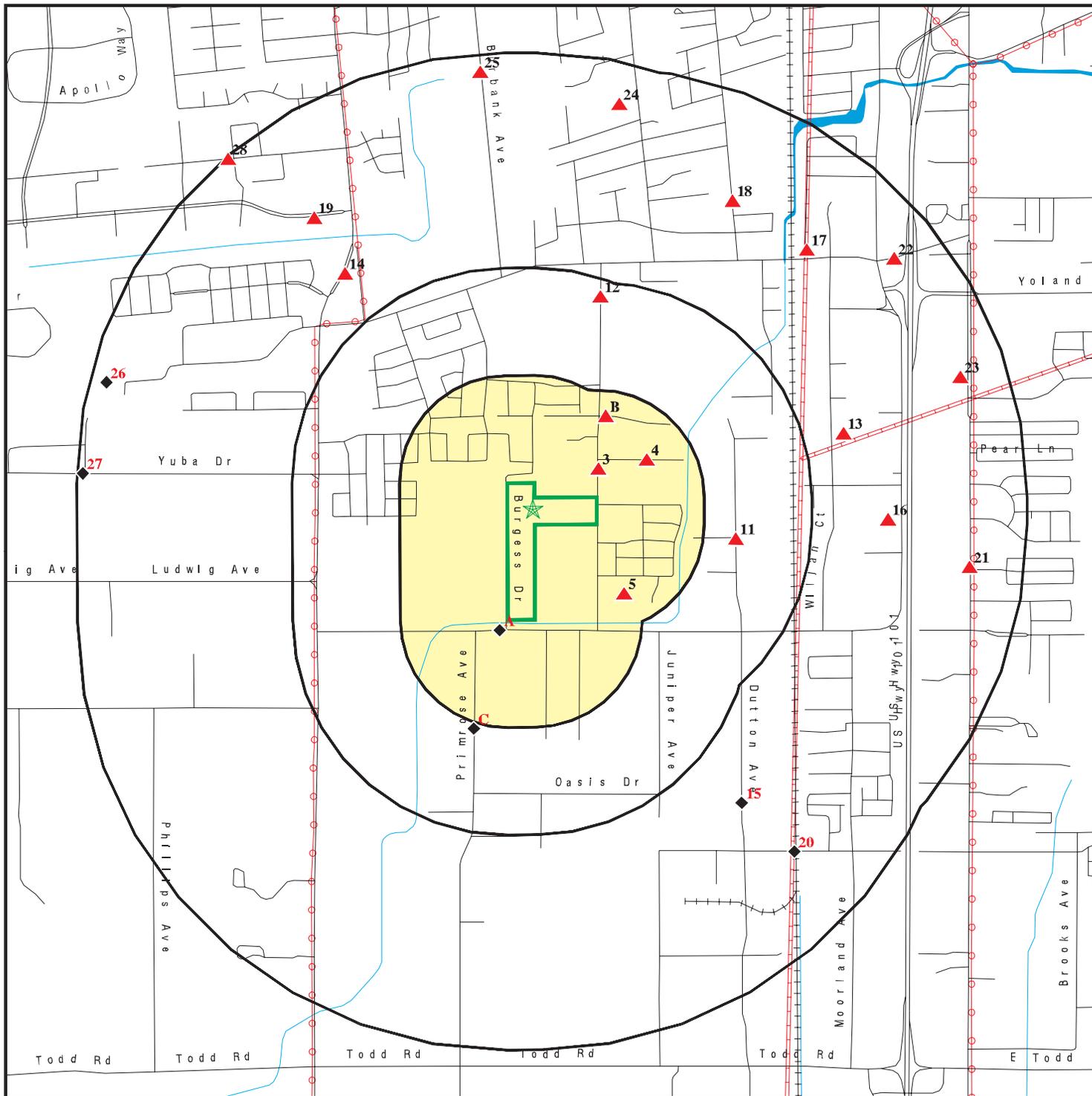
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
C FLASHMOBILE QUALIT	1385 CASS RD	ENE 1/8 - 1/4 (0.146 mi.)	4	10
LOWELLS AUTO WORKS	1485 MAUREEN DR	NE 1/8 - 1/4 (0.191 mi.)	B7	11
Not reported	1450 MAUREEN DR	NE 1/8 - 1/4 (0.193 mi.)	B8	12

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
AHL PROPERTY	LUST
SANTA ROSA COMMUNITY DEVELOPMENT S	SLIC
MEADOW VIEW EXPANSION, HEARN AVE.	SCH, ENVIROSTOR

OVERVIEW MAP - 4341414.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

Areas of Concern

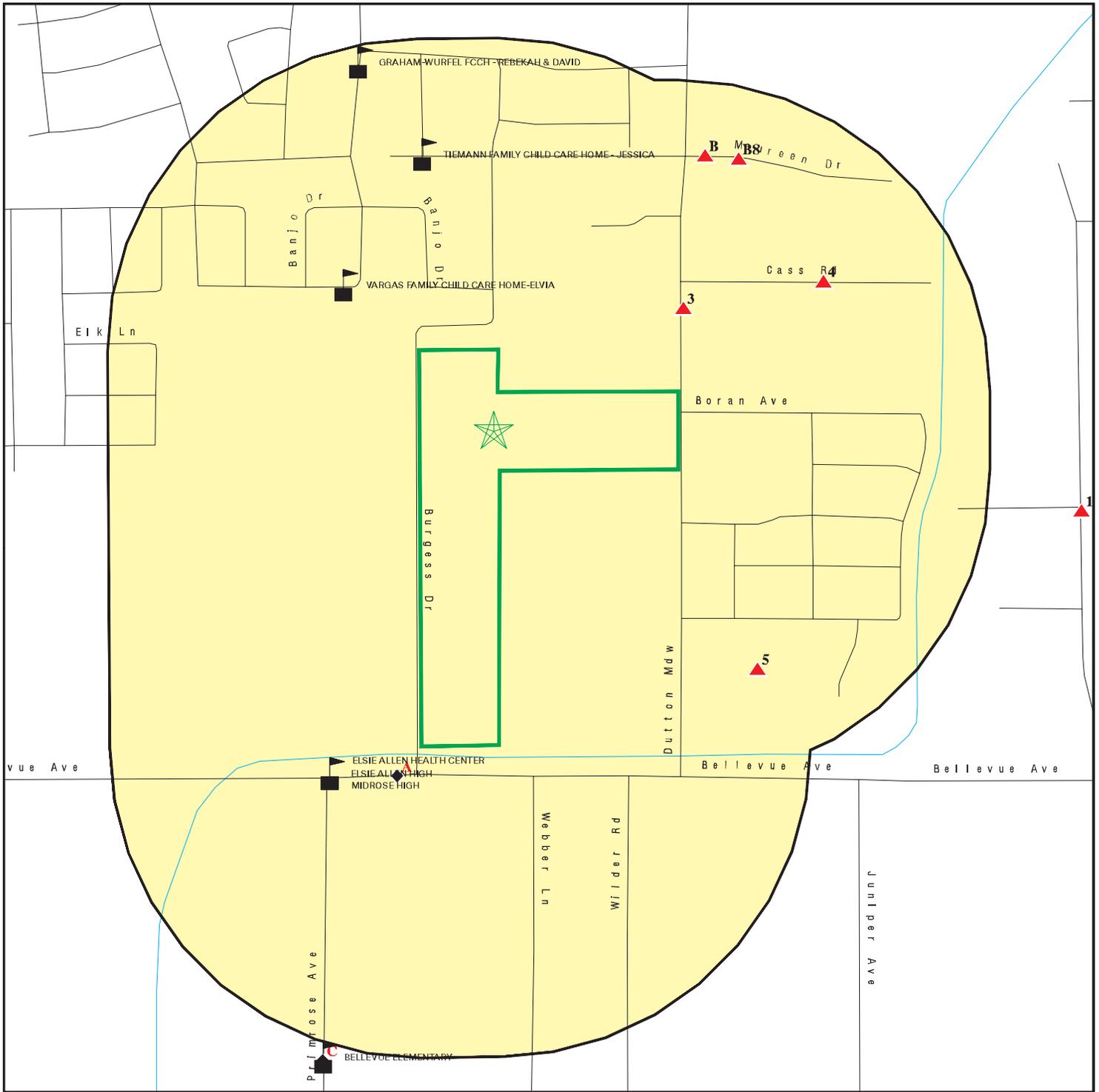


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bellevue Ranch & Southwest Estates
 ADDRESS: 2903 Dutton Meadow & 533 Bellevue Avenue
 Santa Rosa CA 95407
 LAT/LONG: 38.4059 / 122.7322

CLIENT: Partner Engineering and Science, Inc.
 CONTACT: Lisa Armstrong
 INQUIRY #: 4341414.2s
 DATE: June 30, 2015 3:15 pm

DETAIL MAP - 4341414.2S



Target Property

Sites at elevations higher than or equal to the target property

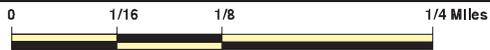
Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

100-year flood zone

500-year flood zone

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bellevue Ranch & Southwest Estates
 ADDRESS: 2903 Dutton Meadow & 533 Bellevue Avenue
 Santa Rosa CA 95407
 LAT/LONG: 38.4059 / 122.7322

CLIENT: Partner Engineering and Science, Inc.
 CONTACT: Lisa Armstrong
 INQUIRY #: 4341414.2s
 DATE: June 30, 2015 3:20 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	1	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	1	7	NR	8
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	1	3	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		1	0	0	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		1	0	NR	NR	NR	1
SWEEPS UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	2	NR	NR	2
CUPA Listings	0.250		0	1	NR	NR	NR	1
Notify 65	1.000		0	0	0	9	NR	9
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	3	NR	NR	NR	3
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	4	5	6	18	0	33

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A1
SSW
< 1/8
0.031 mi.
162 ft.
GEORGE H. HABER
590 BELLEVUE AVE
SANTA ROSA, CA 95407
Site 1 of 2 in cluster A

HIST UST **U001609538**
N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000053084
Facility Type: Other
Other Type: FARM
Contact Name: Not reported
Telephone: 7075460561
Owner Name: GEORGE H. HABER
Owner Address: 590 BELLEVUE AVE.
Owner City,St,Zip: SANTA ROSA, CA 95407
Total Tanks: 0000

Actual:
104 ft.

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 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: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

A2
SSW
< 1/8
0.031 mi.
162 ft.
GEORGE H. HABER
590 BELLEVUE AVE
SANTA ROSA, CA 95407
Site 2 of 2 in cluster A

CA FID UST **S101627354**
SWEEPS UST **N/A**

Relative:
Lower

CA FID UST:
Facility ID: 49003801
Regulated By: UTNKA
Regulated ID: 00053084
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7075460561
Mail To: Not reported
Mailing Address: 590 BELLEVUE AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ROSA 95407
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
104 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GEORGE H. HABER (Continued)

S101627354

SWEEPS UST:

Status: Active
Comp Number: 53084
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 49-060-053084-000001
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 2

Status: Active
Comp Number: 53084
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 49-060-053084-000002
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

3
ENE
< 1/8
0.067 mi.
354 ft.

A-1 MINI STORAGE
2868 DUTTON AVENUE, SOUTH
SANTA ROSA, CA 95401

SLIC S105051227
N/A

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 01/14/1997
Global Id: T0609793348
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 38.4080273
Longitude: -122.7294011
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1NSR290
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline

Actual:
115 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A-1 MINI STORAGE (Continued)

S105051227

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

SLIC REG 1:

Region: 1
Facility ID: 1NSR290
Staff Initials: Facility Closed

4
ENE
1/8-1/4
0.146 mi.
772 ft.

C FLASHMOBILE QUALITY AUTO RESTORATION AUTO DETAILING REPR
1385 CASS RD
SANTA ROSA, CA 95401

EDR US Hist Auto Stat

1014170350
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: C FLASHMOBILE QUALITY AUTO RESTORATION AUTO DETAILING REPR
Year: 1990
Type: AUTOMOBILE REPAIRING

Actual:
115 ft.

Name: CLASSIC MILITARY AUTOMOTIVE
Year: 2006
Address: 1385 CASS RD

Name: MIKES MILITARY MOTORS
Year: 2007
Address: 1385 CASS RD

Name: CLASSIC MILITARY AUTOMOTIVE
Year: 2009
Address: 1385 CASS RD

5
SE
1/8-1/4
0.172 mi.
910 ft.

UNITED GROCERS
DUTTON AVENUE 3000
SANTA ROSA, CA

LUST

S103393037
N/A

Relative:
Higher

LUST REG 1:

Region: 1
Facility ID: 1TSR344
Staff Initials: JEF

Actual:
113 ft.

B6
NE
1/8-1/4
0.191 mi.
1008 ft.

LOWELL'S AUTO WORKES
1485 MAUREEN RD
SANTA ROSA, CA 95401

CUPA Listings
HAZNET

S113069697
N/A

Site 1 of 3 in cluster B

Relative:
Higher

CUPA SONOMA:

Permit: 896
Type: 6
HMBP: False
UST: False

Actual:
117 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOWELL'S AUTO WORKES (Continued)

S113069697

HWG: True
calarp: False
AST: False
HW Treatment: False

HAZNET:
envid: S113069697
Year: 2005
GEPaid: CAL000123647
Contact: LOWELL CARPENTER
Telephone: 7075783579
Mailing Name: Not reported
Mailing Address: 1485 MAUREEN DR
Mailing City,St,Zip: SANTA ROSA, CA 954077746
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Tons: 0.22
Facility County: Sonoma

**B7
NE
1/8-1/4
0.191 mi.
1008 ft.**

**LOWELLS AUTO WORKS
1485 MAUREEN DR
SANTA ROSA, CA 95401**

**EDR US Hist Auto Stat 1014172358
N/A**

Site 2 of 3 in cluster B

**Relative:
Higher**

EDR Historical Auto Stations:

Name: LOWELLS AUTO WORKS
Year: 1990
Type: AUTOMOBILE REPAIRING

**Actual:
117 ft.**

Name: LOWELLS AUTO WERKES
Year: 1999
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2000
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2003
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2004
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2005
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2007
Address: 1485 MAUREEN DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOWELLS AUTO WORKS (Continued)

1014172358

Name: LOWELLS AUTO WERKES
Year: 2008
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2009
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2010
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2011
Address: 1485 MAUREEN DR

Name: LOWELLS AUTO WERKES
Year: 2012
Address: 1485 MAUREEN DR

B8
NE
1/8-1/4
0.193 mi.
1020 ft.

1450 MAUREEN DR
SANTA ROSA, CA 95407

EDR US Hist Auto Stat 1015230268
N/A

Site 3 of 3 in cluster B

Relative:
Higher

Actual:
117 ft.

EDR Historical Auto Stations:

Name: MILLER MOTORS
Year: 1999
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2000
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2004
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2005
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2006
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2007
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2008
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2010
Address: 1450 MAUREEN DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015230268

Name: MILLER MOTORS
Year: 2011
Address: 1450 MAUREEN DR

Name: MILLER MOTORS
Year: 2012
Address: 1450 MAUREEN DR

C9 BELLEVUE SCHOOL DISTRICT
SSW 3223 PRIMROSE AVE
1/4-1/2 SANTA ROSA, CA 95407
0.264 mi.
1394 ft. Site 1 of 2 in cluster C

LUST S101627342
CA FID UST N/A
SWEEPS UST

Relative:
Lower

Actual:
104 ft.

LUST:
Region: STATE
Global Id: T0609700426
Latitude: 38.397661
Longitude: -122.734945
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/15/1999
Lead Agency: SONOMA COUNTY LOP
Case Worker: LCW
Local Agency: SONOMA COUNTY LOP
RB Case Number: 1TSO603
LOC Case Number: 00002385
File Location: Stored electronically as an E-file
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0609700426
Contact Type: Local Agency Caseworker
Contact Name: LOP CLOSED IN RB01
Organization Name: SONOMA COUNTY LOP
Address: 625 FIFTH STREET
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Global Id: T0609700426
Contact Type: Regional Board Caseworker
Contact Name: SONOMA COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: 7075656565

Status History:

Global Id: T0609700426
Status: Completed - Case Closed
Status Date: 09/15/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELLEVUE SCHOOL DISTRICT (Continued)

S101627342

Global Id: T0609700426
Status: Open - Case Begin Date
Status Date: 06/23/1994

Regulatory Activities:

Global Id: T0609700426
Action Type: Other
Date: 06/23/1994
Action: Leak Discovery

Global Id: T0609700426
Action Type: REMEDIATION
Date: 05/17/1999
Action: Not reported

Global Id: T0609700426
Action Type: Other
Date: 01/02/1965
Action: Leak Reported

SONOMA CO. LUST:

Region: SONOMA
Regional Board: 1TSO603
Closed or Referred: Y
Confirm Date: 09/15/1999
LOP Number: 00002385
Staff: Not reported
Global ID: T0609700426

CA FID UST:

Facility ID: 49003602
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7075425197
Mail To: Not reported
Mailing Address: 3223 PRIMROSE AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ROSA 95407
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 49003602
Regulated By: UTNKA
Regulated ID: 00065578
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7075425197
Mail To: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BELLEVUE SCHOOL DISTRICT (Continued)

S101627342

Mailing Address: 3223 PRIMROSE AVE
 Mailing Address 2: Not reported
 Mailing City,St,Zip: SANTA ROSA 95407
 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: 2385
 Number: 6
 Board Of Equalization: 44-028006
 Referral Date: 09-11-91
 Action Date: 09-11-91
 Created Date: 03-31-89
 Owner Tank Id: 1
 SWRCB Tank Id: 49-000-002385-000001
 Tank Status: A
 Capacity: 1000
 Active Date: 09-11-91
 Tank Use: M.V. FUEL
 STG: P
 Content: REG UNLEADED
 Number Of Tanks: 2

Status: Active
 Comp Number: 2385
 Number: 6
 Board Of Equalization: 44-028006
 Referral Date: 09-11-91
 Action Date: 09-11-91
 Created Date: 03-31-89
 Owner Tank Id: 2
 SWRCB Tank Id: 49-000-002385-000002
 Tank Status: A
 Capacity: 1000
 Active Date: 09-11-91
 Tank Use: M.V. FUEL
 STG: P
 Content: DIESEL
 Number Of Tanks: Not reported

C10
SSW
 1/4-1/2
 0.264 mi.
 1394 ft.

BELLEVUE SCHOOL MODERNIZATION
3223 PRIMROSE AVE
SANTA ROSA, CA 95407
 Site 2 of 2 in cluster C

NPDES S102425159
HIST CORTESE N/A
LUST
CUPA Listings

Relative:
Lower

NPDES:
 Npdes Number: Not reported
 Facility Status: Not reported
 Agency Id: Not reported
 Region: 1

Actual:
104 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELLEVUE SCHOOL MODERNIZATION (Continued)

S102425159

Regulatory Measure Id: 454368
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 1 49W002141
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 04/16/2015
PROCESSED DATE: 04/30/2015
STATUS CODE NAME: Active
STATUS DATE: 04/30/2015
PLACE SIZE: 1.47
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Joel Dontos
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 707-542-5197
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: jdontos@busd.org
OPERATOR NAME: Bellevue Union School District
OPERATOR ADDRESS: 3150 Education Drive
OPERATOR CITY: Santa Rosa
OPERATOR STATE: California
OPERATOR ZIP: 95407
OPERATOR CONTACT NAME: Joel Dontos
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 707-542-5197
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: jdontos@busd.org
OPERATOR TYPE: Elementary School
DEVELOPER NAME: Bellevue Union School District
DEVELOPER ADDRESS: 3150 Education Drive
DEVELOPER CITY: Santa Rosa
DEVELOPER STATE: Not reported
DEVELOPER ZIP: 95407
DEVELOPER CONTACT NAME: Joel Dontos
DEVELOPER CONTACT TITLE: Not reported
CONSTYPE LINEAR UTILITY IND: N
EMERGENCY PHONE NO: Not reported
EMERGENCY PHONE EXT: Not reported
CONSTYPE ABOVE GROUND IND: N
CONSTYPE BELOW GROUND IND: N
CONSTYPE CABLE LINE IND: N
CONSTYPE COMM LINE IND: N
CONSTYPE COMMERTIAL IND: N
CONSTYPE ELECTRICAL LINE IND: N
CONSTYPE GAS LINE IND: N
CONSTYPE INDUSTRIAL IND: N
CONSTYPE OTHER DESRIPTION: School/parking lot improvements
CONSTYPE OTHER IND: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELLEVUE SCHOOL MODERNIZATION (Continued)

S102425159

CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Joel Dontos
CERTIFIER TITLE:	CBO
CERTIFICATION DATE:	16-APR-15
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	1
Regulatory Measure Id:	454368
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	1 49W002141
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/30/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bellevue Union School District
Discharge Address:	3150 Education Drive
Discharge City:	Santa Rosa
Discharge State:	California
Discharge Zip:	95407
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELLEVUE SCHOOL MODERNIZATION (Continued)

S102425159

DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	49
Reg By:	LTNKA
Reg Id:	1TSO603

LUST REG 1:

Region:	1
Facility ID:	1TSO603
Staff Initials:	Closed

CUPA SONOMA:

Permit:	7485
Type:	6
HMBP:	False
UST:	False
HWG:	False
calarp:	False
AST:	False
HW Treatment:	False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

11
East
1/4-1/2
0.325 mi.
1717 ft.

MARKET WHOLESALE GROCERY CO.
3000 DUTTON AVE
SANTA ROSA, CA 95407

HIST CORTESE
LUST
HIST UST

U001609556
N/A

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR344

Actual:
115 ft.

LUST:

Region: STATE
Global Id: T0609700762
Latitude: 38.404895
Longitude: -122.722252
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/01/2002
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1TSR344
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0609700762
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Global Id: T0609700762
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Email: Not reported
Phone Number: 7075433500

Status History:

Global Id: T0609700762
Status: Completed - Case Closed
Status Date: 01/01/2002

Global Id: T0609700762
Status: Open - Case Begin Date
Status Date: 09/09/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARKET WHOLESALE GROCERY CO. (Continued)

U001609556

Global Id: T0609700762
Status: Open - Site Assessment
Status Date: 09/16/1998

Global Id: T0609700762
Status: Open - Site Assessment
Status Date: 12/21/1998

Global Id: T0609700762
Status: Open - Site Assessment
Status Date: 01/28/1999

Global Id: T0609700762
Status: Open - Site Assessment
Status Date: 07/10/2000

Regulatory Activities:

Global Id: T0609700762
Action Type: Other
Date: 09/09/1998
Action: Leak Discovery

Global Id: T0609700762
Action Type: Other
Date: 09/09/1998
Action: Leak Stopped

Global Id: T0609700762
Action Type: Other
Date: 09/09/1998
Action: Leak Reported

HIST UST:

Region: STATE
Facility ID: 00000050413
Facility Type: Other
Other Type: WHOLESALE GROCERY
Contact Name: Not reported
Telephone: 7075425835
Owner Name: MARKET WHOLESALE GROCERY CO.
Owner Address: 3000 DUTTON AVE.
Owner City,St,Zip: SANTA ROSA, CA 95407
Total Tanks: 0003

Tank Num: 001
Container Num: W-1
Year Installed: 1981
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: E-1

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MARKET WHOLESALE GROCERY CO. (Continued)

U001609556

Year Installed: 1981
 Tank Capacity: 00015000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: N-1
 Year Installed: 1981
 Tank Capacity: 00000550
 Tank Used for: WASTE
 Type of Fuel: WASTE OIL
 Container Construction Thickness: Not reported
 Leak Detection: None

12
 NNE
 1/4-1/2
 0.460 mi.
 2428 ft.

MEADOWVIEW ELEMENTARY SCHOOL EXPANSION
2641 DUTTON MEADOW
SANTA ROSA, CA 95407

SCH S109548372
ENVIROSTOR N/A

Relative:
Higher

SCH:

Actual:
122 ft.

Facility ID: 60001076
 Site Type: School Cleanup
 Site Type Detail: School
 Site Mgmt. Req.: NONE SPECIFIED
 Acres: 1
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Craig Sanchez
 Supervisor: Jose Salcedo
 Division Branch: Northern California Schools & Santa Susana
 Site Code: 204232
 Assembly: 10
 Senate: 02
 Special Program Status: Not reported
 Status: Active
 Status Date: 01/28/2015
 Restricted Use: NO
 Funding: School District
 Latitude: 38.41300
 Longitude: -122.7300
 APN: 043072007
 Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
 Potential COC: Under Investigation, Arsenic, Benzene, Chlordane, DDD, DDE, DDT, Endrin, Lead, Toxaphene, TPH-diesel, TPH-gas
 Confirmed COC: 30001-NO, 30003-NO, 30004-NO, 30024-NO, 30025-NO, Under Investigation, 30023-NO, 30013-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO
 Potential Description: SOIL
 Alias Name: Meadow View Elementary School Expansion
 Alias Type: Alternate Name
 Alias Name: Meadow View Elementary School Extension
 Alias Type: Alternate Name

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)

S109548372

Alias Name: 043072007
Alias Type: APN
Alias Name: 204232
Alias Type: Project Code (Site Code)
Alias Name: 60001076
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/08/2009
Comments: Signed by Perf Mnger 05/8/09

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement Application
Completed Date: 04/09/2009
Comments: Received EOA Application and prepared agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2009
Comments: PM requested a PEA-SSI workplan to complete delineation of the contamination identified in the Phase II report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/08/2009
Comments: DTSC approved the PEA workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/13/2010
Comments: PM approved the PEA report with a further action determination. See uploaded approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/24/2010
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/15/2011
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)

S109548372

Completed Document Type: Fact Sheets
Completed Date: 04/15/2011
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/03/2011
Comments: PM received finalized Public Notice (English and Spanish) on 2/23/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 05/11/2011
Comments: PM prepared and processed inactive letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 09/01/2010
Comments: mailed fully executed SCA to District

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/14/2011
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/19/2012
Comments: CRU to close billing for dormant site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 03/26/2015
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:

Facility ID: 60001076

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)

S109548372

Status: Active
Status Date: 01/28/2015
Site Code: 204232
Site Type: School Cleanup
Site Type Detailed: School
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Craig Sanchez
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 10
Senate: 02
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.41300
Longitude: -122.7300
APN: 043072007
Past Use: AGRICULTURAL - ORCHARD, AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Under Investigation Arsenic Benzene Chlordane DDD DDE DDT Endrin
Lead Toxaphene TPH-diesel TPH-gas
Confirmed COC: 30001-NO 30003-NO 30004-NO 30024-NO 30025-NO Under Investigation
30023-NO 30013-NO 30006-NO 30007-NO 30008-NO 30010-NO
Potential Description: SOIL
Alias Name: Meadow View Elementary School Expansion
Alias Type: Alternate Name
Alias Name: Meadow View Elementary School Extension
Alias Type: Alternate Name
Alias Name: 043072007
Alias Type: APN
Alias Name: 204232
Alias Type: Project Code (Site Code)
Alias Name: 60001076
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/08/2009
Comments: Signed by Perf Mnger 05/8/09

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement Application
Completed Date: 04/09/2009
Comments: Received EOA Application and prepared agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2009
Comments: PM requested a PEA-SSI workplan to complete delineation of the contamination identified in the Phase II report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)

S109548372

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/08/2009
Comments: DTSC approved the PEA workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/13/2010
Comments: PM approved the PEA report with a further action determination. See uploaded approval letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/24/2010
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 04/15/2011
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/15/2011
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 03/03/2011
Comments: PM received finalized Public Notice (English and Spanish) on 2/23/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 05/11/2011
Comments: PM prepared and processed inactive letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 09/01/2010
Comments: mailed fully executed SCA to District

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEADOWVIEW ELEMENTARY SCHOOL EXPANSION (Continued)

S109548372

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 04/14/2011
Comments: PM received e-mails from PPS, District, and District's consultant stating no comments were received on the Draft RAW. PM approved the RAW for implementation on 4/14/2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/19/2012
Comments: CRU to close billing for dormant site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 03/26/2015
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

13
ENE
1/2-1
0.593 mi.
3130 ft.

**FREEMAN TOYOTA
2875 CORBY
SANTA ROSA, CA 93582**

**HIST CORTESE
LUST
Notify 65**

**S100236179
N/A**

**Relative:
Higher**

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR124

**Actual:
124 ft.**

LUST:
Region: STATE
Global Id: T0609700631
Latitude: 38.407989
Longitude: -122.717915
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/29/1995
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1TSR124
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREEMAN TOYOTA (Continued)

S100236179

Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0609700631
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Global Id: T0609700631
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Email: Not reported
Phone Number: 7075433500

Status History:

Global Id: T0609700631
Status: Open - Verification Monitoring
Status Date: 05/28/1995

Global Id: T0609700631
Status: Open - Case Begin Date
Status Date: 11/02/1989

Global Id: T0609700631
Status: Completed - Case Closed
Status Date: 05/29/1995

Global Id: T0609700631
Status: Open - Remediation
Status Date: 05/28/1995

Global Id: T0609700631
Status: Open - Site Assessment
Status Date: 11/30/1989

Global Id: T0609700631
Status: Open - Site Assessment
Status Date: 12/05/1990

Global Id: T0609700631
Status: Open - Site Assessment
Status Date: 05/28/1995

Regulatory Activities:

Global Id: T0609700631
Action Type: Other
Date: 11/02/1989
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREEMAN TOYOTA (Continued)

S100236179

Global Id: T0609700631
Action Type: Other
Date: 11/02/1989
Action: Leak Stopped

Global Id: T0609700631
Action Type: Other
Date: 11/02/1989
Action: Leak Reported

Global Id: T0609700631
Action Type: ENFORCEMENT
Date: 11/30/1989
Action: * Historical Enforcement

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: 93582

14
NW
1/2-1
0.616 mi.
3253 ft.

**REDWOOD CHEMICAL
2450 STONEY POINT ROAD
SANTA ROSA, CA 95407**

**ENVIROSTOR 1000592019
N/A**

**Relative:
Higher**

ENVIROSTOR:

**Actual:
113 ft.**

Facility ID: 49280008
Status: Refer: Local Agency
Status Date: 03/25/2008
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: CITY OF SANTA ROSA
Lead Agency: CITY OF SANTA ROSA
Program Manager: Not reported
Supervisor: Karen Toth
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 38.41388
Longitude: -122.7379
APN: 125-521-009, 125-521-010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDWOOD CHEMICAL (Continued)

1000592019

Alias Name: BUDS MANUFACTURING COMPANY
Alias Type: Alternate Name
Alias Name: 125-521-009
Alias Type: APN
Alias Name: 125-521-010
Alias Type: APN
Alias Name: 49280008
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: 04/25/1988
Comments: SITE SCREENING DONE POSS ONITE CONTAM

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/25/2008
Comments: Investigations and cleanup were conducted and a No Further Action letter was issued by the Santa Rosa Fire Dept. on May 26, 1998.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/23/1988
Comments: FACILITY IDENTIFIED RWQCB COMPLAINT 3/13/80 - DISCH TO DITCH

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

15
SE
1/2-1
0.642 mi.
3391 ft.

PROPOSED DUTTON AVENUE SCHOOL SITE
3255/3261 DUTTON AVENUE
SANTA ROSA, CA 95407

SCH S108649777
ENVIROSTOR N/A

Relative:
Lower

SCH:

Actual:
110 ft.

Facility ID: 60000661
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4.14
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Mary Gaspari
Supervisor: Mark Malinowski

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROPOSED DUTTON AVENUE SCHOOL SITE (Continued)

S108649777

Division Branch: Northern California Schools & Santa Susana
Site Code: 204203
Assembly: 10
Senate: 02
Special Program Status: Not reported
Status: No Further Action
Status Date: 01/30/2008
Restricted Use: NO
Funding: School District
Latitude: 38.39739
Longitude: -122.7249
APN: 134-072-016, 134-072-019
Past Use: AGRICULTURAL - LIVESTOCK, AGRICULTURAL - ORCHARD, RESIDENTIAL AREA
Potential COC: Arsenic, Arsenic, Chlordane, DDD, DDE, DDT, Lead, Polynuclear aromatic hydrocarbons (PAHs, Dieldrin
Confirmed COC: 30001-NO, 30004-NO, 30013-NO, 30006-NO, 30007-NO, 30008-NO, No Contaminants found, 30019-NO, 30207-NO
Potential Description: SOIL
Alias Name: 134-072-016
Alias Type: APN
Alias Name: 134-072-019
Alias Type: APN
Alias Name: 204203
Alias Type: Project Code (Site Code)
Alias Name: 60000661
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/10/2007
Comments: Following a comprehensive review of the Phase 1, DTSC determined a Preliminary Environmental Assessment is required.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/09/2007
Comments: DTSC approved the PEA Workplan as final.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/30/2008
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/01/2008
Comments: DTSC issued a CRU Memo to Accounting to close-out project files.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 08/03/2007
Comments: Sent fully executed agreement to District.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROPOSED DUTTON AVENUE SCHOOL SITE (Continued)

S108649777

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:

Facility ID: 60000661
Status: No Further Action
Status Date: 01/30/2008
Site Code: 204203
Site Type: School Investigation
Site Type Detailed: School
Acres: 4.14
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Mary Gaspari
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 10
Senate: 02
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.39739
Longitude: -122.7249
APN: 134-072-016, 134-072-019
Past Use: AGRICULTURAL - LIVESTOCK, AGRICULTURAL - ORCHARD, RESIDENTIAL AREA
Potential COC: Arsenic Chlordane DDD DDE DDT Lead Polynuclear aromatic hydrocarbons (PAHs Dieldrin)
Confirmed COC: 30001-NO 30004-NO 30013-NO 30006-NO 30007-NO 30008-NO No Contaminants found 30019-NO 30207-NO
Potential Description: SOIL
Alias Name: 134-072-016
Alias Type: APN
Alias Name: 134-072-019
Alias Type: APN
Alias Name: 204203
Alias Type: Project Code (Site Code)
Alias Name: 60000661
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/10/2007
Comments: Following a comprehensive review of the Phase 1, DTSC determined a Preliminary Environmental Assessment is required.

Completed Area Name: PROJECT WIDE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PROPOSED DUTTON AVENUE SCHOOL SITE (Continued)

S108649777

Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Workplan
 Completed Date: 11/09/2007
 Comments: DTSC approved the PEA Workplan as final.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 01/30/2008
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 02/01/2008
 Comments: DTSC issued a CRU Memo to Accounting to close-out project files.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 08/03/2007
 Comments: Sent fully executed agreements to District.

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

**16
 East
 1/2-1
 0.677 mi.
 3573 ft.**

**PRESTIGE LINCOLN MERCURY
 2979 CORBY AVENUE
 SANTA ROSA, CA 93582**

**HIST CORTESE
 LUST
 Notify 65**

**1000388923
 N/A**

**Relative:
 Higher
 Actual:
 122 ft.**

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 49
 Reg By: LTNKA
 Reg Id: 1TSR123

LUST:
 Region: STATE
 Global Id: T0609700630
 Latitude: 38.4046738
 Longitude: -122.7161924
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 03/16/2010
 Lead Agency: NORTH COAST RWQCB (REGION 1)
 Case Worker: ZZZ
 Local Agency: SANTA ROSA, CITY OF
 RB Case Number: 1TSR123

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESTIGE LINCOLN MERCURY (Continued)

1000388923

LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0609700630
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Global Id: T0609700630
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Email: Not reported
Phone Number: 7075433500

Status History:

Global Id: T0609700630
Status: Completed - Case Closed
Status Date: 03/16/2010

Global Id: T0609700630
Status: Open - Verification Monitoring
Status Date: 04/30/2007

Global Id: T0609700630
Status: Open - Case Begin Date
Status Date: 11/09/1989

Global Id: T0609700630
Status: Open - Remediation
Status Date: 07/18/2001

Global Id: T0609700630
Status: Open - Remediation
Status Date: 03/27/2003

Global Id: T0609700630
Status: Open - Site Assessment
Status Date: 11/30/1989

Global Id: T0609700630
Status: Open - Site Assessment
Status Date: 02/20/1990

Global Id: T0609700630

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESTIGE LINCOLN MERCURY (Continued)

1000388923

Status: Open - Site Assessment
Status Date: 04/10/1990

Global Id: T0609700630
Status: Open - Site Assessment
Status Date: 02/04/1993

Regulatory Activities:

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 08/19/2003
Action: File review

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 03/10/2010
Action: Staff Letter

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 03/10/2010
Action: Closure/No Further Action Letter

Global Id: T0609700630
Action Type: RESPONSE
Date: 09/15/2004
Action: Other Report / Document

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 08/10/2004
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 11/23/2004
Action: Staff Letter

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 12/08/2004
Action: Rescission of Enforcement Action - #R1-2004-0093

Global Id: T0609700630
Action Type: RESPONSE
Date: 01/15/2005
Action: Other Report / Document

Global Id: T0609700630
Action Type: RESPONSE
Date: 09/10/2010
Action: Well Destruction Report

Global Id: T0609700630
Action Type: REMEDIATION
Date: 05/22/1991
Action: Excavation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESTIGE LINCOLN MERCURY (Continued)

1000388923

Global Id:	T0609700630
Action Type:	REMEDIATION
Date:	05/22/1991
Action:	Excavation
Global Id:	T0609700630
Action Type:	Other
Date:	11/09/1989
Action:	Leak Discovery
Global Id:	T0609700630
Action Type:	REMEDIATION
Date:	07/26/2005
Action:	In Situ Physical/Chemical Treatment (other than SVE)
Global Id:	T0609700630
Action Type:	ENFORCEMENT
Date:	09/21/2006
Action:	Staff Letter
Global Id:	T0609700630
Action Type:	ENFORCEMENT
Date:	09/21/2006
Action:	13267 Monitoring Program
Global Id:	T0609700630
Action Type:	ENFORCEMENT
Date:	11/15/2006
Action:	Staff Letter
Global Id:	T0609700630
Action Type:	Other
Date:	11/09/1989
Action:	Leak Stopped
Global Id:	T0609700630
Action Type:	RESPONSE
Date:	09/15/2004
Action:	Other Report / Document
Global Id:	T0609700630
Action Type:	ENFORCEMENT
Date:	04/30/2008
Action:	Staff Letter
Global Id:	T0609700630
Action Type:	ENFORCEMENT
Date:	05/23/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609700630
Action Type:	RESPONSE
Date:	01/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700630
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESTIGE LINCOLN MERCURY (Continued)

1000388923

Date: 07/31/2006
Action: Monitoring Report - Quarterly

Global Id: T0609700630
Action Type: RESPONSE
Date: 04/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 11/30/1989
Action: * Historical Enforcement

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 08/10/2004
Action: Staff Letter

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 08/24/2007
Action: File review

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 10/28/2008
Action: Staff Letter

Global Id: T0609700630
Action Type: Other
Date: 11/09/1989
Action: Leak Reported

Global Id: T0609700630
Action Type: RESPONSE
Date: 10/31/2007
Action: Monitoring Report - Quarterly

Global Id: T0609700630
Action Type: RESPONSE
Date: 11/15/2008
Action: Other Report / Document

Global Id: T0609700630
Action Type: RESPONSE
Date: 06/15/2008
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609700630
Action Type: RESPONSE
Date: 12/30/2008
Action: Monitoring Report - Other

Global Id: T0609700630
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESTIGE LINCOLN MERCURY (Continued)

1000388923

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 09/15/2009
Action: Notification - Public Notice of Case Closure

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 04/16/2003
Action: * No Action

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 10/21/2005
Action: 13267 Monitoring Program - #R1-2005-0103

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 02/04/2003
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 03/27/2003
Action: Waste Discharge Requirements - #R1-003-0002

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 09/01/2009
Action: File review

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 10/15/2009
Action: Notification - Public Notice of Case Closure

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 09/15/2009
Action: Staff Letter

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 10/15/2009
Action: Staff Letter

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 12/14/2009
Action: Staff Letter

Global Id: T0609700630
Action Type: ENFORCEMENT
Date: 02/22/2010
Action: Staff Letter

Global Id: T0609700630
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRESTIGE LINCOLN MERCURY (Continued)

1000388923

Date: 11/01/2009
Action: Other Report / Document

LUST REG 1:

Region: 1
Facility ID: 1TSR123
Staff Initials: JAT

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: 93582

17
NE
1/2-1
0.755 mi.
3988 ft.

**GREG'S AUTOMOTIVE
DUTTON
SANTA ROSA, CA 93582**

**Notify 65 S100179294
N/A**

Relative:
Higher

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: 93582

Actual:
134 ft.

18
NNE
1/2-1
0.759 mi.
4007 ft.

**FOUCHE AUTO WRECKERS
2290 DUTTON AVENUE
SANTA ROSA, CA 95407**

**SLIC S108213818
ENVIROSTOR N/A**

Relative:
Higher

SLIC:

Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 09/20/2001
Global Id: T0609793108
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 38.416098
Longitude: -122.723343
Case Type: Cleanup Program Site
Case Worker: JMG
Local Agency: SONOMA COUNTY
RB Case Number: 1NSO366
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil, Well used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
133 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOUCHE AUTO WRECKERS (Continued)

S108213818

[Click here to access the California GeoTracker records for this facility:](#)

ENVIROSTOR:

Facility ID: 49500004
Status: Refer: RWQCB
Status Date: 09/27/1993
Site Code: Not reported
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
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.41731
Longitude: -122.7219
APN: 043-041-001
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 043-041-001
Alias Type: APN
Alias Name: 49500004
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: 04/22/1988
Comments: SITE SCREENING DONE AUTO DISMANTLER, POSS ONSITE DISP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/10/1988
Comments: FACILITY IDENTIFIED POLK DIR 1958

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			EPA ID Number
Distance			
Elevation	Site	Database(s)	

19 NW 1/2-1 0.763 mi. 4027 ft.	OPTICAL COATING LABORATORY INC STORMDRAIN @ NORTHPOINT SANTA ROSA, CA 93582	Notify 65	S100179058 N/A
---	--	------------------	---------------------------------

Relative: Higher	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: 93582
Actual: 112 ft.	

20 SE 1/2-1 0.809 mi. 4274 ft.	WILKINSON STEEL, INC. 300 W ROBLES AVENUE SANTA ROSA, CA 95407	CA FID UST CUPA Listings ENVIROSTOR	S101627357 N/A
---	---	--	---------------------------------

Relative: Lower	CA FID UST: Facility ID: 49003759 Regulated By: UTNKA Regulated ID: 00038492 Cortese Code: Not reported SIC Code: Not reported Facility Phone: 7075849020 Mail To: Not reported Mailing Address: 3555 STANDISH AVE Mailing Address 2: Not reported Mailing City,St,Zip: SANTA ROSA 95407 Contact: Not reported Contact Phone: Not reported DUNS Number: Not reported NPDES Number: Not reported EPA ID: Not reported Comments: Not reported Status: Active
Actual: 109 ft.	

CUPA SONOMA:	
Permit:	3503
Type:	3
HMBP:	True
UST:	False
HWG:	False
calarp:	False
AST:	False
HW Treatment:	False

Permit:	7594
Type:	1
HMBP:	True
UST:	False
HWG:	False
calarp:	False
AST:	False
HW Treatment:	False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILKINSON STEEL, INC. (Continued)

S101627357

ENVIROSTOR:

Facility ID: 49330004
Status: No Further Action
Status Date: 01/07/2000
Site Code: Not reported
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
Assembly: 10
Senate: 02
Special Program: * Rural County Survey Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.39310
Longitude: -122.7214
APN: 134-102-010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: PACIFIC COAST GREENHOUSE
Alias Type: Alternate Name
Alias Name: 134-102-010
Alias Type: APN
Alias Name: 49330004
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: 05/13/1988
Comments: SITE SCREENING DONE POTENTIAL ONSITE DISP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/15/1988
Comments: FACILITY IDENTIFIED IND DIR 1962

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 ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

21
 East
 1/2-1
 0.872 mi.
 4605 ft.

GOLDEN TECHNOLOGY SITE
3017 AND 3019 SANTA ROSA AVENUE
SANTA ROSA, CA 95407

HIST Cal-Sites S102008403
DEED N/A
RESPONSE
ENVIROSTOR

Relative:
Higher

Calsite:

Actual:
123 ft.

Region: BERKELEY
 Facility ID: 49390001
 Facility Type: ERAP
 Type: EXPEDITED REMEDIAL ACTION PROGRAM
 Branch: NC
 Branch Name: NORTH COAST
 File Name: GOLDEN TECHNOLOGY
 State Senate District: 06251996
 Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
 Status Name: EXPEDITED REMEDIAL ACTION PROGRAM SITES
 Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
 NPL: Not reported
 SIC Code: 39
 SIC Name: MISCELLANEOUS MANUFACTURING INDUSTRIES
 Access: Controlled
 Cortese: Not reported
 Hazardous Ranking Score: Not reported
 Date Site Hazard Ranked: Not reported
 Groundwater Contamination: Not reported
 Staff Member Responsible for Site: JNAITO
 Supervisor Responsible for Site: Not reported
 Region Water Control Board: NC
 Region Water Control Board Name: NORTH COAST
 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: 07
 State Senate District Code: 02
 Facility ID: 49390001
 Activity: RIFS
 Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
 AWP Code: SITE
 Proposed Budget: 0
 AWP Completion Date: 12312004
 Revised Due Date: 12312005
 Comments Date: Not reported
 Est Person-Yrs to complete: 0
 Estimated Size: Not reported
 Request to Delete Activity: Not reported
 Activity Status: ERAP
 Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Unknown Type: 0
Facility ID: 49390001
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: 09302004
Revised Due Date: Not reported
Comments Date: 10082004
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: DES
Activity Name: DESIGN
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: 10312004
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: X
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: GW
Proposed Budget: 0
AWP Completion Date: 12312005
Revised Due Date: 12312006
Comments Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 12312006
Revised Due Date: 12312007
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: 2061
Activity Name: AB 2061 DESIGNATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08281996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

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: 49390001
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: GW
Proposed Budget: 0
AWP Completion Date: 06302005
Revised Due Date: 07012006
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: PEA
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01031996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: SS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Activity Name: SITE SCREENING
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 01101996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
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: 06241996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: PRP
Activity Name: POTENTIAL RESPONSIBLE PARTY SEARCH
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11071996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: CONF
Activity Name: SITE CONFERENCES FOR SB 923 SITES
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11071996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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: 49390001
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: EA
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03201998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: ERAP
Definition of Status: EXPEDITED REMEDIAL ACTION PROGRAM SITES
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	49390001
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05091997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	ERAP
Definition of Status:	EXPEDITED REMEDIAL ACTION PROGRAM SITES
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:	3017 AND 3019 SANTA ROSA AVENUE
Alternate City,St,Zip:	SANTA ROSA, CA 95407
Background Info:	The Site is the location of the former Golden Technology facility which manufactured printed circuit boards from 1969 to 1975. Waste generated from facility operations was discharged onsite and included acids, metals, and solvents.
Comments Date:	01031996
Comments:	Order issued.
Comments Date:	03201998
Comments:	Signed ERAP Agreement.
Comments Date:	05091997
Comments:	Approved Public Participation Plan.
Comments Date:	06241996
Comments:	The Preliminary Endangerment Assessment (PEA) indicates that
Comments Date:	06241996
Comments:	metals and trichloroethylene (TCE) are present in onsite soil
Comments Date:	06241996
Comments:	and TCE and PCE are present in groundwater.
Comments Date:	08281996
Comments:	Designated for ERAP pilot program.
Comments Date:	10082004
Comments:	Approved RAP and Design requiring excavation and off-site
Comments Date:	10082004
Comments:	disposal of contaminated soil.
Comments Date:	11071996
Comments:	Conducted site conference with appropriate regulatory agencies
Comments Date:	11071996
Comments:	and completed PRP search.
ID Name:	CALSTARS CODE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

ID Value: 290001
Alternate Name: GOLDEN TECHNOLOGY SITEGOLDEN TECHNOLOGY
Special Programs Code: Not reported
Special Programs Name: Not reported

DEED:

Envirostor ID: 49390001
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Upload: Not reported
Deed Date(s): 12/14/2005

Envirostor ID: 49390001
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Upload: Not reported
Deed Date(s): 12/14/2005

RESPONSE:

Facility ID: 49390001
Site Type: State Response
Site Type Detail: State Response ERAP
Acres: 2.9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Charles (Chip) Gribble
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Site Code: 290001
Site Mgmt. Req.: DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES, DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES
Assembly: 10
Senate: 02
Special Program Status: Designation of Single Agency
Status: Active
Status Date: 06/25/1996
Restricted Use: YES
Funding: Responsible Party
Latitude: 38.40432
Longitude: -122.7149
APN: 043132032, 043132051
Past Use: MANUFACTURING - ELECTRONIC
Potential COC : Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Confirmed COC: Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Potential Description: AQUI, OTH, SOIL
Alias Name: GOLDEN TECHNOLOGY
Alias Type: Alternate Name
Alias Name: 043132032
Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Alias Name: 043132051
Alias Type: APN
Alias Name: 110033620623
Alias Type: EPA (FRS #)
Alias Name: T0609793165
Alias Type: GeoTracker Global ID
Alias Name: 43-132-32
Alias Type: Historical APN
Alias Name: 43-132-45
Alias Type: Historical APN
Alias Name: 43-132-46
Alias Type: Historical APN
Alias Name: 43-132-47
Alias Type: Historical APN
Alias Name: 43-132-48
Alias Type: Historical APN
Alias Name: 43-132-49
Alias Type: Historical APN
Alias Name: 43-132-50
Alias Type: Historical APN
Alias Name: 290001
Alias Type: Project Code (Site Code)
Alias Name: 49390001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2006
Comments: Document accepted with comments to be addressed in the next monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/11/2006
Comments: Letter sent out approving report, requiring further evaluation of the HRC treatability study, and requiring schedule for the Feasibility Study.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/03/2006
Comments: No significant comments; report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2006
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/30/2006
Comments: DTSC determined that no further action is required for vadose zone

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

soil following completion of the soil excavation and the execution of deed restrictions. The groundwater investigation is still ongoing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/23/2006
Comments: The workplan failed to include the installation of lower aquifer monitoring wells to help bound the plume. Therefore, DTSC required that monitoring wells be installed and sampled. A report documenting these actions is required no later than October 31, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/12/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/07/2006
Comments: Bio-Trap samplers installed 10/5/06 and removed 11/7/06 for a total of approximately 33 days in place.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2007
Comments: DTSC required submittal of workplan for implementation of the recommended expansion of the HRC treatability study. Workplan to be submitted by 4/20/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2007
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2007
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/25/2004
Comments: Waste Discharge Requirements for the In-situ Treatment of VOCs in Groundwater by Enhanced Reductive Dechlorination adopted by the Regional Water Quality Control Board on 8/25/2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/13/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 11/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/24/2010
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/24/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/14/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 05/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 12/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/26/1998
Comments: DTSC providing oversight for investigation and cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/23/2001
Comments: Referred to DTSC since site is being actively overseen by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 08/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 11/07/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 08/28/1996
Comments: Designated for ERAP pilot program.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 01/13/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Comments: Collection Activities Summary Form 1479

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/21/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/08/2004
Comments: Approved design for the soil RAP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/09/1997
Comments: Approved Public Participation Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/24/1996
Comments: The Preliminary Endangerment Assessment (PEA) indicates that metals and trichloroethylene (TCE) are present in onsite soil and TCE and PCE are present in groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/10/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/09/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/30/2010
Comments: The remedy identified in the RAP is GW treatment using Enhanced Reductive Dechlorination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Sub Area Name: Not reported
Completed Document Type: Allocation of Liability for SB 923 Sites
Completed Date: 06/30/2010
Comments: Apportionment of Liability, for the groundwater RAP, was issued 6/30/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 02/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/24/2012
Comments: Demand letter #2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/26/2012
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Date: 06/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/02/2007
Comments: Report documents the implementation of the expanded treatability study. HRC injection performed on 7/16/07; Bio-Dechlor Inoculum (BDI) application on 8/17/2007. Third quarter monitoring event sounded 16 onsite and offsite wells on 9/24/2007. 6 shallow and 2 deeper groundwater monitoring wells sampled.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 04/11/2008
Comments: Report documents the installation of MW-LA-05 and MW-LA-06, two lower aquifer wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2008
Comments: Second groundwater monitoring event following implementation of the expanded treatability study. An evaluation of the effectiveness of the expanded treatability study will be included in the next quarterly report, along with a schedule for completion of the groundwater Remedial Action Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2008
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/03/2008
Comments: Fact Sheet announces the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting on November 20, 2008 from 6 p.m. to 8:30 p.m.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/31/2008
Comments: Public notice will appear in the Press Democrat on November 7, 2008 announcing the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting to be held on November 20, 2008 from 6 p.m. to 8:30 p.m..

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 05/27/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/28/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/20/1998
Comments: Signed ERAP Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/03/1996
Comments: Agreement for review of PEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/08/2004
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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Plan
Schedule Due Date: 12/28/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/30/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 03/30/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 03/30/2015
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 49390001
Status: Active
Status Date: 06/25/1996
Site Code: 290001
Site Type: State Response
Site Type Detailed: State Response ERAP
Acres: 2.9
NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Charles (Chip) Gribble
Supervisor: Denise Tsuji
Division Branch: Cleanup Berkeley
Assembly: 10
Senate: 02
Special Program: Designation of Single Agency
Restricted Use: YES
Site Mgmt Req: DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES, DAY, ELD, HOS, LUC, GW, OIL, NOWN, SCH, FOOD, RES
Funding: Responsible Party
Latitude: 38.40432
Longitude: -122.7149
APN: 043132032, 043132051
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Confirmed COC: Trichloroethylene (TCE 1,2-Dichloroethylene (cis
Potential Description: AQUI, OTH, SOIL
Alias Name: GOLDEN TECHNOLOGY
Alias Type: Alternate Name
Alias Name: 043132032
Alias Type: APN
Alias Name: 043132051
Alias Type: APN
Alias Name: 110033620623
Alias Type: EPA (FRS #)
Alias Name: T0609793165
Alias Type: GeoTracker Global ID
Alias Name: 43-132-32
Alias Type: Historical APN
Alias Name: 43-132-45
Alias Type: Historical APN
Alias Name: 43-132-46
Alias Type: Historical APN
Alias Name: 43-132-47
Alias Type: Historical APN
Alias Name: 43-132-48
Alias Type: Historical APN
Alias Name: 43-132-49
Alias Type: Historical APN
Alias Name: 43-132-50
Alias Type: Historical APN
Alias Name: 290001
Alias Type: Project Code (Site Code)
Alias Name: 49390001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/29/2006
Comments: Document accepted with comments to be addressed in the next monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Document Type: Monitoring Report
Completed Date: 05/11/2006
Comments: Letter sent out approving report, requiring further evaluation of the HRC treatability study, and requiring schedule for the Feasibility Study.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/03/2006
Comments: No significant comments; report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/20/2006
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/30/2006
Comments: DTSC determined that no further action is required for vadose zone soil following completion of the soil excavation and the execution of deed restrictions. The groundwater investigation is still ongoing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/23/2006
Comments: The workplan failed to include the installation of lower aquifer monitoring wells to help bound the plume. Therefore, DTSC required that monitoring wells be installed and sampled. A report documenting these actions is required no later than October 31, 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/12/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/07/2006
Comments: Bio-Trap samplers installed 10/5/06 and removed 11/7/06 for a total of approximately 33 days in place.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2007
Comments: DTSC required submittal of workplan for implementation of the recommended expansion of the HRC treatability study. Workplan to be submitted by 4/20/07.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2007
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2007
Comments: Report accepted, no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/25/2004
Comments: Waste Discharge Requirements for the In-situ Treatment of VOCs in Groundwater by Enhanced Reductive Dechlorination adopted by the Regional Water Quality Control Board on 8/25/2004.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 09/13/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Document Type: *Correspondence - Received
Completed Date: 11/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/24/2010
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/24/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 10/14/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 05/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/30/2012
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/10/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 12/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/26/1998
Comments: DTSC providing oversight for investigation and cleanup.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/23/2001
Comments: Referred to DTSC since site is being actively overseen by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Date: 03/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/12/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/15/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/03/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 08/02/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/14/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/12/2012
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 11/07/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 08/28/1996
Comments: Designated for ERAP pilot program.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 01/13/2011
Comments: Collection Activities Summary Form 1479

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 12/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Date: 03/06/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/21/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/08/2004
Comments: Approved design for the soil RAP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/09/1997
Comments: Approved Public Participation Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/24/1996
Comments: The Preliminary Endangerment Assessment (PEA) indicates that metals and trichloroethylene (TCE) are present in onsite soil and TCE and PCE are present in groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/10/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/09/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Remedial Action Plan

Completed Date: 06/30/2010

Comments: The remedy identified in the RAP is GW treatment using Enhanced Reductive Dechlorination.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Fieldwork

Completed Date: 09/14/2012

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Correspondence

Completed Date: 06/30/2010

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Allocation of Liability for SB 923 Sites

Completed Date: 06/30/2010

Comments: Apportionment of Liability, for the groundwater RAP, was issued 6/30/2010.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 02/21/2011

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/21/2011

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 11/05/2012

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 09/12/2013

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Annual Oversight Cost Estimate

Completed Date: 10/21/2014

Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/24/2012
Comments: Demand letter #2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 01/26/2012
Comments: Demand letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/02/2007
Comments: Report documents the implementation of the expanded treatability study. HRC injection performed on 7/16/07; Bio-Dechlor Inoculum (BDI) application on 8/17/2007. Third quarter monitoring event sounded 16 onsite and offsite wells on 9/24/2007. 6 shallow and 2 deeper groundwater monitoring wells sampled.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 04/11/2008
Comments: Report documents the installation of MW-LA-05 and MW-LA-06, two lower aquifer wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/11/2008
Comments: Second groundwater monitoring event following implementation of the expanded treatability study. An evaluation of the effectiveness of the expanded treatability study will be included in the next quarterly report, along with a schedule for completion of the groundwater Remedial Action Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/17/2008
Comments: Report accepted.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 11/03/2008
Comments: Fact Sheet announces the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting on November 20, 2008 from 6 p.m. to 8:30 p.m.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/31/2008
Comments: Public notice will appear in the Press Democrat on November 7, 2008 announcing the public comment period for the draft Groundwater RAP from 11/7/2008 through 12/12/2008; with a public meeting to be held on November 20, 2008 from 6 p.m. to 8:30 p.m..

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 05/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/10/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/28/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 06/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 03/20/1998
Comments: Signed ERAP Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/03/1996
Comments: Agreement for review of PEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/08/2004
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: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Plan
Schedule Due Date: 12/28/2014
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Certification
Schedule Due Date: 03/30/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLDEN TECHNOLOGY SITE (Continued)

S102008403

Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 03/30/2015
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 03/30/2015
Schedule Revised Date: Not reported

22
NE
1/2-1
0.887 mi.
4683 ft.

AM/PM MINI MART
440 HEARN AVENUE
SANTA ROSA, CA 95407

HIST CORTESE
LUST
SLIC
Notify 65

S100236216
N/A

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR150

Actual:
137 ft.

LUST:

Region: STATE
Global Id: T0609700647
Latitude: 38.414206947
Longitude: -122.717746665
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 01/26/2005
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Worker: JAT
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1TSR150
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: In April 1990, one 6,000-gallon and two 10,000-gallon underground storage tanks (USTs) were removed from the north side of the site. Soil samples collected from the excavation pit, at depths ranging between 16 and 20 feet below ground surface (bgs), showed total petroleum hydrocarbons as gasoline (TPH-g) and benzene at maximum concentrations of 15 mg/kg and 2.3 mg/kg, respectively. Groundwater and soil remediation has been conducted at the site since 2005, using shallow groundwater extraction from an interceptor trench, deeper-zone extraction from extraction wells, and several multi-phase extraction events using a mobile extraction unit. Quarterly groundwater monitoring events were conducted at the site from 1999 until mid 2009. Semi-annual groundwater sampling and analysis at selected monitoring wells were implemented in mid 2009.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0609700647

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Contact Type: Regional Board Caseworker
Contact Name: JIM TISCHLER
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: jtischler@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0609700647
Status: Open - Case Begin Date
Status Date: 04/13/1990

Global Id: T0609700647
Status: Open - Remediation
Status Date: 01/26/2005

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 05/04/1990

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 08/13/1993

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 09/13/1993

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 04/04/1995

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 05/09/2001

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 09/13/2001

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 10/29/2001

Global Id: T0609700647
Status: Open - Site Assessment
Status Date: 08/22/2002

Regulatory Activities:

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 05/08/2003
Action: File review

Global Id: T0609700647

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Action Type: ENFORCEMENT
Date: 12/26/2003
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 03/09/2004
Action: * Historical Enforcement

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 03/29/2004
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 08/15/2013
Action: Staff Letter

Global Id: T0609700647
Action Type: RESPONSE
Date: 06/30/2002
Action: Soil and Water Investigation Workplan

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/30/2003
Action: Soil and Water Investigation Report

Global Id: T0609700647
Action Type: RESPONSE
Date: 07/31/2013
Action: Remedial Progress Report - Regulator Responded

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 03/21/2008
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 04/05/2005
Action: * Verbal Communication

Global Id: T0609700647
Action Type: RESPONSE
Date: 03/15/2004
Action: Other Workplan

Global Id: T0609700647
Action Type: RESPONSE
Date: 03/09/2004
Action: Unauthorized Release Form

Global Id: T0609700647
Action Type: Other
Date: 04/13/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Action: Leak Discovery

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0609700647
Action Type: RESPONSE
Date: 02/28/2011
Action: Correspondence

Global Id: T0609700647
Action Type: REMEDIATION
Date: 01/26/2005
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 12/27/2007
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 01/18/2008
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 07/02/2010
Action: File review

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 05/26/2011
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 07/20/2010
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 12/12/2011
Action: Staff Letter

Global Id: T0609700647
Action Type: Other
Date: 04/13/1990
Action: Leak Stopped

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/30/2004
Action: Monitoring Report - Quarterly

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Global Id:	T0609700647
Action Type:	RESPONSE
Date:	10/31/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	10/30/2011
Action:	Electronic Reporting Submittal Due
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	08/09/2013
Action:	Verbal Enforcement
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	05/14/2013
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	11/06/2013
Action:	Notice of Violation
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	04/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	05/04/1990
Action:	* Historical Enforcement
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	04/02/2008
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	05/12/2003
Action:	Meeting
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	08/22/2002
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	02/26/2004
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Date: 10/29/2013
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 02/14/2013
Action: Clean-up and Abatement Order

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 12/11/2012
Action: 13267 Monitoring Program

Global Id: T0609700647
Action Type: RESPONSE
Date: 11/19/2007
Action: Other Report / Document

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/31/2007
Action: Monitoring Report - Quarterly

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/18/2013
Action: Correspondence

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 09/19/2007
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 11/03/2008
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 12/11/2012
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 01/08/2013
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 08/12/2013
Action: Staff Letter

Global Id: T0609700647
Action Type: Other
Date: 04/13/1990
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Global Id: T0609700647
Action Type: RESPONSE
Date: 03/15/2013
Action: Other Report / Document

Global Id: T0609700647
Action Type: RESPONSE
Date: 05/03/2013
Action: Monitoring Report - Other

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/15/2013
Action: Conceptual Site Model

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 03/02/2006
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 08/15/2013
Action: 13267 Monitoring Program

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 12/11/2012
Action: Staff Letter

Global Id: T0609700647
Action Type: RESPONSE
Date: 03/31/2008
Action: Other Workplan

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/31/2008
Action: Monitoring Report - Quarterly

Global Id: T0609700647
Action Type: RESPONSE
Date: 07/04/2003
Action: Other Report / Document

Global Id: T0609700647
Action Type: RESPONSE
Date: 10/31/2013
Action: Monitoring Report - Quarterly

Global Id: T0609700647
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Date: 12/02/2013
Action: Correspondence

Global Id: T0609700647
Action Type: RESPONSE
Date: 11/15/2013
Action: Correspondence

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/31/2014
Action: Monitoring Report - Quarterly

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/29/2014
Action: Correspondence

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 07/30/2009
Action: Staff Letter

Global Id: T0609700647
Action Type: ENFORCEMENT
Date: 11/21/2013
Action: Staff Letter

Global Id: T0609700647
Action Type: RESPONSE
Date: 09/04/2008
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/30/2009
Action: Monitoring Report - Annually

Global Id: T0609700647
Action Type: RESPONSE
Date: 01/30/2008
Action: Monitoring Report - Annually

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/30/2008
Action: Monitoring Report - Annually

Global Id: T0609700647
Action Type: RESPONSE
Date: 04/07/2008
Action: Other Report / Document

Global Id: T0609700647
Action Type: RESPONSE
Date: 05/23/2014
Action: Correspondence

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Global Id:	T0609700647
Action Type:	RESPONSE
Date:	04/07/2014
Action:	Correspondence
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	10/31/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	07/31/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	05/07/2001
Action:	Soil and Water Investigation Report
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	06/02/2003
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	02/07/2014
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	ENFORCEMENT
Date:	04/16/2014
Action:	Staff Letter
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	06/30/2009
Action:	Interim Remedial Action Report
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	01/31/2015
Action:	Monitoring Report - Quarterly
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	04/30/2014
Action:	Monitoring Report - Quarterly
Global Id:	T0609700647
Action Type:	RESPONSE
Date:	07/08/2014
Action:	Other Report / Document
Global Id:	T0609700647
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

Date: 10/20/2014
Action: Monitoring Report - Quarterly

Global Id: T0609700647
Action Type: RESPONSE
Date: 03/03/2003
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

LUST REG 1:

Region: 1
Facility ID: 1TSR150
Staff Initials: JAT

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
Status Date: 07/03/2009
Global Id: T0609765989
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 38.4143
Longitude: -122.7199
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: Not reported
RB Case Number: 1NSR150
File Location: Regional Board
Potential Media Affected: Soil, Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: This site is an active gasoline station and the location of an open investigation of prior gasoline releases from USTs at the site. On March 17, 2008, a tanker truck operated by Atlantic Richfield Company (ARCO) spilled approximately 30 gallons of gasoline when a moving car contacted the fill hose as fuel was being transferred to an underground storage tank. The spilled gasoline flowed over an area approximately 25 feet wide and 50 feet long, adjacent to at least three groundwater monitoring wells. The gasoline spill was contained on the site and mopped up with adsorbent materials on the night of the spill. On March 18, 2008, Regional Water Board staff inspected the area of the spill. Staff observed that the ground surface in the area spill contained damaged and cracked asphalt. On March 19, 2008, Regional Water Board staff conducted an additional inspection and observed that gasoline-saturated materials remained on the ground surface and that gasoline odors were present near the damaged asphalt surface. On April 3, 2008, one soil boring was advanced to a depth of 40 inches below ground surface in the area of the most extensively damaged asphalt paving. Soil samples were collected at 1 foot and 3 feet below ground surface for analysis of petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes, MTBE and ethanol. The laboratory results showed that all constituents of concern were below laboratory detection levels.

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AM/PM MINI MART (Continued)

S100236216

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: 93582

23
ENE
1/2-1
0.890 mi.
4700 ft.

HEPPER, TOM
2775 SANTA ROSA AVENUE
SANTA ROSA, CA 95402

HIST CORTESE **S100179298**
LUST **N/A**
Notify 65
ENF
HAZNET

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 49
Reg By: LTNKA
Reg Id: 1TSR099

Actual:
132 ft.

LUST:

Region: STATE
Global Id: T0609700610
Latitude: 38.4102377555059
Longitude: -122.713516326984
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/03/1995
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Worker: ZZZ
Local Agency: SANTA ROSA, CITY OF
RB Case Number: 1TSR099
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0609700610
Contact Type: Regional Board Caseworker
Contact Name: REGIONAL WATER BOARD SITE CLOSED
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: craig.hunt@waterboards.ca.gov
Phone Number: 7075762220

Global Id: T0609700610
Contact Type: Local Agency Caseworker
Contact Name: LOCAL PERMIT WORKER SANTA ROSA
Organization Name: SANTA ROSA, CITY OF
Address: 625 5th Street
City: SANTA ROSA
Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEPPER, TOM (Continued)

S100179298

Phone Number: 7075433500

Status History:

Global Id: T0609700610
Status: Open - Verification Monitoring
Status Date: 06/16/1993

Global Id: T0609700610
Status: Open - Case Begin Date
Status Date: 07/05/1989

Global Id: T0609700610
Status: Open - Remediation
Status Date: 04/29/1993

Global Id: T0609700610
Status: Open - Remediation
Status Date: 06/16/1993

Global Id: T0609700610
Status: Completed - Case Closed
Status Date: 11/03/1995

Global Id: T0609700610
Status: Open - Site Assessment
Status Date: 07/19/1989

Global Id: T0609700610
Status: Open - Site Assessment
Status Date: 09/20/1989

Global Id: T0609700610
Status: Open - Site Assessment
Status Date: 10/06/1989

Global Id: T0609700610
Status: Open - Site Assessment
Status Date: 06/16/1993

Regulatory Activities:

Global Id: T0609700610
Action Type: Other
Date: 07/05/1989
Action: Leak Discovery

Global Id: T0609700610
Action Type: Other
Date: 07/05/1989
Action: Leak Stopped

Global Id: T0609700610
Action Type: ENFORCEMENT
Date: 09/12/1990
Action: * Historical Enforcement

Global Id: T0609700610

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEPPER, TOM (Continued)

S100179298

Action Type: Other
Date: 07/05/1989
Action: Leak 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: 93582

ENF:

Region: 1
Facility Id: 230094
Agency Name: Not reported
Place Type: Facility
Place Subtype: Groundwater Cleanup Site
Facility Type: All other facilities
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.40957
Place Longitude: -122.71354
SIC Code 1: 2844
SIC Desc 1: Perfumes, Cosmetics, and Other Toilet Preparations
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: Enf Action
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: Not reported
Program Category1: Not reported
Program Category2: TANKS
Of Programs: Not reported
WDID: Not reported
Reg Measure Id: Not reported
Reg Measure Type: Not reported
Region: Not reported
Order #: Not reported
Npdes# CA#: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEPPER, TOM (Continued)

S100179298

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:	Not reported
Status Date:	Not reported
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:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	221391
Region:	1
Order / Resolution Number:	90-183
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/12/1990
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/09/1998
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SR099NUG Hepper, Tom
Description:	PETROLEUM PROD. AFFECTING BENEFICIAL USES OF GW WITH THREATENED CHARGED F/STOCKPILED SOILS.
Program:	UST
Latest Milestone Completion Date:	11/3/1995
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability \$ Amount:	0.00
Project \$ Amount:	0.00
Liability \$ Paid:	0.00
Project \$ Completed:	0.00
Total \$ Paid/Completed Amount:	0.00
Region:	1
Facility Id:	230094
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	38.40957
Place Longitude:	-122.71354
SIC Code 1:	2844

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEPPER, TOM (Continued)

S100179298

SIC Desc 1:	Perfumes, Cosmetics, and Other Toilet Preparations
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:	Enf Action
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:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
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:	Not reported
Status Date:	Not reported
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:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	221136
Region:	1
Order / Resolution Number:	LT951103
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/03/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HEPPER, TOM (Continued)

S100179298

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/03/1995
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 1B1SR099NUG Hepper, Tom
Description:	CASE CLOSURE.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability \$ Amount:	0.00
Project \$ Amount:	0.00
Liability \$ Paid:	0.00
Project \$ Completed:	0.00
Total \$ Paid/Completed Amount:	0.00

HAZNET:

envid:	S100179298
Year:	2013
GEPaid:	CAL000371367
Contact:	RYAN DRAPER
Telephone:	9724095786
Mailing Name:	Not reported
Mailing Address:	8000 BENT BRANCH DR
Mailing City,St,Zip:	IRVING, TX 750630000
Gen County:	Sonoma
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	0.0185
Facility County:	Not reported

envid:	S100179298
Year:	2013
GEPaid:	CAL000371367
Contact:	RYAN DRAPER
Telephone:	9724095786
Mailing Name:	Not reported
Mailing Address:	8000 BENT BRANCH DR
Mailing City,St,Zip:	IRVING, TX 750630000
Gen County:	Sonoma
TSD EPA ID:	INR000110197
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:	0.01
Facility County:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

24
 NNE
 1/2-1
 0.903 mi.
 4766 ft.

ROSELAND UNIVERSITY PREP CHARTER SCHOOL
1777 WEST AVENUE
SANTA ROSA, CA 95407

SCH S105086096
ENVIROSTOR N/A

**Relative:
 Higher**

SCH:

**Actual:
 133 ft.**

Facility ID: 60001798
 Site Type: School Investigation
 Site Type Detail: School
 Site Mgmt. Req.: NONE SPECIFIED
 Acres: 1.8
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Mellan Songco
 Supervisor: Jose Salcedo
 Division Branch: Northern California Schools & Santa Susana
 Site Code: 204253
 Assembly: 07
 Senate: 02
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 12/24/2013
 Restricted Use: NO
 Funding: School District
 Latitude: 38.41926
 Longitude: -122.7309
 APN: 125-431-023
 Past Use: AGRICULTURAL - ORCHARD, DAY CARE FACILITY
 Potential COC: Arsenic, Arsenic, Chlordane, DDD, DDE, DDT, Lead, Toxaphene
 Confirmed COC: 30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO, No
 Contaminants found, 30023-NO
 Potential Description: NMA, SOIL
 Alias Name: 125-431-023
 Alias Type: APN
 Alias Name: 204253
 Alias Type: Project Code (Site Code)
 Alias Name: 60001798
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 10/19/2012
 Comments: On October 16, 2012, DTSC issued a Phase I disapproval letter with a PEA required determination. The PEA will investigate the site for former agriculture activities (OCPs & arsenic), current structures (lead and OCPs), and pole-mounted transformers (PCBs).
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Workplan
 Completed Date: 05/20/2013
 Comments: On May 20, 2013, DTSC approved the PEA workplan for implementation.
 Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)

S105086096

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/13/2013
Comments: On November 13, 2013, DTSC approved the PEA Report with a no further action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/24/2012
Comments: Fully executed EOA sent to the District on Dec 24, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2012
Comments: On October 11, 2012, DTSC conducted a site visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/22/2013
Comments: On August 22, 2013, DTSC issued an Agreement Manager Change letter to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/20/2013
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:

Facility ID: 60001798
Status: No Further Action
Status Date: 12/24/2013
Site Code: 204253
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.8
NPL: NO
Regulatory Agencies: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)

S105086096

Lead Agency: SMBRP
Program Manager: Mellan Songco
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 07
Senate: 02
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.41926
Longitude: -122.7309
APN: 125-431-023
Past Use: AGRICULTURAL - ORCHARD, DAY CARE FACILITY
Potential COC: Arsenic Chlordane DDD DDE DDT Lead Toxaphene
Confirmed COC: 30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30013-NO No
Contaminants found 30023-NO
Potential Description: NMA, SOIL
Alias Name: 125-431-023
Alias Type: APN
Alias Name: 204253
Alias Type: Project Code (Site Code)
Alias Name: 60001798
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/19/2012
Comments: On October 16, 2012, DTSC issued a Phase I disapproval letter with a PEA required determination. The PEA will investigate the site for former agriculture activities (OCPs & arsenic), current structures (lead and OCPs), and pole-mounted transformers (PCBs).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/20/2013
Comments: On May 20, 2013, DTSC approved the PEA workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/13/2013
Comments: On November 13, 2013, DTSC approved the PEA Report with a no further action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/24/2012
Comments: Fully executed EOA sent to the District on Dec 24, 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/02/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSELAND UNIVERSITY PREP CHARTER SCHOOL (Continued)

S105086096

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2012
Comments: On October 11, 2012, DTSC conducted a site visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/22/2013
Comments: On August 22, 2013, DTSC issued an Agreement Manager Change letter to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/20/2013
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

25
North
1/2-1
0.958 mi.
5060 ft.

BURBANK AVENUE ELEMENTARY SCHOOL
1683 BURBANK AVENUE
SANTA ROSA, CA 95407

SCH S107736874
NPDES N/A
ENVIROSTOR

Relative:
Higher

SCH:

Actual:
124 ft.

Facility ID: 70000113
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 11.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jose Salcedo
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Site Code: 204162
Assembly: 10
Senate: 02
Special Program Status: Not reported
Status: Active
Status Date: 08/03/2012
Restricted Use: YES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

Funding: School District
Latitude: 38.42215
Longitude: -122.7354
APN: 125-321-001
Past Use: AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Under Investigation, Arsenic, DDD, DDE, DDT, Lead, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Trichloroethylene (TCE
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs, 30022-NO, Under Investigation, 30027-NO, 30001-NO, 30006-NO, 30007-NO, 30008-NO, Lead
Potential Description: SED, SOIL, SV, SURFW
Alias Name: New Burbank Elementary School
Alias Type: Alternate Name
Alias Name: Roseland Elementary School
Alias Type: Alternate Name
Alias Name: 125-321-001
Alias Type: APN
Alias Name: New Burbank Elementary School
Alias Type: Former Project ID
Alias Name: 110033611731
Alias Type: EPA (FRS #)
Alias Name: 204162
Alias Type: Project Code (Site Code)
Alias Name: 70000113
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 09/05/2007
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/09/2009
Comments: NOE for RAW approved.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2013
Comments: Signatory change on SCA.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/22/2012
Comments: DTSC reviewed the removal action documentation sent by Roseland School District and conducted a site visit on 8/21/2012 to confirm current site conditions. DTSC approved the school for occupancy

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

pending completion of RAW activities and submittal and approval of a RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/16/2006
Comments: Approved the Workplan conditional on submittal of a work notice.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/17/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 06/29/2007
Comments: DTSC approved the SSI Workplan. Project manager gave verbal permission to District to implement SSI Workplan on 6/21/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/07/2008
Comments: DTSC approved the SSI report with a further action determination for lead around the perimeters of two buildings and PAHs in sediments in Roseland Creek, next to Burbank Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/09/2009
Comments: RAW approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 09/21/2007
Comments: 4.15 Form and Partial Site Approval are uploaded under the "Partial Site Approval" activity.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/31/2008
Comments: The DTSC public participation specialist sent the project manager a copy of the formatted Fact Sheet (minus the dates) for the Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 08/29/2008
Comments: PPS sent a PDF of the Final Community Profile.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/27/2008
Comments: Final Public Notice completed and uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/12/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Partial Site Approval
Completed Date: 09/21/2007
Comments: DTSC issued a partial site approval and approved CDE Form SFPD 4.15.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 10/30/2014
Schedule Revised Date: Not reported

NPDES:

Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 1
Regulatory Measure Id: 417267
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 1 49C361523
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 07/26/2011
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 08/30/2012
Discharge Name: Roseland School District
Discharge Address: 1934 Biwana Drive
Discharge City: Santa Rosa
Discharge State: California
Discharge Zip: 95407
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	1
Regulatory Measure Id:	417267
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	1 49C361523

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	08/30/2012
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	07/18/2011
PROCESSED DATE:	07/26/2011
STATUS CODE NAME:	Terminated
STATUS DATE:	09/12/2012
PLACE SIZE:	11.4
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Anthony Reed
FACILITY CONTACT TITLE:	Project Manager
FACILITY CONTACT PHONE:	707-746-8000
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	anthony.reed@lathropconstruction.com
OPERATOR NAME:	Roseland School District
OPERATOR ADDRESS:	1934 Biwana Drive
OPERATOR CITY:	Santa Rosa
OPERATOR STATE:	California
OPERATOR ZIP:	95407
OPERATOR CONTACT NAME:	Gail Ahlas
OPERATOR CONTACT TITLE:	Superintendent
OPERATOR CONTACT PHONE:	707-545-0102
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	gahlas@roselandsd.org
OPERATOR TYPE:	State Agency
DEVELOPER NAME:	Lathrop Construction Associates
DEVELOPER ADDRESS:	4001 Park Road
DEVELOPER CITY:	Benicia
DEVELOPER STATE:	California
DEVELOPER ZIP:	95410
DEVELOPER CONTACT NAME:	Anthony Reed
DEVELOPER CONTACT TITLE:	Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Educational
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

CONSTYPE WATER SEWER IND: Not reported
DIR DISCHARGE USWATER IND: N
RECEIVING WATER NAME: Roseland Creek
CERTIFIER NAME: Gail Ahtas
CERTIFIER TITLE: Superintendent
CERTIFICATION DATE: 18-JUL-11
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

ENVIROSTOR:

Facility ID: 70000113
Status: Active
Status Date: 08/03/2012
Site Code: 204162
Site Type: School Cleanup
Site Type Detailed: School
Acres: 11.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jose Salcedo
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 10
Senate: 02
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 38.42215
Longitude: -122.7354
APN: 125-321-001
Past Use: AGRICULTURAL - ROW CROPS, RESIDENTIAL AREA
Potential COC: Under Investigation Arsenic DDD DDE DDT Lead Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs 30022-NO Under Investigation 30027-NO 30001-NO 30006-NO 30007-NO 30008-NO Lead
Potential Description: SED, SOIL, SV, SURFW
Alias Name: New Burbank Elementary School
Alias Type: Alternate Name
Alias Name: Roseland Elementary School
Alias Type: Alternate Name
Alias Name: 125-321-001
Alias Type: APN
Alias Name: New Burbank Elementary School
Alias Type: Former Project ID
Alias Name: 110033611731
Alias Type: EPA (FRS #)
Alias Name: 204162
Alias Type: Project Code (Site Code)
Alias Name: 70000113
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

Completed Document Type: School Cleanup Agreement
Completed Date: 09/05/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/09/2009
Comments: NOE for RAW approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2013
Comments: Signatory change on SCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/22/2012
Comments: DTSC reviewed the removal action documentation sent by Roseland School District and conducted a site visit on 8/21/2012 to confirm current site conditions. DTSC approved the school for occupancy pending completion of RAW activities and submittal and approval of a RACR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/16/2006
Comments: Approved the Workplan conditional on submittal of a work notice.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/17/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 06/29/2007
Comments: DTSC approved the SSI Workplan. Project manager gave verbal permission to District to implement SSI Workplan on 6/21/07.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/07/2008
Comments: DTSC approved the SSI report with a further action determination for lead around the perimeters of two buildings and PAHs in sediments in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BURBANK AVENUE ELEMENTARY SCHOOL (Continued)

S107736874

Roseland Creek, next to Burbank Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/09/2009
Comments: RAW approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 09/21/2007
Comments: 4.15 Form and Partial Site Approval are uploaded under the "Partial Site Approval" activity.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/31/2008
Comments: The DTSC public participation specialist sent the project manager a copy of the formatted Fact Sheet (minus the dates) for the Removal Action Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 08/29/2008
Comments: PPS sent a PDF of the Final Community Profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/27/2008
Comments: Final Public Notice completed and uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 09/12/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Partial Site Approval
Completed Date: 09/21/2007
Comments: DTSC issued a partial site approval and approved CDE Form SFPD 4.15.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 10/30/2014
Schedule Revised Date: Not reported

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
--	------	-------------	--------------------------------

26 WNW 1/2-1 0.960 mi. 5069 ft.	DAN & KATHY GREGORY 2295 WEST HEARN SANTA ROSA, CA 93582	Notify 65	S100179353 N/A
--	---	------------------	---------------------------------

Relative: Lower	NOTIFY 65: Date Reported: Not reported Staff Initials: Not reported Actual: 103 ft.
	Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 93582

27 West 1/2-1 0.986 mi. 5206 ft.	1101 YUBA DRIVE SANTA ROSA, CA 93582	Notify 65	S100179447 N/A
---	---	------------------	---------------------------------

Relative: Lower	NOTIFY 65: Date Reported: Not reported Staff Initials: Not reported Actual: 101 ft.
	Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 93582

28 NW 1/2-1 0.995 mi. 5251 ft.	ANGIE KENDALL 2611 GIFFEN AVENUE SANTA ROSA, CA 93582	Notify 65	S100179177 N/A
---	--	------------------	---------------------------------

Relative: Higher	NOTIFY 65: Date Reported: Not reported Staff Initials: Not reported Actual: 112 ft.
	Board File Number: Not reported Facility Type: Not reported Discharge Date: Not reported Incident Description: 93582

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SANTA ROSA	S115779967	MEADOW VIEW EXPANSION, HEARN AVE.	1550 & 1590 HEARN AVENUE	95407	SCH, ENVIROSTOR
SANTA ROSA	S105051171	SANTA ROSA COMMUNITY DEVELOPMENT S	LUDWIG ROAD/WRIGHT ROAD/HIGHWA	0	SLIC
SANTA ROSA	S104857226	AHL PROPERTY	STONY POINT ROAD 5307		LUST

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.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 07/20/2015
	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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

Federal CERCLIS list

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

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: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	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: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/18/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Varies

Federal ERNS list

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: 03/30/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 03/31/2015	Telephone: 202-267-2180
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 05/18/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-341-6320
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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

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 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
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
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 Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
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
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

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.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

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: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/03/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	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: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/13/2015	Source: SWRCB
Date Data Arrived at EDR: 03/18/2015	Telephone: 916-341-5851
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/22/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Quarterly

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: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6137
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

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: 02/03/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 04/30/2015	Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/28/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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)

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	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: 04/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 05/26/2015	Telephone: 312-886-6136
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

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).

Date of Government Version: 05/06/2015	Source: EPA Region 10
Date Data Arrived at EDR: 05/19/2015	Telephone: 206-553-2857
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/10/2015
	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: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	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: 03/17/2015	Source: EPA Region 6
Date Data Arrived at EDR: 05/01/2015	Telephone: 214-665-7591
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/13/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	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: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 04/02/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/13/2015
	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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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: 03/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/24/2015	Telephone: 202-566-2777
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 03/24/2015
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
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
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

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: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

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.

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: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

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.

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 05/29/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Quarterly

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

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 05/05/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/17/2015
	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

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: 12/31/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-255-6504
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 04/13/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 05/29/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/01/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Annually

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

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

Local Land Records

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

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: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

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: 04/14/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/21/2015
Number of Days to Update: 22

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 03/13/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/18/2015	Telephone: 866-480-1028
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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: 03/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2015	Telephone: (415) 495-8895
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

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: 05/05/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2015
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/27/2015
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
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: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
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
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

US 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: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
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: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
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: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/27/2015
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: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
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: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
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: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/20/2015
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).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	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: 02/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 202-564-8600
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/10/2015
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/29/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Biennially

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

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014	Source: Department of Conservation
Date Data Arrived at EDR: 12/15/2014	Telephone: 916-445-2408
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/19/2015
Number of Days to Update: 45	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-445-9379
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

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: 03/10/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/31/2015	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/13/2015
	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 [CAL SITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 06/17/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: No Update Planned

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: 02/18/2015	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 02/20/2015	Telephone: 916-327-4498
Date Made Active in Reports: 03/12/2015	Last EDR Contact: 06/05/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Annually

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: 06/22/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/30/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/01/2015	Telephone: 916-445-9379
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

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. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/15/2014	Telephone: 916-255-1136
Date Made Active in Reports: 11/19/2014	Last EDR Contact: 04/17/2015
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/27/2015
	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: 12/31/2012	Source: California Air Resources Board
Date Data Arrived at EDR: 03/25/2014	Telephone: 916-322-2990
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 03/27/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Varies

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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Semi-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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/21/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/07/2015
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/26/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2015	Telephone: 916-323-3400
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/28/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

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: 04/13/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/15/2015	Telephone: 916-440-7145
Date Made Active in Reports: 04/23/2015	Last EDR Contact: 04/15/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant 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: 04/15/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

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: 01/16/2015	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-558-1784
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 06/09/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/21/2015
	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: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/12/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/14/2015
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/16/2015	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2015	Telephone: 916-323-3836
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

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: 05/01/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/30/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/01/2015	Telephone: 916-255-3628
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

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: 05/18/2015	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 05/22/2015	Telephone: 916-341-6066
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/18/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/31/2015
	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: 03/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-566-1917
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 05/14/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
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: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

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: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: N/A

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive 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

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 7

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/21/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 36

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
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: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 33

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
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.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
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.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
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: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 33

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 17

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/20/2015
Next Scheduled EDR Contact: 08/03/2015
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: 04/15/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 40

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 03/06/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 16

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/14/2015
Date Data Arrived at EDR: 04/23/2015
Date Made Active in Reports: 05/11/2015
Number of Days to Update: 18

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 17

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 10

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 03/06/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 4

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/12/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 09/21/2015
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: 04/28/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/28/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
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: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
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: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/02/2015
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
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: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
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: 06/03/2015
Next Scheduled EDR Contact: 09/21/2015
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: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/24/2015
Date Data Arrived at EDR: 03/25/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 6

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/10/2015
Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
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: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/15/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 7

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

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: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

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: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
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: 03/13/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 5

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 6

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/22/2015	Telephone: 805-654-2813
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/18/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/31/2015
	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: 04/02/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Annually

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: 05/18/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/31/2015
	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: 04/27/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/29/2015	Telephone: 805-654-2813
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/10/2015
	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: 02/27/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 03/18/2015	Telephone: 805-654-2813
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/01/2015	Telephone: 530-666-8646
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
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.

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: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/29/2015
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
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: 05/01/2015
Date Data Arrived at EDR: 05/06/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Telephone: 281-546-1505

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: 800-823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BELLEVUE RANCH & SOUTHWEST ESTATES
2903 DUTTON MEADOW & 533 BELLEVUE AVENUE
SANTA ROSA, CA 95407

TARGET PROPERTY COORDINATES

Latitude (North): 38.4059 - 38° 24' 21.24"
Longitude (West): 122.7322 - 122° 43' 55.92"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 523382.6
UTM Y (Meters): 4250679.5
Elevation: 111 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 38122-D6 SANTA ROSA, CA
Most Recent Revision: 1999

West Map: 38122-D7 SEBASTOPOL, CA
Most Recent Revision: 1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

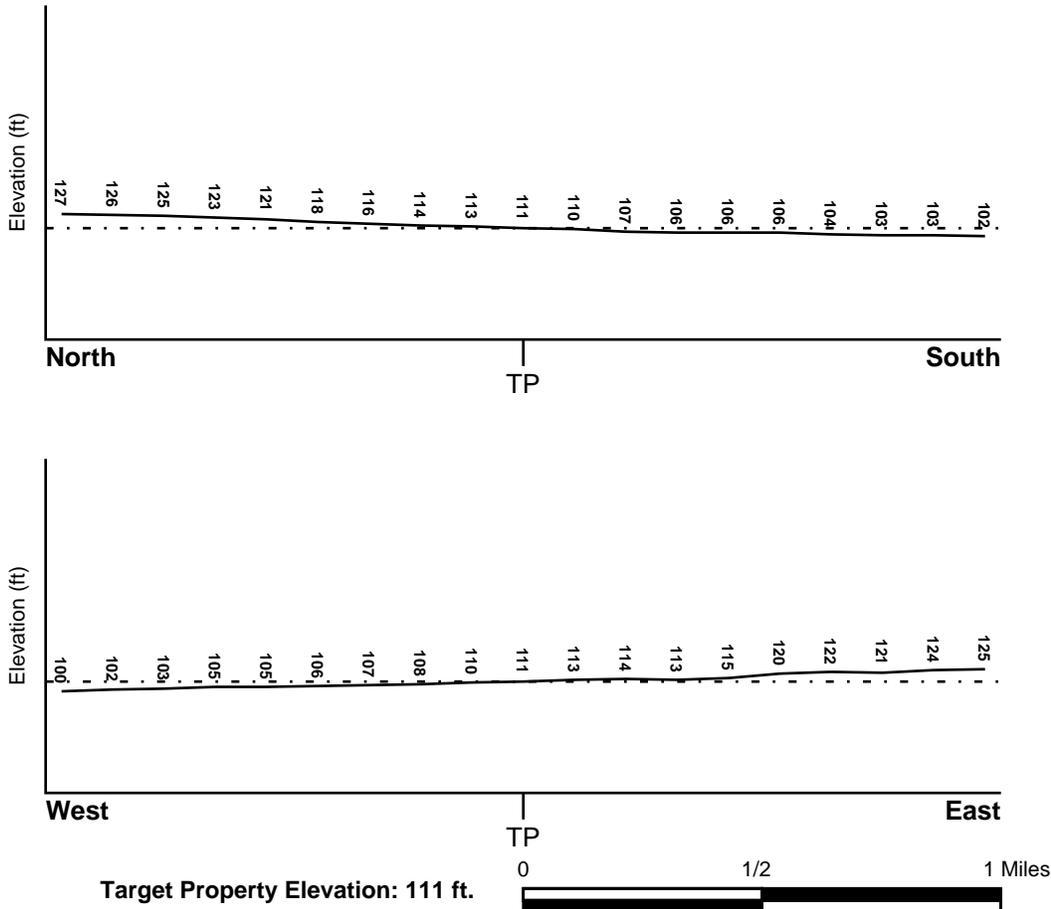
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> SONOMA, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06097C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> SANTA ROSA	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	--

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles East
Site Name:	Golden Technology
Site EPA ID Number:	CAD983644915
Groundwater Flow Direction:	SW TOWARD THE LAGUNA DE SANTA ROSA ON A REGIONAL BASIS WITH VARIATIONS TO THE WEST AND NORTHWEST.
Inferred Depth to Water:	15 feet.
Hydraulic Connection:	The shallow water table aquifer and lower aquifers are interconnected via wells screened in both aquifers.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
B6	1/2 - 1 Mile NE	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
B7	1/2 - 1 Mile NE	Varies
C9	1/2 - 1 Mile ENE	S
10	1/2 - 1 Mile NE	Not Reported
C11	1/2 - 1 Mile ENE	Not Reported
13	1/2 - 1 Mile SSE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

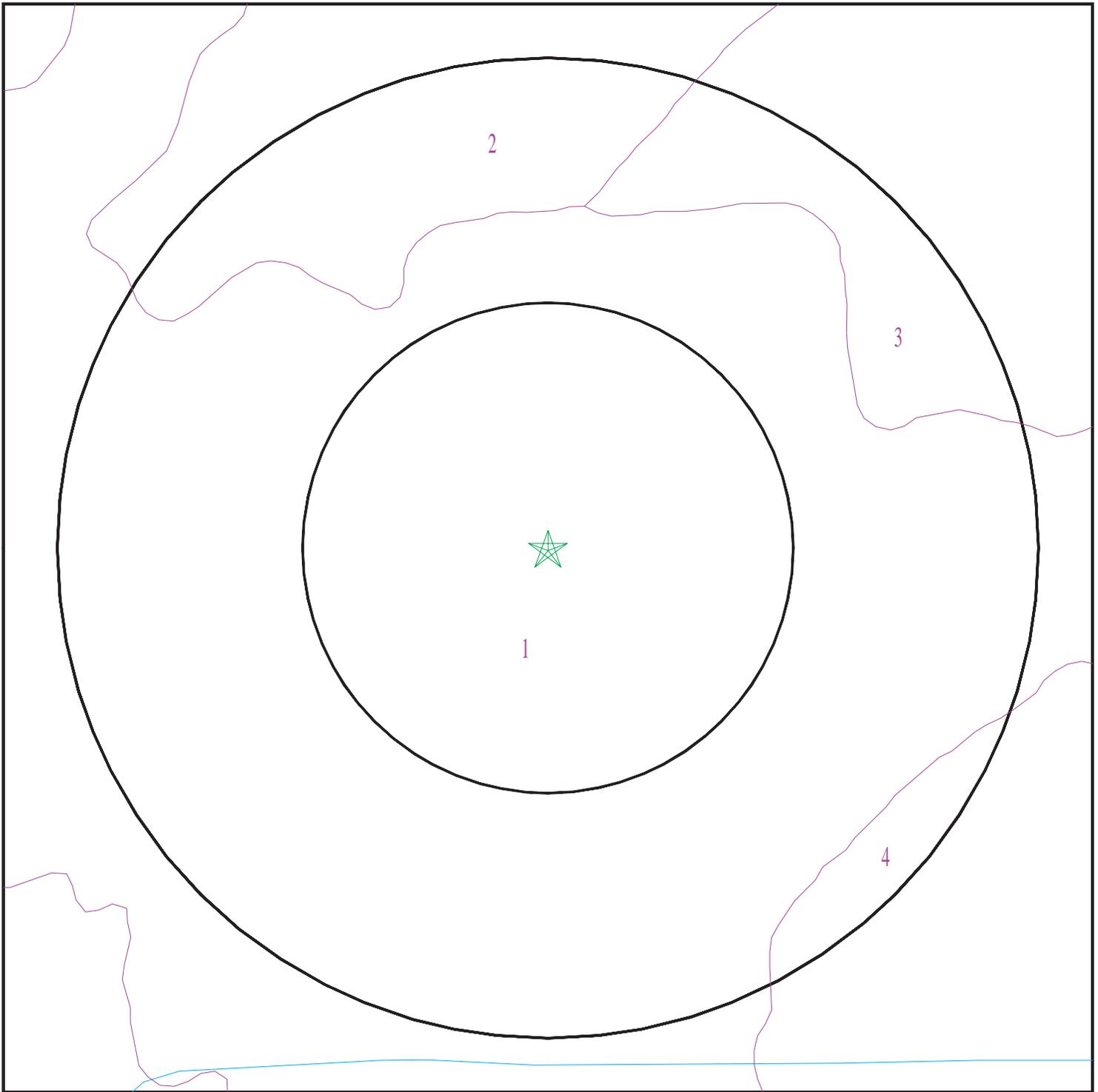
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4341414.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Bellevue Ranch & Southwest Estates
ADDRESS: 2903 Dutton Meadow & 533 Bellevue Avenue
Santa Rosa CA 95407
LAT/LONG: 38.4059 / 122.7322

CLIENT: Partner Engineering and Science, Inc.
CONTACT: Lisa Armstrong
INQUIRY #: 4341414.2s
DATE: June 30, 2015 3:20 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CLEAR LAKE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
2	12 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: ZAMORA

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
2	5 inches	29 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
3	29 inches	40 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
4	40 inches	55 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
5	55 inches	59 inches	gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 6.6

Soil Map ID: 3

Soil Component Name: CLEAR LAKE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	38 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
2	38 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: WRIGHT

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	7 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 6 Min: 5.1
3	14 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.42 Min: 0.01	Max: 7.3 Min: 4.5
4	61 inches	72 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
_____	_____	_____

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000188115	1/4 - 1/2 Mile SSE
14	USGS40000188233	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

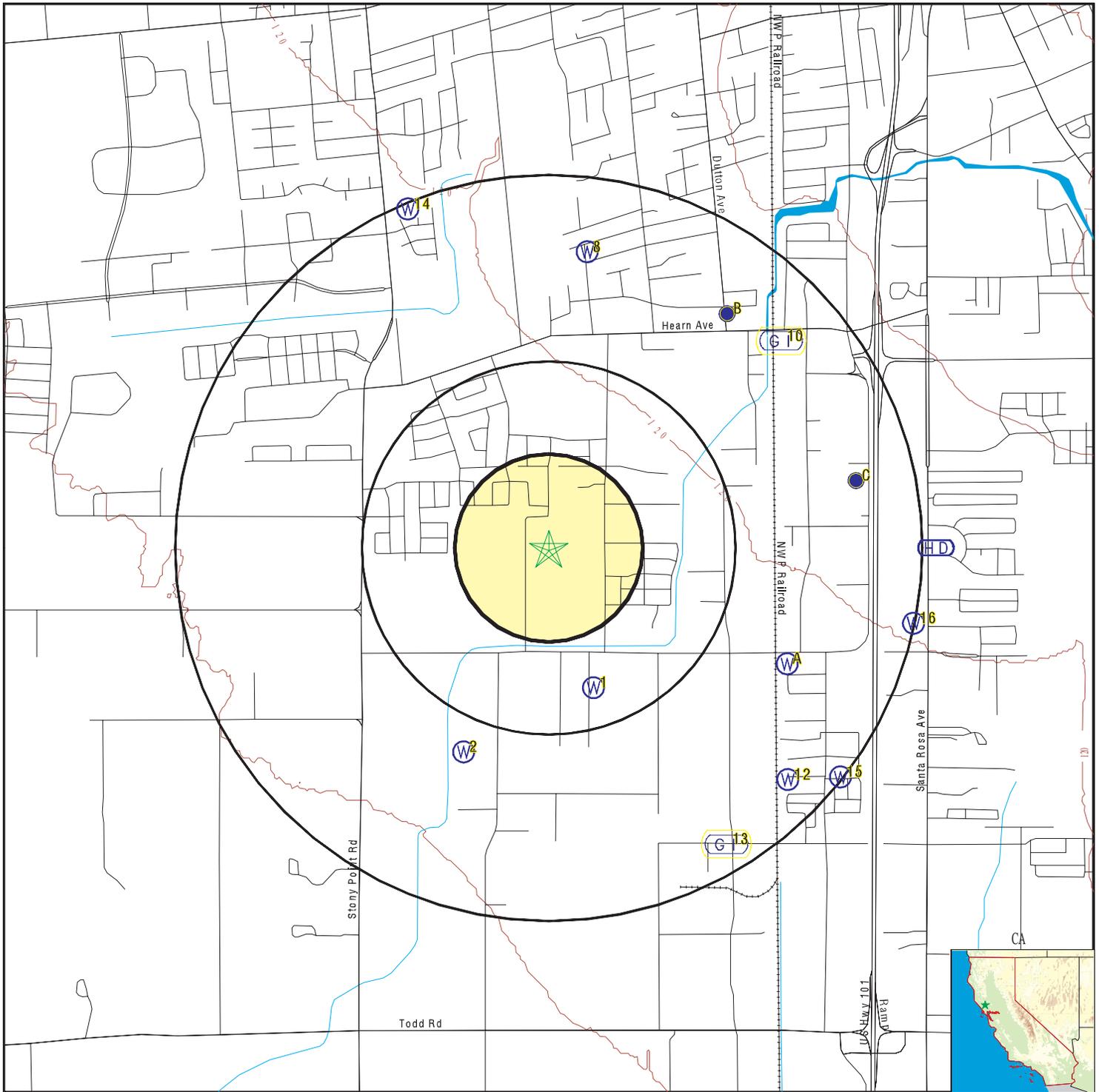
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	6618	1/2 - 1 Mile SSW
A3	6605	1/2 - 1 Mile ESE
A4	6606	1/2 - 1 Mile ESE
A5	6607	1/2 - 1 Mile ESE
8	7417	1/2 - 1 Mile North
12	CADW50000031588	1/2 - 1 Mile SE
15	CADW50000031589	1/2 - 1 Mile SE
16	7431	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 4341414.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Bellevue Ranch & Southwest Estates
 ADDRESS: 2903 Dutton Meadow & 533 Bellevue Avenue
 Santa Rosa CA 95407
 LAT/LONG: 38.4059 / 122.7322

CLIENT: Partner Engineering and Science, Inc.
 CONTACT: Lisa Armstrong
 INQUIRY #: 4341414.2s
 DATE: June 30, 2015 3:20 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SSE **FED USGS** **USGS40000188115**
1/4 - 1/2 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-382402122434401		
Monloc name:	006N008W03B001M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18010110	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.4004686
Longitude:	-122.7299877	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	106
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19500921	Welldepth:	60
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1950-09-21	24.00	

2
SSW **CA WELLS** **6618**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	06N/08W-03F01 M	User ID:	RXR
FRDS Number:	4900693001	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382353.0 1224407.0	Precision:	100 Feet (one Second)
Source Name:	WELL 01		
System Number:	4900693		
System Name:	Bellevue Union Sch Dist-Bellevue School		
Organization That Operates System:	3223 PRIMROSE AVE. SANTA ROSA, CA 95407		
Pop Served:	585	Connections:	1
Area Served:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09-AUG-13	Findings:	12. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-APR-14	Findings:	. 5.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	04-APR-14	Findings:	. 13. MG/L
Chemical:	NITRATE (AS NO3)		

A3
ESE
1/2 - 1 Mile
Higher

CA WELLS 6605

Water System Information:

Prime Station Code:	06N/08W-02D03 M	User ID:	49C
FRDS Number:	4900942001	County:	Sonoma
District Number:	79	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382406.0 1224311.0	Precision:	10 Feet (1/10 Second)
Source Name:	WELL 01		
System Number:	4900942		
System Name:	BELLEVIEW ST WS		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

A4
ESE
1/2 - 1 Mile
Higher

CA WELLS 6606

Water System Information:

Prime Station Code:	06N/08W-02D05 M	User ID:	RXR
FRDS Number:	4900913001	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382405.0 1224311.0	Precision:	10 Feet (1/10 Second)
Source Name:	WELL 01		
System Number:	4900913		
System Name:	Robin Way Water System		
Organization That Operates System:	P.O. BOX 2517 GUERNEVILLE, CA 95446		
Pop Served:	32	Connections:	16
Area Served:	Not Reported		
Sample Collected:	03-AUG-11	Findings:	10. UNITS
Chemical:	COLOR		
Sample Collected:	03-AUG-11	Findings:	570. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03-AUG-11	Findings:	6.9
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03-AUG-11	Findings:	200. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	03-AUG-11	Findings:	250. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03-AUG-11	Findings:	200. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	03-AUG-11	Findings:	26. MG/L
Chemical:	CALCIUM		
Sample Collected:	03-AUG-11	Findings:	33. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03-AUG-11	Findings:	28. MG/L
Chemical:	SODIUM		
Sample Collected:	03-AUG-11	Findings:	30. MG/L
Chemical:	CHLORIDE		
Sample Collected:	03-AUG-11	Findings:	0.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03-AUG-11	Findings:	260. UG/L
Chemical:	COPPER		
Sample Collected:	03-AUG-11	Findings:	340. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03-AUG-11	Findings:	23. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	03-AUG-11	Findings:	0.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03-AUG-11	Findings:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03-AUG-11	Findings:	1.04 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03-AUG-11	Findings:	1.74 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	29-SEP-11	Findings:	19. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	31-JUL-12	Findings:	19. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	21-SEP-12	Findings:	16. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	26-DEC-12	Findings:	18. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	30-JUN-13	Findings:	20. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	27-SEP-13	Findings:	17. MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	29-DEC-13	Findings:	15. MG/L
Chemical:	NITRATE (AS NO ₃)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	30-MAR-14	Findings:	. 24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	30-JUN-14	Findings:	. 21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	26-AUG-14	Findings:	. 460. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	26-AUG-14	Findings:	. 6.7
Chemical:	PH, LABORATORY		
Sample Collected:	26-AUG-14	Findings:	. 230. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	26-AUG-14	Findings:	. 280. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	26-AUG-14	Findings:	. 190. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	26-AUG-14	Findings:	. 24. MG/L
Chemical:	CALCIUM		
Sample Collected:	26-AUG-14	Findings:	. 32. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	26-AUG-14	Findings:	. 30. MG/L
Chemical:	SODIUM		
Sample Collected:	26-AUG-14	Findings:	. 28. MG/L
Chemical:	CHLORIDE		
Sample Collected:	26-AUG-14	Findings:	. 0.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	26-AUG-14	Findings:	. 130. UG/L
Chemical:	BARIUM		
Sample Collected:	26-AUG-14	Findings:	. 370. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	26-AUG-14	Findings:	. 0.16 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	26-AUG-14	Findings:	. 10.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	30-SEP-14	Findings:	. 25. MG/L
Chemical:	NITRATE (AS NO3)		

**A5
ESE
1/2 - 1 Mile
Higher**

CA WELLS 6607

Water System Information:

Prime Station Code:	06N/08W-02D06 M	User ID:	RXR
FRDS Number:	4900861001	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	382405.0 1224307.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 4900861
 System Name: TROY-BREEZE WATER SYSTEM
 Organization That Operates System:
 166 BELLEVUE AVE.
 SANTA ROSA, CA 95401
 Pop Served: 25
 Area Served: Not Reported
 Connections: 12

**B6
NE
1/2 - 1 Mile
Higher**

Site ID:	Not Reported		
Groundwater Flow:	Not Reported	AQUIFLOW	54562
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	13		
Date:	12/08/1995		

**B7
NE
1/2 - 1 Mile
Higher**

Site ID:	Not Reported		
Groundwater Flow:	Varies	AQUIFLOW	54560
Shallow Water Depth:	8		
Deep Water Depth:	12		
Average Water Depth:	Not Reported		
Date:	05/11/1990		

**8
North
1/2 - 1 Mile
Higher**

CA WELLS 7417

Water System Information:

Prime Station Code:	07N/08W-27G02 M	User ID:	RXR
FRDS Number:	4900834001	County:	Sonoma
District Number:	03	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382503.0 1224345.0	Precision:	100 Feet (one Second)
Source Name:	WELL 01		
System Number:	4900834		
System Name:	Chelsea Garden Apartments		
Organization That Operates System:	1220 Mc MINN ST. SANTA ROSA, CA 95407		
Pop Served:	240	Connections:	80
Area Served:	Not Reported		

**C9
ENE
1/2 - 1 Mile
Higher**

Site ID:	Not Reported		
Groundwater Flow:	S	AQUIFLOW	70239
Shallow Water Depth:	11		
Deep Water Depth:	14		
Average Water Depth:	Not Reported		
Date:	06/26/1998		

**10
NE
1/2 - 1 Mile
Higher**

Site ID:	Not Reported		
Groundwater Flow:	Not Reported	AQUIFLOW	70957
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	17		
Date:	09/02/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

**C11
ENE
1/2 - 1 Mile
Higher**

Site ID: Not Reported
Groundwater Flow: Not Reported
Shallow Water Depth: 10
Deep Water Depth: 20
Average Water Depth: Not Reported
Date: 08/11/1998

AQUIFLOW 70237

**12
SE
1/2 - 1 Mile
Higher**

Latitude : 38.3969
Longitude : 122.7204
Site code: 383969N1227204W001
Local well: Not Reported
County id: 49
Basin cd: 1-55.01
Org unit n: North Central Region Office

Casgem sta: 06N08W02E002M
Casgem s 1: Residential
Basin desc: Santa Rosa Plain
Site id: CADW50000031588

CA WELLS CADW50000031588

**13
SSE
1/2 - 1 Mile
Lower**

Site ID: Not Reported
Groundwater Flow: Not Reported
Shallow Water Depth: 10
Deep Water Depth: 15
Average Water Depth: Not Reported
Date: 10/30/1996

AQUIFLOW 54019

**14
NNW
1/2 - 1 Mile
Higher**

Org. Identifier: USGS-CA
Formal name: USGS California Water Science Center
Monloc Identifier: USGS-382509122441701
Monloc name: 007N008W27N002M
Monloc type: Well
Monloc desc: Not Reported
Huc code: 18010110
Drainagearea Units: Not Reported
Contrib drainagearea units: Not Reported
Longitude: -122.7391545
Horiz Acc measure: 5
Horiz Collection method: Interpolated from map
Horiz coord refs: NAD83
Vert measure units: feet
Vert accmeasure units: feet
Vertcollection method: Interpolated from topographic map
Vert coord refs: NGVD29
Aquifername: California Coastal Basin aquifers
Formation type: Not Reported

Drainagearea value: Not Reported
Contrib drainagearea: Not Reported
Latitude: 38.4190793
Sourcemap scale: 24000
Horiz Acc measure units: seconds
Vert measure val: 116
Vertacc measure val: 10
Countrycode: US

FED USGS USGS40000188233

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	65
Construction date:	19730627	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1973-06-27	18.00	

**15
SE
1/2 - 1 Mile
Higher**

CA WELLS CADW50000031589

Latitude :	38.397	Casgem sta:	06N08W02E001M
Longitude :	122.7178	Casgem s 1:	Residential
Site code:	383970N1227178W001		
Local well:	Not Reported		
County id:	49	Basin desc:	Santa Rosa Plain
Basin cd:	1-55.01	Site id:	CADW50000031589
Org unit n:	North Central Region Office		

**16
ESE
1/2 - 1 Mile
Higher**

CA WELLS 7431

Water System Information:

Prime Station Code:	07N/08W-35P03 M	User ID:	49C
FRDS Number:	Not Reported	County:	Sonoma
District Number:	79	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382411.0 1224247.0	Precision:	100 Feet (one Second)
Source Name:	WELL 01 SITE 05		
System Number:	4900115		
System Name:	STEVENSON EQUIPMENT CO.		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95407	18	0

Federal EPA Radon Zone for SONOMA 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 Zip Code: 95407

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.475 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

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).

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.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX D: QUALIFICATIONS

Christopher Olsen
Partner Associate



Education

BA – Environmental Studies – University of California at Santa Barbara
MBA – Finance and Marketing – Santa Clara University, Leavey School of Business

Registrations

Asbestos Building Inspector

Summary of Professional Experience

Mr. Olsen has over 16 years of experience in the environmental consulting industry. Beginning in the early 1990s, Mr. Olsen worked for various San Jose based environmental firms as a research analyst, gathering government agency, historical research and geologic information utilized in ESAs. In the late 1990s through early 2000s he managed the day-to-day operations of a team of research analyst and GIS related research and projects. From the early 2000s through the present, Mr. Olsen has been conducting and performing Phase I ESAs and subsurface investigations for various national environmental consulting firms.

He has significant experience in due diligence assessments for a variety of property types and the needs and requirements of varied number of reporting standards, including ASTM standards, EPA's All Appropriate Inquiry (AAI), and customized client formats. Specifically, Mr. Olsen has performed Phase I Environmental Site Assessments, Environmental Transaction Screens, Property Condition Assessments (PCAs), Asbestos Surveys, Lead-based Paint Surveys, Radon Studies, Mold Assessments, and Lead-in-water sampling and analysis.

Mr. Olsen has completed several hundred Phase I Environmental Site Assessments on residential, retail, office, hospitality, and industrial facilities throughout the United States, with the majority of the assessments conducted within the State of California. Mr. Olsen recently conducted Phase I Environmental Site Assessments on a 1.2 million square foot Westfield Shoppingtown mall (Oakridge Mall, San Jose, California) and a 26-story office tower in San Francisco, California.

Finally, Mr. Olsen's diversity across residential, industrial, municipal, and commercial environments is a major contribution to Partner Engineering and Science's Associate team in the West, Southwest, and Pacific Northwest regions of the United States.

David P. Boyce
Project Manager



Education

B.A Political Science, University of South Carolina 1998
Classes included Constitutional Law, Politics, Pre-Law, Geology, Environmental Sciences, English, German, History, French Literature, Philosophy, and Logic.

Registrations

AHERA Building Inspector
MSHA Certified
40-Hour HAZWOPER Certification

Summary of Professional Experience

Mr. Boyce has 7 years of experience in the environmental, engineering, and/or industrial hygiene service industry. He has significant experience in due diligence assessments for a variety of property types and the needs and requirements of varied number of reporting standards, including ASTM standards, EPA's All Appropriate Inquiry (AAI), and customized client formats. Specifically, Mr. Boyce has performed Phase I Environmental Site Assessments, Environmental Transaction Screens, Phase II and III Subsurface Investigations, Regulatory Compliance Assessments, Asbestos Surveys, Lead-based Paint Surveys, Radon Studies, Mold Assessments, and Lead-in-water sampling and analysis.

Mr. Boyce served as a senior staff environmental scientist/project manager on several Phase I and Phase II Environmental Site Assessments (ESAs) for numerous banking entities, municipalities, law firms, and a variety of commercial businesses throughout the United States. Mr. Boyce has conducted oversight of underground storage tank (UST) removals throughout Arizona, asbestos abatements, drywell investigations, polychlorinated biphenyl (PCB) sampling, herbicide and pesticide sampling, geotechnical sampling, and soil remediation activities (Former Industrial Plating Facilities and a Former Military Airport). Previous projects were located throughout Arizona, California, Colorado, New Mexico, South Dakota, and Texas. Duties included maintaining project budgets, environmental sampling, training of field staff, and producing technical reports in a timely manner while maintaining excellent client relations.

Mr. Boyce also served as a senior staff environmental scientist/project manager on several Industrial Hygiene related projects. Projects included asbestos, microbial remediation, and lead-based paint, and industrial hygiene (plating and paint mixing facilities) related projects, including sampling, report preparation, and senior review for numerous banking entities, municipalities, law firms, and a variety of commercial businesses throughout the United States.

Finally, Mr. Boyce's diversity across residential, industrial, municipal, and commercial environments is a major contribution to Partner Engineering and Science's Associate team in the Southwest region of the United States.

Jenny Redlin, REPA
Principal



Education

B.S. in Biological Sciences, University of California Santa Barbara, Distinction in Major

Registrations

Registered Environmental Assessor (REA)
OSHA 40-Hour Health and Safety Training

Affiliations

Member, Environmental Bankers Association
Member, Mortgage Banker's Association
Member, All Star Group, Income Property Lending

Summary of Professional Experience

Ms. Redlin has more than 11 years of experience in the environmental consulting industry. Her background in environmental science, in addition to her knowledge of current environmental regulations, allows her to offer the most efficient and cost-effective means of regulatory compliance. Ms. Redlin has extensive experience managing all aspects of due diligence, specializing in environmental due diligence, for nationwide and local clients such as:

- Residential Developers
- Commercial Developers
- Mortgage Brokers
- Real Estate Brokers
- Individual Property Owners and Buyers
- Financial Institutions including:
 - Portfolio Lenders
 - SBA Lenders
 - HUD Lenders
 - Fannie Mae Lenders
 - Freddie Mac Lenders
 - Private Equity Funds
 - Insurance Lenders

Ms. Redlin has gained valuable knowledge and know-how from having been personally involved in the details of thousands of real estate transactions for various client types, and therefore understands the specific needs and scopes of work required for all parties involved in a transaction.

Ms. Redlin has served as an environmental scientist, project manager, or executive senior author on over 5,000 real estate transactions. Ms. Redlin's due diligence resume includes experience at all levels, advising lenders and real estate investors through the following product types:

- Phase I Environmental Site Assessments
- Phase II Subsurface Investigations
- Phase III Site Characterizations
- Remedial Cost Estimates
- Remediation Design and Implementation
- Environmental Transaction Screens
- Property Condition Assessments
- Probable Maximum Loss Assessments
- Property Condition Evaluations

Ms. Redlin has extensive experience in testing soil, soil gas, and groundwater in the context of a real estate transaction, as well as under the supervision of state and federal regulators. Among her specialties is guiding landowners and prospective purchasers through the process of selling or acquiring an environmentally challenged site.

Ms. Redlin has participated in the characterization of groundwater and soil contamination; quarterly groundwater monitoring; implementation of various systems such as soil vapor extraction systems, dual phase extraction systems, ozone sparging, air sparging, pump and treat; and soil excavation projects such as tank removals at several clean-up sites in Los Angeles and Orange County.

Real estate investors, redevelopment agencies, financial institutions, insurance lenders, and real estate equity funds have come to rely on her advice and judgment to help them with their real estate business decisions.

Ms. Redlin also has extensive experience in environmental compliance monitoring and biological consulting. She has extensive experience working as an independent contractor for and in conjunction with state and local agencies such as Santa Barbara County Parks, California Department of Fish and Game, California Public Utilities Commission, Los Angeles Water and Sanitation and others. This included monitoring construction activities near sensitive biological receptors; containing, quantifying and reporting any hazardous material spills that occurred; working with construction crews to ensure compliance with environmental permit regulations as well as reporting to interested parties on the progress and compliance of the project.

Ms. Redlin is a dedicated professional who takes pride and pleasure in meeting her client's needs.

Distinctions

Ms. Redlin was named Real Estate Southern California Woman of Influence in 2008 for her role in the area's commercial real estate transactions.

Ms. Redlin has been designated a 2009 California Mortgage Bankers Association (CMBA) Future Leader.

Ms. Redlin was one of only two consultants asked to sit on the Risk Managers Association (RMA) Credit Committee roundtable which discussed the effects of the new Federal All Appropriate Inquiries (AAI) standard on Phase I Environmental Site Assessments.

Distinction in Brownfield Profile

Publications

[Granite Distributor Sponsors Radon Granite Testing Project, Stone World, December 2008](#)

Presenter

Income Property Lending Conferences- Regular Presenter

APPENDIX F

Focused Traffic Analysis

TECHNICAL MEMORANDUM

To: Jay Ryder, Ryder Homes
From: Sabita Tewani, Transportation Planner
Dennis Pascua, Transportation Services Manager
Subject: Focused Traffic Analysis for the Bellevue Ranch 7 Project
Date: January 25, 2018
cc: Darcey Rosenblatt, Senior Project Manager
Attachments: Figures 1–5
City of Santa Rosa Comment Letter dated November 6, 2017

Per comments provided by the City of Santa Rosa, the following Focused Traffic Analysis has been prepared for the Bellevue Ranch 7 (proposed project) located at 2903 Dutton Meadow Drive in the City of Santa Rosa (City). This memorandum includes an analysis of the following project components:

- Trip generation and distribution
- Site circulation analysis
- Sight distance analysis and traffic control at the project access
- Pedestrian, bicycle and transit accessibility analysis

The memorandum responds to the City's comment letter dated November 6, 2017. A copy of the comment letter is attached to this memorandum.

PROJECT DESCRIPTION

The proposed project would include the demolition of an existing single-family residence and development of 30 single-family homes with up to seven accessory dwelling units on the 5.75-acre project site in the City of Santa Rosa. The site is located at 2903 Dutton Meadow Drive in southwest portion of the City. Figure 1 shows the project site location and study area.

Access to the project would be via Dutton Meadow Drive. The proposed project would also include construction of new roadways including Vintana Drive, Common Way, Countryside Lane, and Crosswinds Way. The project would provide 60 garage/covered spaces (plus an

additional possible 30 driveway spaces) and 61 on-street parking spaces. Of the 61 on-street parking spaces, 35 new on-street parking spaces would be for house fronts, and 26 on-street parking spaces would be on Vintana Drive.

The proposed project falls under the influence of the City of Santa Rosa General Plan 2035 (adopted in November 2009) and the City of Santa Rosa Municipal Code. Per Santa Rosa General Plan 2035, Dutton Meadow is a Transitional/Collector Street that connects residential neighborhoods to town centers, commercial centers and other neighborhoods. Near the project site, Dutton Meadow is a two-lane north south street. It has a posted speed limit of 35 miles per hour (mph). Per traffic counts available on City’s website, the average daily traffic (ADT) along Dutton Meadow Drive, between Hearn Avenue and Bellevue Avenue, is 3,925 ADT. Other roadways that provide local and regional access to the project site are Bellevue Avenue, Hearn Avenue, and Redwood Highway (US-101).

TRIP GENERATION

There is an existing single-family residence on the proposed project site; however, to be conservative, the trip generation estimates provided below do not take reductions of existing trips generated from the site. Table 1 provides a summary of trip generation estimates for the project based on the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 10th Edition*.

**Table 1
Trip Generation Summary**

Trip Generation Rates									
Land Use	Daily Trip Rate	Unit	AM Peak Hour			PM Peak Hour			
			% In	% Out	Total	% In	% Out	Total	
Single Family Residential	9.44	DU	25%	75%	0.74	63%	37%	0.99	
Trip Generation									
Land Use	Total No. of Units	Unit	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Single Family Residential	30	DU	283	6	16	22	19	11	30

Source: ITE *Trip Generation, 10th Edition*.
DU – Dwelling Unit

Per the table, the proposed project would generate approximately 283 daily trips, with 22 trips (6 inbound and 16 outbound) produced in the AM peak hour, and 30 trips (19 inbound and 11 outbound) produced in the PM peak hour.

TRIP DISTRIBUTION AND ASSIGNMENT

Trip distribution for the project was estimated based on project's location and setting, surrounding land uses, existing daily traffic volumes along roadways (such as Bellevue Avenue, Hearn Avenue and Dutton Meadow Drive), and logical commute corridors. Approximately 70 % of the project traffic is forecast to travel north along Dutton Meadow, and approximately 30 % is forecast to travel south along Dutton Meadow. Based on the existing land uses and roadway network near the project site, most of the project traffic is forecast to travel north and/or east, which is 60 % and 25 %, respectively. A total of 15 % of project traffic is forecast to travel west along Bellevue Avenue and Hearn Avenue. Figure 2 shows the project's trip distribution and assignment.

SITE CIRCULATION ANALYSIS

Dudek has reviewed the site circulation of the project site plan, dated December 2, 2017 provided by Godfrey Engineering. Figure 3 shows the Project Site Plan.

Site Access

The project site will have several newly established roadways, including Vintana Drive, which will connect the project site to Dutton Meadow Drive, the nearest existing roadway. There is one main access driveway: a full-access driveway at the southeastern corner of the project site off Dutton Meadow Drive. Countryside Lane and Crosswinds Way serve as internal streets connecting to Vintana Drive, which lies at the southern edge of the site. Common Way, located along the western edge of the site, will connect to other future project sites in the area. The project access driveway of Vintana Drive/Dutton Meadow Drive would operate as stop-controlled (i.e., unsignalized) on the driveway approach.

Dutton Meadow Drive is a two-lane undivided, north-south roadway classified as a Collector Street with a 52-foot right-of-way in the General Plan. The project proposes access on Dutton Meadow Drive via a full access driveway on the southeast corner of the site at Vintana Drive. All of the project traffic will utilize this roadway to enter/exit the project site. Dutton Meadow Drive currently does not have adequate pedestrian or bicycle facilities however, the project seeks to expand the street right-of-way with an 11-foot travel lane, 5-foot Class II bicycle lane, 8-foot parking lane, and a 6-foot sidewalk along the frontage of the site. This design is consistent with the City's Variance (ENGV13-006) for Dutton Meadow Drive.

Vintana Drive will be constructed as an east-west two-lane, undivided roadway with a 45-foot right-of-way. Along the southern edge of the project site, Vintana Drive will connect Dutton Meadow Drive with the project as well as other internal residential access roadways. There will be 18-foot

travel lanes with proposed parking totaling approximately 26 parking spaces. A 5-foot sidewalk on the northern edge of the road will provide pedestrians further accessibility to the site.

Common Way will be constructed as a north-south, two-lane undivided roadway along the western edge of the site. Common Way will link the site to other future developments towards the north, south, and west of the site. As such, the proposed right-of-way varies between 50-foot and 66-feet with 12- to 18-foot travel lanes, with adequate maneuverability for emergency truck access and turnaround capabilities. Common Way will have 4-foot sidewalks on either side.

Crosswinds Way and Countryside Lane will be constructed as two-lane local north-south roads that serve to connect Vintana Drive with residences within the site. Both roads will have a 42-foot right-of-way with 18-foot travel lanes and 4-foot sidewalks on either side. These streets will be designed per the City's Variance (ENGV13-007) that requires increased pavement width for these roadways.

Emergency Vehicle Access

Since future sites along the western edge of the site may take some time to be developed, fire and emergency truck access is proposed along the northern sections of Countryside Lane and Crosswinds Way via a 20-foot temporary turnaround. These turnarounds are shown on the project site plan (Figure 3).

In order to evaluate the adequacy of the temporary turn-around provided for Crosswinds Way and Countryside Lane, a turning analysis was completed using AutoTurn software. The subject vehicle used in this analysis is an aerial fire truck (approximately 43 feet) that corresponds to the American Association of State Highway Transportation Officials (AASHTO) standards. Figure 4 illustrates inbound and outbound turning analysis for emergency vehicles using the temporary turn-around provided on Lot 12 on Crosswinds Way. A similar turnaround has been provided on Lot 22 for Countryside Lane. As shown on Figure 4, emergency vehicles would be able to access Crosswinds Way and Countryside Lane via Vintana Drive and exit these on-site roadways using the temporary turnaround provided on Lots 12 and 21.

Parking Requirements

Based on the Chapter 20-36 Parking and Loading Standards of City's Municipal Code, detached single-family dwellings are required to provide the following spaces:

- **Standard lot:** 4 spaces per unit, 1 of which must be on site, covered and outside setbacks. The remaining 3 spaces may be on site (in the driveway and tandem) or on a public or private street when directly fronting the lot.

- **Flag lot:** 2 spaces per unit, 1 of which must be covered, both of which must be located outside the required setback area plus 2 on site, paved guest spaces located outside the required setbacks and which may be tandem.

Per City’s requirement of 4 spaces per unit for detached single-family homes, the proposed project would be required to provide 120 parking spaces for 30 single-family homes. In addition to 60 garage spaces (i.e., 2 spaces per home for 30 homes), the proposed project would also provide 35 new on-street parking spaces for house fronts and 26 new on-street parking spaces on Vintana Drive for a total of 61 on-street parking spaces for the proposed project. Therefore, the project would provide 121 parking spaces, which covers the City requirement of 120 spaces. Therefore, the proposed project would satisfy the City’s parking code requirements.

SIGHT DISTANCE ANALYSIS

A Stopping Sight Distance analysis was conducted using the methodology from the American Association of State Highway Transportation Officials’ (AASHTO, 2011) – *Geometric Design of Highways and Streets* (“Green Book”), Tables 3-1 and 3.4 – Stopping Sight Distance. Stopping sight distance is the distance needed for a vehicle traveling at a specified design speed to react, assess, and then stop when an object crosses its path of travel. Although the posted speed limit on Dutton Meadow Drive is 35 mph, the design speed was assumed to be 45 mph. Table 2 lists the stopping sight distances for specific design speeds. As shown in Table 2 the design stopping sight distance for 45 mph is 360 feet (from the driver’s eye to the front of the crossing vehicle).

Table 2
Stopping Sight Distances

Vehicle Speed (mph)	Stopping Sight Distance (feet)
15	80
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820
80	910

Source: Stopping Sight Distance (2011 AASHTO Table 3-1, 3-4)

Dudek evaluated the adequacy of sight distance at the Dutton Meadow Drive/Vintana Drive intersection, as this intersection would be the proposed project's access and may provide access for heavy construction equipment and delivery truck traffic during construction activity.

Figure 5 illustrates the stopping sight distance analysis at the proposed Vintana Drive/Dutton Meadow Drive intersection. Based on the figure, there is adequate sight distance for vehicles traveling southbound along Dutton Meadow Drive, however trees/vegetation just south of the project access would potentially interfere with the vehicles traveling north along the roadway. Therefore, it is recommended that all trees/vegetation blocking sight distance along the south approach of Dutton Meadow Drive at the project access should be cleared to avoid potential sight distance conflicts with northbound traffic traveling on Dutton Meadow Drive.

TRAFFIC CONTROL

Per *California Manual of Uniform Traffic Control Devices* (CA MUTCD) 2014 Edition, the peak hour volume on minor street approach (one direction only) should equal or exceed 100 vehicles per hour (vph) for one lane of traffic to warrant a traffic signal. As shown in Table 1, the proposed project would generate a maximum of 30 peak hour trips that would utilize Vintana Drive (the minor street approach at the Vintana Drive/Dutton Meadow Drive intersection). The peak hour volume generated by the proposed project is lower than 100 vph and would not satisfy a peak hour traffic signal warrant at the project access intersection. Therefore, the project access intersection of Vintana Drive/Dutton Meadow Drive could operate as stop-controlled on the driveway approach (i.e., unsignalized).

However, future residential development around the project site may add traffic to this intersection. At those times, those future developments should perform a traffic signal warrant analysis to determine whether a traffic signal is warranted.

PEDESTRIAN AND BICYCLE ACCESSIBILITY

The City of Santa Rosa's Bicycle and Pedestrian Master Plan outlines future bikeway improvements. A Class II Bikeway (bike lane) i.e., a striped lane for one-way travel on a street or highway is proposed along Dutton Meadow Drive. The proposed project would be providing bike lane as part of frontage improvements to Dutton Meadow Drive. Installation of sidewalks for pedestrians is a requirement of new development in the city, therefore the proposed project would provide for at least 4-foot-wide sidewalks along all the proposed roadways.

TRANSIT

CityBus is the principal transit service within the City of Santa Rosa. Currently, one CityBus bus route, Route 15, operates along Dutton Meadow Drive and provides connection to Stony Point Road-Westside Transfer center. The nearest bus stop to the project site is located on Dutton Meadow Drive near its intersection with Cass Street, approximately 600 feet north of the project site.

SUMMARY AND CONCLUSIONS

Based on the above analysis, the following conclusions can be made:

- The proposed project is estimated to generate approximately 283 daily trips, with 22 trips (6 inbound and 16 outbound) produced in the AM peak hour, and 30 trips (19 inbound and 11 outbound) produced in the PM peak hour.
- The peak hour volume generated by the proposed project on the minor street approach at the project access intersection of Vintana Drive/Dutton Meadow Drive is less than 100 vph, and would not satisfy a peak hour traffic signal warrant. Therefore, the project access intersection of Vintana Drive/Dutton Meadow Drive could operate as stop-controlled on the driveway approach (i.e., unsignalized).
- Per City's Code parking requirements, the proposed project is required to provide 120 parking spaces. The project provides 121 parking spaces which includes 60 garage/covered spaces and 61 on-street parking spaces. Therefore, based on the City's parking requirements, the proposed project would satisfy the City's parking requirements.
- Based on the sight distance analysis, there is adequate sight distance for vehicles traveling southbound along Dutton Meadow Drive, however trees/vegetation just south of the project access would potentially interfere with the vehicles traveling north along the roadway. Therefore, it is recommended that trees/vegetation blocking the sight distance along the south approach of Dutton Meadow Drive at the project access be cleared to avoid potential sight distance conflicts with northbound traffic traveling on Dutton Meadow Drive.
- The project would include frontage improvements to Dutton Meadow Drive along the project's street frontage, including construction of sidewalk, and bike lane per City's Variance (ENGV13-006)

REFERENCES

City of Santa Rosa. 2009. *Santa Rosa General Plan*. Accessed on January 19, 2017.
<https://srcity.org/392/General-Plan>.

City of Santa Rosa. 2017. *Municipal Code*, Current December 14, 2017. http://qcode.us/codes/santarosa/view.php?topic=20-3-20_36-20_36_040&frames=on.

City of Santa Rosa. 2017. *Traffic Counts*. Accessed on January 19, 2017. <https://www.srcity.org/DocumentCenter/View/7062>.

AASHTO. 2011. American Association of State Highway Transportation Officials.

CA MUTCD. 2014. *California Manual of Uniform Traffic Control Devices*.

ATTACHMENT A
*City of Santa Rosa Comment Letter
dated November 6, 2017*

