

Draft Environmental Impact Report (Draft EIR)

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for

Los Angeles International Airport (LAX) Bradley West Project

(formerly Los Angeles International Airport [LAX] Tom Bradley International Terminal [TBIT] Reconfiguration Project)

Volume 7

Appendices G through J

City of Los Angeles
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May 2009

BRADLEY WEST PROJECT

Appendix G
LAX Bradley West Project Draft EIR

**Bradley West Project Building Demolition -
GHG Emissions**

May 2009

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1. DESCRIPTION

Greenhouse gas (GHG) emissions resulting from the on-site combustion of natural gas (direct emissions) and electricity demand (indirect emissions) were calculated for several buildings and lighting equipment located on LAWA properties. Emissions were calculated for a baseline, assuming that the buildings were still operating, and for a post-project scenario.

Emissions associated with the buildings were assumed to either be relocated to a new location, to be absorbed into a new facility, or to be removed completely. This report documents the assumptions and methods used to calculate GHG emissions.

2. METHOD

Emissions of three GHG compounds, namely, carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O), were calculated and reported. Although hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆) are also GHG compounds, emissions from these compounds are expected to be negligible and are not calculated. Following international standards, the global warming potential (GWP) from the Intergovernmental Panel on Climate Change's (IPCC's) Second Assessment Report (SAR 1996) were used to calculate the carbon dioxide equivalent (CO₂e) of CH₄ and N₂O. The GWP reflects the higher potency of non-CO₂ pollutants; for example, CH₄ has a global warming effect that is 21 times that of CO₂. The CO₂e is therefore calculated by multiplying the emissions of each pollutant by its respective GWP.

2.1 Usage Factors

The natural gas and electricity usage in each building was estimated from the building's area (square feet). Natural gas usage factors from the Urban Emissions (URBEMIS) model, Version 9.2.4, were used for all buildings. Electricity usage factors were obtained from the Energy Information Administration's (EIA's) 1999 Commercial Buildings Energy Consumption Survey (CBECS) for all buildings. A fact sheet from the International Dark-Sky Association was used to approximate the annual hours of operation for the outside lighting (4,100 hours per year).

2.2 Emission Factors

Emission factors were obtained from The Climate Registry's General Reporting Protocol (May 2008) for all pollutants with the exception of CO₂ from electricity. The CO₂ electricity emission factor was obtained from the 2007 California Climate Action Registry (CCAR) emissions report for the Los Angeles Department of Water & Power (LADWP). The emission factor includes LADWP's total electricity deliveries, including electricity generated by LADWP and purchased from other sources. Since the LADWP uses a higher percentage of coal than the rest of the state in its electricity generation, this method produced a more accurate estimate of emissions than using the default factors from The Climate Registry.

3. NATURAL GAS RESULTS

Table 1 summarizes the calculated CO₂e emissions from natural gas combustion. CO₂e emissions from natural gas combustion would be increased by 667 metric tons per year; detailed emission calculations are shown in Attachment 1.

G. Bradley West Project Building Demolition -- GHG Emissions

Table 1

Natural Gas Results

Facility	Baseline Usage (cf)	CO ₂ e Baseline Emissions (metric tons per year)	CO ₂ e Post-Project Emissions (metric tons per year)	Difference (metric tons per year)
Terminal Improvements				
Level 1 - Arrivals	5,273,868	290	416	126
Level 2 - Interstitial	6,149,208	338	714	376
Concourse Demo (Interstitial Level)	2,457,360	135	0	(135)
Level 3 - Departures	8,239,512	452	1,019	566
Concourse Demo (Departures Level)	2,457,360	135	0	(135)
Level 4 - Lower Level	2,552,220	140	390	249
Level 5 - Upper Mezzanine	1,869,600	103	202	99
Terminal Improvements Subtotal	28,999,128	1,592	2,740	1,148
Other Facility Improvements				
American Eagle Commuter Terminal	33,000	2	2	0
American Airlines (Former TWA) Maintenance Hangar	6,836,500	375	0	(375)
AOA Access Post #5	288	0.02	0.02	0
Vehicle Parking at East End of World Way West	0	0	0	0
Water Deluge Tanks	0	0	0	0
Sky Chefs Flight Kitchen	27,702,000	1,521	1,521	0
AA Low Bay Hangar	340,000	19	0	(19)
Liquid Gas and Fueling Station	0	0	0	0
Fuel Vault	0	0	0	0
ASIG GSE Storage	14,000	1	0	(1)
GSE Apron	0	0	0	0
RON Aircraft Parking	0	0	0	0
Menzies GSE Maintenance	1,573,000	86	0	(86)
Other Facility Improvements Subtotal	36,498,788	2,004	1,523	(481)
Grand Total	65,497,916	3,596	4,263	667

Source: CDM, 2009.

The following assumptions were made regarding the continued use of natural gas by each of the facilities from the various buildings:

- ◆ American Eagle Commuter Terminal: Existing building would be demolished and current operation would be relocated to the former United Express Commuter Facility. Emissions at the former United Express Commuter Facility are currently assumed to be minimal; therefore, no change in emissions would occur with the relocation of the American Eagle Commuter Terminal.
- ◆ American Airlines (Former TWA) Maintenance Hangar: The eastern portion of the building would be demolished and not replaced. Emissions are expected to be zero in the future condition.
- ◆ AOA Access Post #5: Guard post would be demolished and current use would be relocated to a new guard post to be constructed. Since the guard post would be relocated, emissions are expected to remain the same in the future as in the existing conditions.
- ◆ Vehicle parking at east end of World Way West: No emissions of natural gas are expected in either the existing or future conditions.
- ◆ Water deluge tanks: No emissions of natural gas are expected in either the existing or future conditions.

- ◆ Sky Chefs Flight Kitchen: The kitchen would either be relocated into an existing Sky Chefs facility located at 6901 Imperial Highway or moved to other offsite facilities. The amount of natural gas needed to maintain cooking operations is not expected to change.
- ◆ AA Low Bay Hangar: The hangar would be demolished and the existing operations would be consolidated into other facilities. Since the operations would be merged into existing buildings, emissions associated with the operation of the hangar would be reduced to zero in the future years.
- ◆ Liquid Gas and Fueling Station: No emissions of natural gas are expected in either the existing or future conditions.
- ◆ Fuel Vault: No emissions of natural gas are expected in either the existing or future conditions.
- ◆ ASIG GSE Storage: Building would be demolished and current operation would be moved to another existing building. Since the operations would merge into an existing building, emissions associated with the operation of the building would be reduced to zero in future years.
- ◆ GSE Apron: No emissions of natural gas are expected in either the existing or future conditions.
- ◆ RON Aircraft Parking: No emissions of natural gas are expected in either the existing or future conditions.
- ◆ Menzies GSE Maintenance: Building would be demolished and current operation would be moved to another existing building. Since the operations would merge into an existing building, emissions associated with the operation of the building would be reduced to zero in future years.

4. ELECTRICITY RESULTS

Table 2 summarizes the calculated CO₂e emissions from purchased electricity consumption. CO₂e emissions from purchased electricity consumption would increase by 3,910 metric tons per year; detailed emission calculations are shown on the attached spreadsheet.

G. Bradley West Project Building Demolition -- GHG Emissions

Table 2
Electricity Results

Facility	Baseline Usage (MWh)	CO₂e Baseline Emissions (metric tons per year)	CO₂e Post-Project Emissions (metric tons per year)	Difference (metric tons per year)
Terminal Improvements				
Level 1 - Arrivals	3,603	2,012	2,678	666
Level 2 - Interstitial	4,270	2,384	4,588	2,204
Concourse Demo (Interstitial Level)	1,720	961	0	(961)
Level 3 - Departures	5,520	3,083	5,809	2,726
Concourse Demo (Departures Level)	1,720	961	0	(961)
Level 4 - Lower Level	1,391	777	2,518	1,741
Level 5 - Upper Mezzanine	1,309	731	1,305	574
Terminal Improvements Subtotal	19,533	10,907	16,897	5,990
Other Facility Improvements				
American Eagle Commuter Terminal	277	155	155	0
American Airlines (Former TWA) Maintenance Hangar	429	240	0	(240)
AOA Access Post #5	2	1	1	0
Vehicle Parking at East End of World Way West	0	0	0	0
Water Deluge Tanks	0	0	0	0
Sky Chefs Flight Kitchen	12,339	6,890	6,890	0
AA Low Bay Hangar	2,856	1,595	0	(1,595)
Liquid Gas and Fueling Station	0	0	0	0
Fuel Vault	0	0	0	0
ASIG GSE Storage	53	29	0	(29)
GSE Apron	0	0	0	0
RON Aircraft Parking	0	0	0	0
Menzies GSE Maintenance	99	55	0	(55)
Outside Lighting	889	495	334	(161)
Other Facility Improvements Subtotal	16,944	9,460	7,380	(2,080)
Grand Total	36,477	20,367	24,277	3,910

Source: CDM, 2009.

The following assumptions were made regarding the continued use of electricity by each of the facilities from the demolished buildings:

- ◆ The electricity demand for the following facilities is conservatively assumed to be unchanged regardless of location. Even though some aspects of electricity consumption at the facilities to be relocated would be slightly reduced, such as common area lighting and space conditioning at the existing (old) facility that would already exist at the facility to be moved into, consequently resulting in a new reduction in energy use when the old facility is demolished, it is assumed that devices such as personal computers, other office equipment, and maintenance equipment, which typically constitute the majority of energy consumption at the affected facilities, would place an equivalent demand on the system:
 - ◆ American Eagle Commuter Terminal
 - ◆ AOA Access Post #5
 - ◆ SkyChefs Flight Kitchen

G. Bradley West Project Building Demolition -- GHG Emissions

- ◆ The following buildings would be demolished and would not be replaced; emissions would therefore be reduced to zero:
 - ◆ American Airlines (Former TWA) Maintenance Hangar
 - ◆ AA Low Bay Hangar
 - ◆ ASIG GSE Storage
 - ◆ Menzies GSE Maintenance

The following buildings are assumed to not have any electricity usage during either the existing or future conditions; therefore, emissions are assumed to be zero throughout this analysis:

- ◆ Vehicle Parking at East End of World Way West
- ◆ Water Deluge Tanks
- ◆ Liquid Gas and Fueling Station
- ◆ Fuel Vault
- ◆ GSE Apron
- ◆ RON Aircraft Parking

5. OVERALL RESULTS

CO₂e emissions from the proposed modifications under the TBIT Reconfiguration Project are expected to increase by a total of 4,577 metric tons per year. Although the reconfigured TBIT is expected to be more energy efficient than the existing terminal, the larger facility causes emissions to increase. Furthermore, there are no associated improvements in efficiency with natural gas usage.

G. Bradley West Project Building Demolition -- GHG Emissions

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Attachment 1

Calculations

Overall Project Summary

Emission Source	Existing	Future	Difference
Natural Gas	3,596	4,263	667
Electricity	20,367	24,277	3,910
Total	23,964	28,541	4,577

Table 1 - Natural Gas Results

Facility	Baseline Usage (cf/yr)	CO2e Baseline Emissions (metric tons per year)	CO2e Post-Project Emissions (metric tons per year)	Difference (metric tons per year)
Level 1 - Arrivals	5,273,868	290	416	126
Level 2 - Interstitial	6,149,208	338	714	376
Concourse Demo (Interstitial Level)	2,457,360	135	0	-135
Level 3 - Departures	8,239,512	452	1,019	566
Concourse Demo (Departure Level)	2,457,360	135	0	-135
Level 4 - Lower Level	2,552,220	140	390	249
Level 5 - Upper Mezzanine	1,869,600	103	202	99
Terminal Improvements	28,999,128	1,592	2,740	1,148
LAFD Station No. 80/ARFF	<i>Analyzed under CFTP</i>			
American Eagle Commuter Terminal	33,000	2	2	0
American Airlines (Former TWA) Maintenance Hangar	6,836,500	375	0	-375
AOA Access Post #5	288	0	0	0
Vehicle Parking at east end of World Way West	0	0	0	0
Water Deluge Tanks	0	0	0	0
Sky Chefs Flight Kitchen	27,702,000	1,521	1,521	0
AA Low Bay Hangar	340,000	19	0	-19
Liquid Gas and Fueling Station	0	0	0	0
Fuel Vault	0	0	0	0
ASIG GSE Storage	14,000	1	0	-1
GSE Apron	0	0	0	0
RON Aircraft Parking	0	0	0	0
Menzies GSE Maintenance	1,573,000	86	0	-86
Other Facility Improvements	36,498,788	2,004	1,523	-481
GRAND TOTAL	65,497,916	3,596	4,263	667

Table 2 - Electricity Results

Facility	Baseline Usage (MWh)	CO2e Baseline Emissions (metric tons per year)	CO2e Post-Project Emissions (metric tons per year)	Difference (metric tons per year)
Level 1 - Arrivals	3,603	2,012	2,678	666
Level 2 - Interstitial	4,270	2,384	4,588	2,204
Concourse Demo (Interstitial Level)	1,720	961	0	-961
Level 3 - Departures	5,520	3,083	5,809	2,726
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Level 4 - Lower Level	1,391	777	2,518	1,741
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Terminal Improvements	19,533	10,907	16,897	5,990
LAFD Station No. 80/ARFF	<i>Analyzed under CFTP</i>			
American Eagle Commuter Terminal	277	155	155	0
American Airlines (Former TWA) Maintenance Hangar	429	240	0	-240
AOA Access Post #5	2	1	1	0
Vehicle Parking at east end of World Way West	0	0	0	0
Water Deluge Tanks	0	0	0	0
Sky Chefs Flight Kitchen	12,339	6,890	6,890	0
AA Low Bay Hangar	2,856	1,595	0	-1,595
Liquid Gas and Fueling Station	0	0	0	0
Fuel Vault	0	0	0	0
ASIG GSE Storage	53	29	0	-29
GSE Apron	0	0	0	0
RON Aircraft Parking	0	0	0	0
Menzies GSE Maintenance	99	55	0	-55
Outside Lighting	889	495	334	-161
Other Facility Improvements	16,944	9,460	7,380	-2,080
GRAND TOTAL	36,477	20,367	24,277	3,910

Terminal NG Calcs

Natural Gas

<u>Emission Factors</u>		<u>Source</u>	<u>GWP</u>	
CO2	0 kg/scf	Table 12.1	CO2	1
CH4	1 g/MMBtu	Table 12.8	CH4	21
N2O	1 g/MMBtu	Table 12.8	N2O	310

Global warming potential (GWP) values from IPCC, Second Assessment Report (SAR), 1996

Higher Heating Value	1,029 Btu/scf	Weighted US Avg
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Level 1 - Arrivals	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Baggage Claim and Customs	89,000				
Baggage Claim			59,500	54,900	114,400
Baggage Re-check	4,820	6,730			6,730
Baggage Trolley				4,050	4,050
Customs Secondary Inspection			9,150		9,150
Circulation	48,310	21,930	50,880	16,030	88,840
Mechanical/Electrical				7,180	7,180
Meter Greeter Hall	25,530	25,530	6,210		31,740
Office/Support	18,490	17,140			17,140
Restrooms	6,110	2,630		2,800	5,430
Retail/Concession	6,810	1,740			1,740
Vertical Circulation	17,610	15,240		13,300	28,540
Total	216,680	90,940	125,740	98,260	314,940
Level 2 - Interstitial	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Building Core		3,890			3,890
Circulation	40,690			26,790	26,790
Concession	2,660			4,200	4,200
Corridor				17,700	17,700
D.F. Stage				380	380
Gate		16,770			16,770
Holdroom	2,120			11,660	11,660
Inbound Baggage				36,050	36,050
In-Transit Lounge	14,570			18,360	18,360
Information Technology (IT) Rooms/Offices				9,660	9,660
Loading Dock				4,800	4,800
Mechanical/Electrical	2,670			45,920	45,920
Office/Support	55,470	990			990
Open Floor Area				83,080	83,080
Operations/Offices				104,780	104,780
Outbound Baggage	101,800	101,800			101,800
Restrooms	1,740			6,510	6,510
Shuttle Wait Area				380	380
Sterile Corridor	23,260			1,950	1,950
Unassigned			25,330	4,740	30,070
Vertical Circulation	10,040	3,850		10,430	14,280
	255,020	127,300	25,330	387,390	540,020
Demo Existing North Concourse (Interstitial Level)					38,810
Demo Existing South Concourse (Interstitial Level)					63,580
Total Concourse Demo (Interstitial Level)					102,390
Level 3 - Departures	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Bus Gates	17,120			38,680	38,680

Circulation	137,450	86,850	1,920	145,000	233,770
Concessions	18,940	12,970	9,900	93,100	115,970
Holdroom/Lounge	37,080	5,510		101,060	106,570
Information Technology (IT) Rooms/Offices				240	240
Loading Dock	2,370				
Mechanical/Electrical	3,220			13,830	13,830
Office/Support	47,340	8,350			8,350
Operations		800			800
Pier (Area Between Holdroom and Jetways at Each Gate)				56,230	56,230
Restrooms	5,450	2,630		14,420	17,050
Retail		1,240			1,240
Security/Passenger Screening	16,260	6,600	23,400		30,000
Ticket Counter Area	11,730				
Ticket Counter Queuing	25,670				
Ticket Office		36,810	10,530		47,340
Ticketing		15,550			15,550
TSA				5,660	5,660
Unassigned				7,490	7,490
Vertical Circulation	12,160	9,340		12,250	21,590
<i>Total</i>	<i>334,790</i>	<i>186,650</i>	<i>45,750</i>	<i>487,960</i>	<i>720,360</i>
<i>Demo Existing North Concourse (Departure Level)</i>					<i>38,810</i>
<i>Demo Existing South Concourse (Departure Level)</i>					<i>63,580</i>
<i>Total Concourse Demo (Departure Level)</i>					<i>102,390</i>

Level 4 - Lower Level	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Customs & Border Protection Offices				10,940	10,940
Customs & Border Protection Primary Inspection				56,050	56,050
Circulation	2,310	2,310	5,200	20,020	27,530
Concession	30,250				
In-Transit Lounge	15,080	6,500	34,680		41,180
Mechanical/Electrical	10,980		8,870		8,870
Office/Support	23,740	23,740			23,740
Gate Piers				24,590	24,590
Restrooms	4,540		5,600		5,600
Sterile Corridor				78,350	78,350
Vertical Circulation	5,830	5,830		12,940	18,770
<i>Total</i>	92,730	38,380	54,350	202,890	295,620
Level 5 - Upper Mezzanine	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Airline Alliance Lounge Areas	26,130	26,130		75,090	101,220
Circulation	2,520	6,680		180	6,860
Building Core/Mechanical&Utility	14,630	11,500			11,500
Office/Support	22,500	22,500			22,500
Restrooms	2,140	1,110			1,110
Vertical Circulation	9,980	9,980			9,980
<i>Total</i>	77,900	77,900	0	75,270	153,170
Grand Total	977,120	521,170	251,170	1,251,770	2,024,110

Building Type	Usage Factor (cf/sq ft/mo)	Annual Usage (cf/year)					Natural Gas Emissions (metric tons/year)						CO2e Emissions (metric tons/year)								
		Existing	Future			Total Future	Existing			Future			Existing			Total Emissions	Future			Total Emissions	Difference
			Existing	Renovated	New		CO2	CH4	N2O	CO2	CH4	N2O	CO2	CH4	N2O						
Office	2	2,136,000	0	0	0	0	117	0	0	0	0	0	117	0	0	0	0	0	0	0	-117
Office	2	0	0	1,428,000	1,317,600	2,745,600	0	0	0	150	0	0	0	0	0	0	151	0	0	0	151
Office	2	115,680	161,520	0	0	161,520	6	0	0	9	0	0	6	0	0	0	9	0	0	0	3
Office	2	0	0	0	97,200	97,200	0	0	0	5	0	0	0	0	0	0	5	0	0	0	5
Office	2	0	0	219,600	0	219,600	0	0	0	12	0	0	0	0	0	0	12	0	0	0	12
Office	2	1,159,440	526,320	1,221,120	384,720	2,132,160	63	0	0	116	0	0	63	0	0	64	116	0	1	117	53
Office	2	0	0	0	172,320	172,320	0	0	0	9	0	0	0	0	0	0	9	0	0	0	9
Office	2	612,720	612,720	149,040	0	761,760	33	0	0	42	0	0	33	0	0	34	42	0	0	0	42
Office	2	443,760	411,360	0	0	411,360	24	0	0	22	0	0	24	0	0	24	22	0	0	0	23
Office	2	146,640	63,120	0	67,200	130,320	8	0	0	7	0	0	8	0	0	8	7	0	0	0	7
Retail/Shopping	3	236,988	60,552	0	0	60,552	13	0	0	3	0	0	13	0	0	13	3	0	0	0	-10
Office	2	422,640	365,760	0	319,200	684,960	23	0	0	37	0	0	23	0	0	23	37	0	0	0	14
Total		5,273,868	2,201,352	3,017,760	2,358,240	7,577,352	288	0	0	414	0	0	288	0	2	290	414	0	2	416	126

Office	2	0	93,360	0	0	93,360	0	0	0	5	0	0	0	0	0	0	5	0	0	0	5
Office	2	976,560	0	0	642,960	642,960	53	0	0	35	0	0	53	0	0	54	35	0	0	0	-18
Retail/Shopping	3	92,568	0	0	146,160	146,160	5	0	0	8	0	0	5	0	0	5	8	0	0	0	3
Office	2	0	0	0	424,800	424,800	0	0	0	23	0	0	0	0	0	0	23	0	0	0	23
Office	2	0	0	0	9,120	9,120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Office	2	0	402,480	0	0	402,480	0	0	0	22	0	0	0	0	0	0	22	0	0	0	22
Office	2	50,880	0	0	279,840	279,840	3	0	0	15	0	0	3	0	0	3	15	0	0	0	13
Office	2	0	0	0	865,200	865,200	0	0	0	47	0	0	0	0	0	0	47	0	0	0	48
Office	2	349,680	0	0	440,640	440,640	19	0	0	24	0	0	19	0	0	19	24	0	0	0	5
Office	2	0	0	0	231,840	231,840	0	0	0	13	0	0	0	0	0	0	13	0	0	0	13
Office	2	0	0	0	115,200	115,200	0	0	0	6	0	0	0	0	0	0	6	0	0	0	6
Office	2	64,080	0	0	1,102,080	1,102,080	3	0	0	60	0	0	3	0	0	4	60	0	0	0	57
Office	2	1,331,280	23,760	0	0	23,760	73	0	0	1	0	0	73	0	0	73	1	0	0	0	-72
Office	2	0	0	0	1,993,920	1,993,920	0	0	0	109	0	0	0	0	0	0	109	0	1	109	109
Office	2	0	0	0	2,514,720	2,514,720	0	0	0	137	0	0	0	0	0	0	137	0	1	138	138
Office	2	2,443,200	2,443,200	0	0	2,443,200	133	0	0	133	0	0	133	0	1	134	133	0	1	134	0
Office	2	41,760	0	0	156,240	156,240	2	0	0	9	0	0	2	0	0	2	9	0	0	0	9
Office	2	0	0	0	9,120	9,120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Office	2	558,240	0	0	46,800	46,800	30	0	0	3	0	0	30	0	0	31	3	0	0	0	-28
Office	2	0	0	607,920	113,760	721,680	0	0	0	39	0	0	0	0	0	0	39	0	0	0	40
Office	2	240,960	92,400	0	250,320	342,720	13	0	0	19	0	0	13	0	0	13	19	0	0	0	6
Total		6,149,208	3,055,200	607,920	9,342,720	13,005,840	336	0	0	710	0	0	336	0	2	338	710	0	4	714	376

Office	2	931,440	0	0	0	0	51	0	0	0	0	0	51	0	0	51	0	0	0	0	-51
Office	2	1,525,920	0	0	0	0	83	0	0	0	0	0	83	0	0	84	0	0	0	0	-84
Office	2	2,457,360	0	0	0	0	134	0	0	0	0	0	134	0	1	135	0	0	0	0	-135

Note: Since concourse being demolished, then concourse shown in existing conditions only.

Office	2	410,880	0	0	928,320	928,320	22	0	0	51	0	0	22	0	0	23	51	0	0	51	28
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Office	2	3,298,800	2,084,400	46,080	3,480,000	5,610,480	180	0	0	306	0	0	180	0	1	181	306	0	2	308	127
Retail/Shopping	3	659,112	451,356	344,520	3,239,880	4,035,756	36	0	0	220	0	0	36	0	0	36	220	0	1	222	185
Office	2	889,920	132,240	0	2,425,440	2,557,680	49	0	0	140	0	0	49	0	0	49	140	0	1	140	92
Office	2	0	0	0	5,760	5,760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Office	2	56,880	0	0	0	0	3	0	0	0	0	0	3	0	0	3	0	0	0	0	-3
Office	2	77,280	0	0	331,920	331,920	4	0	0	18	0	0	4	0	0	4	18	0	0	18	14
Office	2	1,136,160	200,400	0	0	200,400	62	0	0	11	0	0	62	0	0	62	11	0	0	11	-51
Office	2	0	19,200	0	0	19,200	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1
Office	2	0	0	0	1,349,520	1,349,520	0	0	0	74	0	0	0	0	0	0	74	0	0	74	74
Office	2	130,800	63,120	0	346,080	409,200	7	0	0	22	0	0	7	0	0	7	22	0	0	22	15
Retail/Shopping	3	0	43,152	0	0	43,152	0	0	0	2	0	0	0	0	0	0	2	0	0	2	2
Office	2	390,240	158,400	561,600	0	720,000	21	0	0	39	0	0	21	0	0	21	39	0	0	40	18
Office	2	281,520	0	0	0	0	15	0	0	0	0	0	15	0	0	15	0	0	0	0	-15
Office	2	616,080	0	0	0	0	34	0	0	0	0	0	34	0	0	34	0	0	0	0	-34
Office	2	0	883,440	252,720	0	1,136,160	0	0	0	62	0	0	0	0	0	0	62	0	0	62	62
Office	2	0	373,200	0	0	373,200	0	0	0	20	0	0	0	0	0	0	20	0	0	20	20
Office	2	0	0	0	135,840	135,840	0	0	0	7	0	0	0	0	0	0	7	0	0	7	7
Office	2	0	0	0	179,760	179,760	0	0	0	10	0	0	0	0	0	0	10	0	0	10	10
Office	2	291,840	224,160	0	294,000	518,160	16	0	0	28	0	0	16	0	0	16	28	0	0	28	12
Total		8,239,512	4,633,068	1,204,920	12,716,520	18,554,508	450	0	0	1,013	0	0	450	0	2	452	1,013	0	5	1,019	566
Office	2	931,440	0	0	0	0	51	0	0	0	0	0	51	0	0	51	0	0	0	0	-51
Office	2	1,525,920	0	0	0	0	83	0	0	0	0	0	83	0	0	84	0	0	0	0	-84
Office	2	2,457,360	0	0	0	0	134	0	0	0	0	0	134	0	1	135	0	0	0	0	-135

Office	2	0	0	0	262,560	262,560	0	0	0	14	0	0	0	0	14	0	0	14	14		
Office	2	0	0	0	1,345,200	1,345,200	0	0	0	73	0	0	0	0	73	0	0	74	74		
Office	2	55,440	55,440	124,800	480,480	660,720	3	0	0	36	0	0	3	36	0	0	36	33			
Retail/Shopping	3	1,052,700	0	0	0	0	57	0	0	0	0	0	57	0	0	0	0	0	-58		
Office	2	361,920	156,000	832,320	0	988,320	20	0	0	54	0	0	20	54	0	0	54	34			
Office	2	263,520	0	212,880	0	212,880	14	0	0	12	0	0	14	12	0	0	12	-3			
Office	2	569,760	569,760	0	0	569,760	31	0	0	31	0	0	31	31	0	0	31	0			
Office	2	0	0	0	590,160	590,160	0	0	0	32	0	0	0	32	0	0	32	32			
Office	2	108,960	0	134,400	0	134,400	6	0	0	7	0	0	6	7	0	0	7	1			
Office	2	0	0	0	1,880,400	1,880,400	0	0	0	103	0	0	0	103	0	1	103	103			
Office	2	139,920	139,920	0	310,560	450,480	8	0	0	25	0	0	8	25	0	0	25	17			
Total		2,552,220	921,120	1,304,400	4,869,360	7,094,880	139	0	0	387	0	0	139	0	1	140	387	0	2	390	249

Office	2	627,120	627,120	0	1,802,160	2,429,280	34	0	0	133	0	0	34	133	0	1	133	99			
Office	2	60,480	160,320	0	4,320	164,640	3	0	0	9	0	0	3	9	0	0	9	6			
Office	2	351,120	276,000	0	0	276,000	19	0	0	15	0	0	19	15	0	0	15	-4			
Office	2	540,000	540,000	0	0	540,000	29	0	0	29	0	0	29	29	0	0	30	0			
Office	2	51,360	26,640	0	0	26,640	3	0	0	1	0	0	3	1	0	0	1	-1			
Office	2	239,520	239,520	0	0	239,520	13	0	0	13	0	0	13	13	0	0	13	0			
Total		1,869,600	1,869,600	0	1,806,480	3,676,080	102	0	0	201	0	0	102	0	1	103	201	0	1	202	99

Other Facility NG Calcs

Natural Gas

<u>Emission Factors</u>		<u>Source</u>	<u>GWP</u>	
CO2	0 kg/scf	Table 12.1	CO2	1
CH4	1 g/MMBtu	Table 12.8	CH4	21
N2O	1 g/MMBtu	Table 12.8	N2O	310

Global warming potential (GWP) values from IPCC, Second Assessment Report (SAR), 1996

Higher Heating Value	1,029 Btu/scf	Weighted US Avg
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Facility	Approximate Size (Sq. Ft.)	Building Type	Factor (cf/sq ft/mo)	Annual Usage (cf/year)	
				Existing	Future
LAFD Station No. 80/ARFF	14,000			<i>Analyzed under CFTP</i>	
American Eagle Commuter Terminal	16,500	Office	2	33,000	33,000
American Airlines (Former TWA) Maintenance Hangar	56,500	Service	121	6,836,500	0
AOA Access Post #5	144	Office	2	288	288
Vehicle Parking at east end of World Way West	n/a	n/a	0	0	0
Water Deluge Tanks	n/a	n/a	0	0	0
Sky Chefs Flight Kitchen	270,000	Food Service	103	27,702,000	27,702,000
AA Low Bay Hangar	170,000	Office	2	340,000	0
Liquid Gas and Fueling Station	n/a	n/a	0	0	0
Fuel Vault	20	n/a	0	0	0
ASIG GSE Storage	7,000	Office	2	14,000	0
GSE Apron	n/a	n/a	0	0	0
RON Aircraft Parking	n/a	n/a	0	0	0
Menzies GSE Maintenance	13,000	Service	121	1,573,000	0
Total				36,498,788	27,735,288

Natural Gas Emissions (metric tons/year)					
Existing			Future		
CO2	CH4	N2O	CO2	CH4	N2O
2	0	0	2	0	0
373	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1,513	0	0	1,513	0	0
19	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
86	0	0	0	0	0
1,993	0	0	1,514	0	0

CO2e Emissions (metric tons/year)								
Existing			Total Emissions	Future			Total Emissions	Difference
CO2	CH4	N2O		CO2	CH4	N2O		
2	0	0	2	2	0	0	2	0
373	0	2	375	0	0	0	0	-375
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
1,513	1	8	1,521	1,513	1	8	1,521	0
19	0	0	19	0	0	0	0	-19
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
1	0	0	1	0	0	0	0	-1
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
86	0	0	86	0	0	0	0	-86
1,993	1	10	2,004	1,514	1	8	1,523	-481

NG Usage Factors

USAGE FACTORS FROM URBEMIS

Category	Factor	Units
Hotel/motel		4.8 ft3/square feet/month
Retail/Shopping		2.9 ft3/square feet/month
Office		2 ft3/square feet/month

<http://www.urbemis.com/software/URBEMIS9%20Users%20Manual%20Appendices.pdf>

1999 Building Activities

Fire/Police Station	53.2 cf/sq ft	http://www.eia.doe.gov/emeu/cbecs/pba99/publicorder/puborderconstable.htm
Service*	121 cf/sq ft	http://www.eia.doe.gov/emeu/cbecs/pba99/service/serviceconstable.html#natgas

*Includes Auto Service/Auto Repair

Food Service <http://www.eia.doe.gov/emeu/cbecs/pba99/foodservice/foodservconstable.html#natgas>

Building Floorspace (square feet)

Small (1,001 to 5,000)	216.7 cf/sq ft
Medium (5,001 to 50,000)	102.6 cf/sq ft
Large (Over 50,000)	ND

Terminal Elec Calcs
Electricity

Emission Factors		Source	GWP	
CO2	1,228 lbs/MWh	2007 CCAR Report	CO2	1
CH4	0 lbs/MWh	eGRID - CAMX	CH4	21
N2O	0 lbs/MWh	eGRID - CAMX	N2O	310

Global warming potential (GWP) values from IPCC, Second Assessment Report (SAR), 1996.

Level 1 - Arrivals	Existing Conditions	Future Conditions with Project Completion			
		<i>Existing (Unaltered) Area</i>	<i>Renovated Area</i>	<i>New Area</i>	<i>Total Area</i>
Baggage Claim and Customs	89,000				
Baggage Claim			59,500	54,900	114,400
Baggage Re-check	4,820	6,730			6,730
Baggage Trolley				4,050	4,050
Customs Secondary Inspection			9,150		9,150
Circulation	48,310	21,930	50,880	16,030	88,840
Mechanical/Electrical				7,180	7,180
Meter Greeter Hall	25,530	25,530	6,210		31,740
Office/Support	18,490	17,140			17,140
Restrooms	6,110	2,630		2,800	5,430
Retail/Concession	6,810	1,740			1,740
Vertical Circulation	17,610	15,240		13,300	28,540
<i>Total</i>	<i>216,680</i>	<i>90,940</i>	<i>125,740</i>	<i>98,260</i>	<i>314,940</i>
Level 2 - Interstitial	Existing Conditions	Future Conditions with Project Completion			
		<i>Existing (Unaltered) Area</i>	<i>Renovated Area</i>	<i>New Area</i>	<i>Total Area</i>
Building Core		3,890			3,890
Circulation	40,690			26,790	26,790
Concession	2,660			4,200	4,200
Corridor				17,700	17,700
D.F. Stage				380	380
Gate		16,770			16,770
Holdroom	2,120			11,660	11,660
Inbound Baggage				36,050	36,050
In-Transit Lounge	14,570			18,360	18,360
Information Technology (IT) Rooms/Offices				9,660	9,660
Loading Dock				4,800	4,800
Mechanical/Electrical	2,670			45,920	45,920
Office/Support	55,470	990			990
Open Floor Area				83,080	83,080
Operations/Offices				104,780	104,780
Outbound Baggage	101,800	101,800			101,800

Restrooms	1,740			6,510	6,510
Shuttle Wait Area				380	380
Sterile Corridor	23,260			1,950	1,950
Unassigned			25,330	4,740	30,070
Vertical Circulation	10,040	3,850		10,430	14,280
	255,020	127,300	25,330	387,390	540,020
<i>Demo Existing North Concourse (Interstitial Level)</i>					38,810
<i>Demo Existing South Concourse (Interstitial Level)</i>					63,580
<i>Total Concourse Demo (Interstitial Level)</i>					102,390
Level 3 - Departures	Existing Conditions	Future Conditions with Project Completion			
		<i>Existing (Unaltered) Area</i>	<i>Renovated Area</i>	<i>New Area</i>	<i>Total Area</i>
Bus Gates	17,120			38,680	38,680
Circulation	137,450	86,850	1,920	145,000	233,770
Concessions	18,940	12,970	9,900	93,100	115,970
Holdroom/Lounge	37,080	5,510		101,060	106,570
Information Technology (IT) Rooms/Offices				240	240
Loading Dock	2,370				
Mechanical/Electrical	3,220			13,830	13,830
Office/Support	47,340	8,350			8,350
Operations		800			800
Pier (Area Between Holdroom and Jetways at Each Gate)				56,230	56,230
Restrooms	5,450	2,630		14,420	17,050
Retail		1,240			1,240
Security/Passenger Screening	16,260	6,600	23,400		30,000
Ticket Counter Area	11,730				
Ticket Counter Queuing	25,670				
Ticket Office		36,810	10,530		47,340
Ticketing		15,550			15,550
TSA				5,660	5,660
Unassigned				7,490	7,490
Vertical Circulation	12,160	9,340		12,250	21,590
<i>Total</i>	<i>334,790</i>	<i>186,650</i>	<i>45,750</i>	<i>487,960</i>	<i>720,360</i>
<i>Demo Existing North Concourse (Departure Level)</i>					38,810
<i>Demo Existing South Concourse (Departure Level)</i>					63,580
<i>Total Concourse Demo (Departure Level)</i>					102,390

Level 4 - Lower Level	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Customs & Border Protection Offices				10,940	10,940
Customs & Border Protection Primary Inspection				56,050	56,050
Circulation	2,310	2,310	5,200	20,020	27,530
Concession	30,250				
In-Transit Lounge	15,080	6,500	34,680		41,180
Mechanical/Electrical	10,980		8,870		8,870
Office/Support	23,740	23,740			23,740
Gate Piers				24,590	24,590
Restrooms	4,540		5,600		5,600
Sterile Corridor				78,350	78,350
Vertical Circulation	5,830	5,830		12,940	18,770
<i>Total</i>	<i>92,730</i>	<i>38,380</i>	<i>54,350</i>	<i>202,890</i>	<i>295,620</i>
Level 5 - Upper Mezzanine	Existing Conditions	Future Conditions with Project Completion			
		Existing (Unaltered) Area	Renovated Area	New Area	Total Area
Airline Alliance Lounge Areas	26,130	26,130		75,090	101,220
Circulation	2,520	6,680		180	6,860
Building Core/Mechanical&Utility	14,630	11,500			11,500
Office/Support	22,500	22,500			22,500
Restrooms	2,140	1,110			1,110
Vertical Circulation	9,980	9,980			9,980
<i>Total</i>	<i>77,900</i>	<i>77,900</i>	<i>0</i>	<i>75,270</i>	<i>153,170</i>
Grand Total	977,120	521,170	251,170	1,251,770	2,024,110

Future usage assumes LEED Silver certification

Building Type	Usage Factor kWh/sq ft	Annual Usage (MWh/year)				
		Existing	Future			Total Future
			Existing	Renovated	New	
Office	17	1,495	0	0	0	0
Office	17	0	0	908	837	1,745
Office	17	81	103	0	0	103
Office	17	0	0	0	62	62
Office	17	0	0	140	0	140
Office	17	812	335	776	245	1,355
Office	17	0	0	0	110	110
Office	17	429	389	95	0	484
Office	17	311	261	0	0	261
Office	17	103	40	0	43	83
Retail	11	77	18	0	0	18
Office	17	296	232	0	203	435
Total		3,603	1,379	1,918	1,499	4,795

Electricity Emissions (metric tons/year)					
Existing			Future		
CO2	CH4	N2O	CO2	CH4	N2O
833	0	0	0	0	0
0	0	0	972	0	0
45	0	0	57	0	0
0	0	0	34	0	0
0	0	0	78	0	0
452	0	0	755	0	0
0	0	0	61	0	0
239	0	0	270	0	0
173	0	0	146	0	0
57	0	0	46	0	0
43	0	0	10	0	0
165	0	0	242	0	0
2,007	0	0	2,671	0	0

Office	17	0	59	0	0	59	0	0	0	33	0	0
Office	17	684	0	0	409	409	381	0	0	228	0	0
Retail	11	30	0	0	43	43	17	0	0	24	0	0
Office	17	0	0	0	270	270	0	0	0	150	0	0
Office	17	0	0	0	6	6	0	0	0	3	0	0
Office	17	0	256	0	0	256	0	0	0	142	0	0
Office	17	36	0	0	178	178	20	0	0	99	0	0
Office	17	0	0	0	550	550	0	0	0	306	0	0
Office	17	245	0	0	280	280	136	0	0	156	0	0
Office	17	0	0	0	147	147	0	0	0	82	0	0
Office	17	0	0	0	73	73	0	0	0	41	0	0
Office	17	45	0	0	700	700	25	0	0	390	0	0
Office	17	932	15	0	0	15	519	0	0	8	0	0
Office	17	0	0	0	1,267	1,267	0	0	0	706	0	0
Office	17	0	0	0	1,598	1,598	0	0	0	890	0	0
Office	17	1,710	1,553	0	0	1,553	953	0	0	865	0	0

Office	17	29	0	0	99	99	16	0	0	55	0	0
Office	17	0	0	0	6	6	0	0	0	3	0	0
Office	17	391	0	0	30	30	218	0	0	17	0	0
Office	17	0	0	386	72	459	0	0	0	255	0	0
Office	17	169	59	0	159	218	94	0	0	121	0	0
Total		4,270	1,942	386	5,888	8,216	2,378	0	0	4,576	0	0
Office	17	652	0	0	0	0	363	0	0	0	0	0
Office	17	1,068	0	0	0	0	595	0	0	0	0	0
Office		1,720	0	0	0	0	958	0	0	0	0	0

Note: Since concourse being demolished, then concourse shown in existing conditions only.

Office	17	288	0	0	590	590	160	0	0	329	0	0
Office	17	2,309	1,325	29	2,212	3,566	1,286	0	0	1,986	0	0
Retail	11	214	133	102	955	1,190	119	0	0	663	0	0
Office	17	623	84	0	1,542	1,626	347	0	0	905	0	0
Office	17	0	0	0	4	4	0	0	0	2	0	0
Office	17	40	0	0	0	0	22	0	0	0	0	0
Office	17	54	0	0	211	211	30	0	0	117	0	0
Office	17	795	127	0	0	127	443	0	0	71	0	0
Office	17	0	12	0	0	12	0	0	0	7	0	0
Office	17	0	0	0	858	858	0	0	0	478	0	0
Office	17	92	40	0	220	260	51	0	0	145	0	0
Retail	11	0	13	0	0	13	0	0	0	7	0	0
Office	17	273	101	357	0	458	152	0	0	255	0	0
Office	17	197	0	0	0	0	110	0	0	0	0	0
Office	17	431	0	0	0	0	240	0	0	0	0	0
Office	17	0	561	161	0	722	0	0	0	402	0	0
Office	17	0	237	0	0	237	0	0	0	132	0	0
Office	17	0	0	0	86	86	0	0	0	48	0	0
Office	17	0	0	0	114	114	0	0	0	64	0	0
Office	17	204	142	0	187	329	114	0	0	183	0	0
Total		5,520	2,776	648	6,978	10,403	3,075	0	0	5,794	0	0
Office	17	652	0	0	0	0	363	0	0	0	0	0
Office	17	1,068	0	0	0	0	595	0	0	0	0	0
Office		1,720	0	0	0	0	958	0	0	0	0	0

Office	17	0	0	0	167	167	0	0	0	93	0	0
Office	17	0	0	0	855	855	0	0	0	476	0	0
Office	17	39	35	79	305	420	22	0	0	234	0	0
Retail	11	342	0	0	0	0	190	0	0	0	0	0
Office	17	253	99	529	0	628	141	0	0	350	0	0
Office	17	184	0	135	0	135	103	0	0	75	0	0
Office	17	399	362	0	0	362	222	0	0	202	0	0
Office	17	0	0	0	375	375	0	0	0	209	0	0
Office	17	76	0	85	0	85	42	0	0	48	0	0
Office	17	0	0	0	1,195	1,195	0	0	0	666	0	0
Office	17	98	89	0	197	286	55	0	0	159	0	0
Total		1,391	585	829	3,095	4,509	775	0	0	2,512	0	0

Office	17	439	399	0	1,145	1,544	245	0	0	860	0	0
Office	17	42	102	0	3	105	24	0	0	58	0	0
Office	17	246	175	0	0	175	137	0	0	98	0	0
Office	17	378	343	0	0	343	211	0	0	191	0	0
Office	17	36	17	0	0	17	20	0	0	9	0	0
Office	17	168	152	0	0	152	93	0	0	85	0	0
Total		1,309	1,188	0	1,148	2,336	729	0	0	1,301	0	0

CO2e Emissions (metric tons/year)									
Existing			Total Emissions	Future			Total Emissions	Difference	
CO2	CH4	N2O		CO2	CH4	N2O			
833	0	2	835	0	0	0	0	-835	
0	0	0	0	972	1	2	974	974	
45	0	0	45	57	0	0	57	12	
0	0	0	0	34	0	0	34	34	
0	0	0	0	78	0	0	78	78	
452	0	1	453	755	0	2	757	304	
0	0	0	0	61	0	0	61	61	
239	0	0	239	270	0	1	270	31	
173	0	0	173	146	0	0	146	-27	
57	0	0	57	46	0	0	46	-11	
43	0	0	43	10	0	0	10	-33	
165	0	0	165	242	0	0	243	78	
2,007	1	4	2,012	2,671	1	5	2,678	666	

0	0	0	0	33	0	0	33	33
381	0	1	382	228	0	0	228	-154
17	0	0	17	24	0	0	24	7
0	0	0	0	150	0	0	151	151
0	0	0	0	3	0	0	3	3
0	0	0	0	142	0	0	143	143
20	0	0	20	99	0	0	99	79
0	0	0	0	306	0	1	307	307
136	0	0	137	156	0	0	156	20
0	0	0	0	82	0	0	82	82
0	0	0	0	41	0	0	41	41
25	0	0	25	390	0	1	391	366
519	0	1	520	8	0	0	8	-512
0	0	0	0	706	0	1	708	708
0	0	0	0	890	0	2	892	892
953	0	2	955	865	0	2	867	-88

16	0	0	16	55	0	0	55	39
0	0	0	0	3	0	0	3	3
218	0	0	218	17	0	0	17	-202
0	0	0	0	255	0	1	256	256
94	0	0	94	121	0	0	122	27
2,378	1	5	2,384	4,576	2	9	4,588	2,204

363	0	1	364	0	0	0	0	-364
595	0	1	596	0	0	0	0	-596
958	0	2	961	0	0	0	0	-961

160	0	0	161	329	0	1	329	169
1,286	1	3	1,289	1,986	1	4	1,991	702
119	0	0	120	663	0	1	664	545
347	0	1	348	905	0	2	908	560
0	0	0	0	2	0	0	2	2
22	0	0	22	0	0	0	0	-22
30	0	0	30	117	0	0	118	88
443	0	1	444	71	0	0	71	-373
0	0	0	0	7	0	0	7	7
0	0	0	0	478	0	1	479	479
51	0	0	51	145	0	0	145	94
0	0	0	0	7	0	0	7	7
152	0	0	153	255	0	1	256	103
110	0	0	110	0	0	0	0	-110
240	0	0	241	0	0	0	0	-241
0	0	0	0	402	0	1	403	403
0	0	0	0	132	0	0	132	132
0	0	0	0	48	0	0	48	48
0	0	0	0	64	0	0	64	64
114	0	0	114	183	0	0	184	70
3,075	2	6	3,083	5,794	3	12	5,809	2,726

363	0	1	364	0	0	0	0	-364
595	0	1	596	0	0	0	0	-596
958	0	2	961	0	0	0	0	-961

0	0	0	0	93	0	0	93	93
0	0	0	0	476	0	1	477	477
22	0	0	22	234	0	0	234	213
190	0	0	191	0	0	0	0	-191
141	0	0	141	350	0	1	351	209
103	0	0	103	75	0	0	76	-27
222	0	0	223	202	0	0	202	-20
0	0	0	0	209	0	0	209	209
42	0	0	43	48	0	0	48	5
0	0	0	0	666	0	1	667	667
55	0	0	55	159	0	0	160	105
775	0	2	777	2,512	1	5	2,518	1,741

245	0	0	245	860	0	2	862	617
24	0	0	24	58	0	0	58	35
137	0	0	137	98	0	0	98	-39
211	0	0	211	191	0	0	192	-19
20	0	0	20	9	0	0	9	-11
93	0	0	94	85	0	0	85	-9
729	0	1	731	1,301	1	3	1,305	574

Other Facility Elec Calcs
Electricity

Emission Factors		Source	GWP	
CO2	1,228 lbs/MWh	2007 CCAR Report	CO2	1
CH4	0 lbs/MWh	eGRID - CAMX	CH4	21
N2O	0 lbs/MWh	eGRID - CAMX	N2O	310

Global warming potential (GWP) values from IPCC, Second Assessment Report (SAR), 1996.

Facility	Approximate Size (Sq. Ft.)	Building Type	Factor (kWh/sq. ft.)	Annual Usage MWh	
				Existing	Future
LAFD Station No. 80/ARFF	14,000			<i>Analyzed under CFTP</i>	
American Eagle Commuter Terminal	16,500	Office	17	277	277
American Airlines (Former TWA) Maintenance Hangar	56,500	Service	8	429	0
AOA Access Post #5	144	Office	17	2	2
Vehicle Parking at east end of World Way West	n/a	n/a	0	0	0
Water Deluge Tanks	n/a	n/a	0	0	0
Sky Chefs Flight Kitchen	270,000	Food Service	46	12,339	12,339
AA Low Bay Hangar	170,000	Office	17	2,856	0
Liquid Gas and Fueling Station	n/a	n/a	0	0	0
Fuel Vault	20	n/a	0	0	0
ASIG GSE Storage	7,000	Storage	8	53	0
GSE Apron	n/a	n/a	0	0	0
RON Aircraft Parking	n/a	n/a	0	0	0
Menzies GSE Maintenance	13,000	Service	8	99	0
Total				16,055	12,619

Electricity Emissions (metric tons/year)					
Existing			Future		
CO2	CH4	N2O	CO2	CH4	N2O
154	0	0	154	0	0
239	0	0	0	0	0
1	0	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
6,872	0	0	6,872	0	0
1,591	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
29	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
55	0	0	0	0	0
8,942	0	0	7,028	0	0

CO2e Emissions (metric tons/year)								
Existing			Total Emissions	Future			Total Emissions	Difference
CO2	CH4	N2O		CO2	CH4	N2O		
154	0	0	155	154	0	0	155	0
239	0	0	240	0	0	0	0	-240
1	0	0	1	1	0	0	1	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
6,872	4	14	6,890	6,872	4	14	6,890	0
1,591	1	3	1,595	0	0	0	0	-1,595
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
29	0	0	29	0	0	0	0	-29
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
55	0	0	55	0	0	0	0	-55
8,942	5	18	8,965	7,028	4	14	7,046	-1,919

Table C20 Electricity Consumption and Conditional Energy Intensity by Climate Zone^a

	Electricity Energy Intensity (kWh/square foot)				
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
	1	12	13	14	15
Principal Building Activity					
Education	8.2	8.0	11.1	12.7	16.0
Food Sales	43.0	Q	Q	Q	Q
Food Service	29.3	30.6	Q	45.7	46.3
Health Care	20.6	23.3	19.2	23.7	27.6
Inpatient	23.7	27.7	23.3	28.2	34.0
Outpatient	16.7	17.4	13.7	13.4	Q
Lodging	10.1	15.9	Q	14.0	16.7
Retail (Other Than Mall).....	14.2	11.0	14.8	11.3	25.9
Office	13.9	18.2	17.1	16.8	19.2
Public Assembly	9.1	9.5	Q	19.7	17.0
Public Order and Safety	Q	Q	Q	Q	Q
Religious Worship	3.0	3.5	4.9	4.8	10.1
Service	10.6	9.6	Q	7.6	Q
Warehouse and Storage	7.0	9.6	7.9	7.5	5.0
Other	Q	24.6	Q	Q	Q
Vacant	Q	Q	Q	Q	Q

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet. In the 1999 CBECS, malls represented 9.7 percent of total electricity consumption.

^a Climate zone (30-year average) definitions: Zone 1 = Under 2,000 CDD and more than 7,000 HDD; Zone 2 = Under 2,000 CDD and 5,500-7,000 HDD; Zone 3 = Under 2,000 CDD and 4,000-5,499 HDD; Zone 4 = Under 2,000 CDD and fewer than 4,000 HDD; Zone 5 = 2,000 CDD or more and fewer than 4,000 HDD. (See "Glossary" for definitions of CDD and HDD.)

^b The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences. Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample that use electricity.

Notes: • Statistics for the "Energy End Uses" category represent total consumption in buildings that have the end use, not consumption specifically for that particular end use. • HVAC = Heating, Ventilation, and Air Conditioning. • Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.

CDD: See Cooling Degree-Days (CDD)

Heating Degree-Days (HDD): A measure of how cold a location was over a period of time, relative to a base temperature. In CBECS, the base temperature used is 65 degrees Fahrenheit, and the period of time is one year. The heating degree-day is the difference between that day's average temperature and 65 degrees if the daily average is less than 65; it is zero if the daily average temperature is greater than or equal to 65. Heating degree-days for a year are the sum of the daily heating degree-days for days that year.

Energy Improvements

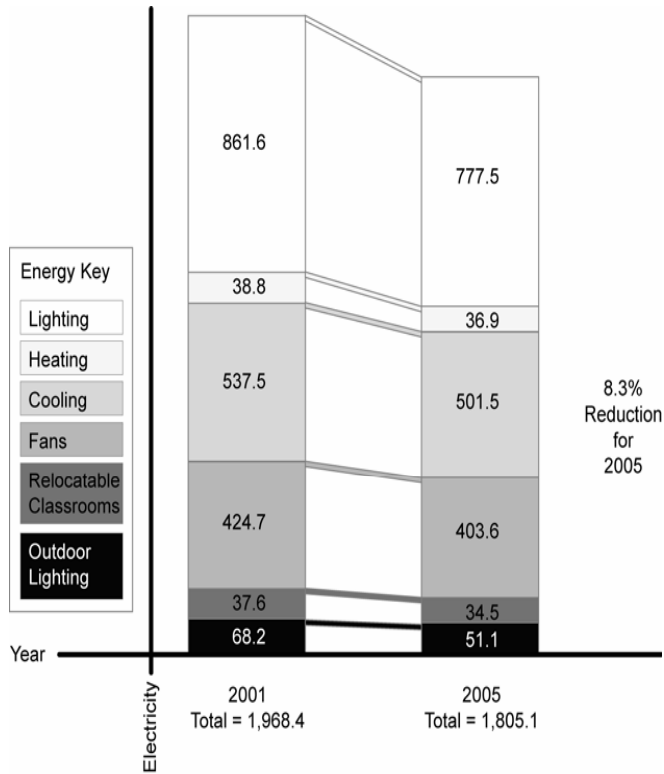
Source	Electricity		% Reduction
	2001	2005	
Lighting	861.6	777.5	-9.8%
Heating	38.8	36.9	-4.9%
Cooling	537.5	501.5	-6.7%
Fans	424.7	403.6	-5.0%
Relocatable Classrooms	37.6	34.5	-8.2%
Outdoor Lighting	68.2	51.1	-25.1%
Total	1968.4	1805.1	-8.3%

LAWA Credit	
Year	Elect.
2001	1930.8
2005	1770.6
% Reduction	8.3%

(minus Relocatable Classrooms)

LEED Credit (Energy Optimization)
17.5%

Total Credit 9.2%



Source: CEC Impact Analysis 2005 Update Table 2 (P400-03-014)

New ARFF building expected to have 3 points for energy optimization

Credit 1
1–10 points
Optimize Energy Performance

Two (2) points mandatory for all LEED for New Construction projects registered after June 26, 2007

Intent

Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

Requirements

Select one of the four compliance path options described below. Project teams documenting achievement using any of these options are assumed to be in compliance with EA Prerequisite 2.

NOTE: LEED for New Construction projects registered after June 26th, 2007 are required to achieve at least two (2) points under EAcl.

OPTION 1 — WHOLE BUILDING ENERGY SIMULATION (1–10 Points)

Demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004 by a whole building project simulation using the Building Performance Rating Method in Appendix G of the Standard. The minimum energy cost savings percentage for each point threshold is as follows:

New Buildings	Existing Building Renovations	Points
10.5%*	3.5%*	1
14%	7%	2
17.5%	10.5%	3
21%	14%	4
24.5%	17.5%	5
28%	21%	6
31.5%	24.5%	7
35%	28%	8
38.5%	31.5%	9
42%	35%	10

EMISSIONS FROM LIGHTING

Emission Factors		Source	GWP	
CO2	1,227.89 lbs/MWh	LADWP CCAR Reports	CO2	1
CH4	0.036 lbs/MWh	Table 14.1	CH4	21
N2O	0.008 lbs/MWh	Table 14.1	N2O	310

Global warming potential (GWP) values from IPCC, Second Assessment Report (SAR), 1996.

Emissions - Existing Conditions (Baseline)

Facility	Usage (MWh)	Emissions (metric tons)			Emissions, CO2e (metric tons)			Total
		CO2	CH4	N2O	CO2	CH4	N2O	
North Concourse	178	99	2.91E-03	6.46E-04	99	6.10E-02	2.00E-01	99
South Concourse	190	106	3.11E-03	6.90E-04	106	6.52E-02	2.14E-01	106
Bradley Core Improvements	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0
S & T Taxiways / TBIT APRON	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0
LAFD Station 80	16	9	2.68E-04	5.95E-05	9	5.62E-03	1.84E-02	9
AA Commuter Terminal (Bldg.207)	33	18	5.36E-04	1.19E-04	18	1.12E-02	3.69E-02	18
AA Commuter Terminal (Bldg.402)	8	5	1.34E-04	2.98E-05	5	2.81E-03	9.22E-03	5
TWA Maintenance Hanger	164	91	2.68E-03	5.95E-04	91	5.62E-02	1.84E-01	92
Guard Post 5	10	6	1.67E-04	3.72E-05	6	3.51E-03	1.15E-02	6
Water Deluge Tanks	16	9	2.68E-04	5.95E-05	9	5.62E-03	1.84E-02	9
Sky Chefs Flight Kitchen	146	81	2.38E-03	5.28E-04	81	4.99E-02	1.64E-01	81
AA Low Bay Hanger	25	14	4.02E-04	8.93E-05	14	8.44E-03	2.77E-02	14
Fueling Station	16	9	2.68E-04	5.95E-05	9	5.62E-03	1.84E-02	9
ASIG GSE	7	4	1.17E-04	2.60E-05	4	2.46E-03	8.07E-03	4
GSE Apron E21	25	14	4.02E-04	8.93E-05	14	8.44E-03	2.77E-02	14
Emergency TBIT Towers	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0
Construction Fence	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0
Menzies Maintenance	51	29	8.37E-04	1.86E-04	29	1.76E-02	5.77E-02	29
TBIT (West S de)	3	2	4.69E-05	1.04E-05	2	9.84E-04	3.23E-03	2
Total	889	495	1.45E-02	3.22E-03	495	3.05E-01	1.00E+00	496

Emissions - New Lighting Conditions

Facility	Usage (MWh)	Emissions (metric tons)			Emissions, CO2e (metric tons)			Total	CO2e Difference (metric tons)
		CO2	CH4	N2O	CO2	CH4	N2O		
North Concourse	178	99	2.91E-03	6.46E-04	99	6.10E-02	2.00E-01	99	0
South Concourse	190	106	3.11E-03	6.90E-04	106	6.52E-02	2.14E-01	106	0
Bradley Core Improvements	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	0
S & T Taxiways / TBIT APRON	13	7	2.14E-04	4.76E-05	7	4.50E-03	1.48E-02	7	7
LAFD Station 80	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-9
AA Commuter Terminal (Bldg.207)	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-18
AA Commuter Terminal (Bldg.402)	25	14	4.02E-04	8.93E-05	14	8.44E-03	2.77E-02	14	9
TWA Maintenance Hanger	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-92
Guard Post 5	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-6
Water Deluge Tanks	16	9	2.68E-04	5.95E-05	9	5.62E-03	1.84E-02	9	0
Sky Chefs Flight Kitchen	146	81	2.38E-03	5.28E-04	81	4.99E-02	1.64E-01	81	0
AA Low Bay Hanger	25	14	4.02E-04	8.93E-05	14	8.44E-03	2.77E-02	14	0
Fueling Station	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-9
ASIG GSE	7	4	1.17E-04	2.60E-05	4	2.46E-03	8.07E-03	4	0
GSE Apron E21	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-14
Emergency TBIT Towers	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	0
Construction Fence	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	0
Menzies Maintenance	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-29
TBIT (West S de)	0	0	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0	-2
Total	600	334	9.79E-03	2.18E-03	334	2.06E-01	6.75E-01	335	-161

Equations

CO2, CH4, or N2O Emissions = Emission factor (lbs/MWh) x Usage (MWh) x 453.6 (g/lb) x 10⁻⁶ (metric ton/g)
 CO2e Emissions = CH4 or N2O (metric ton) x GWP

Lighting System (North Concourse)

MW = 39 Pole Mounted Lights x 1000 (Watts) + 11 Building Mounted Lights x 400 (Watts) / 1000000(W/MW)
 Emissions = Emission factor (lbs/MWh) x Hours of Operation(H) x Rating (MW) x 453.6 (g/lb) x 10⁻⁶ (metric ton/g)

Source of Emission Factors:

CH4 and N2O:
 The Climate Registry. 2008. General Reporting Protocol. Version 1.1. May.

Light Configurations

Lighting Changes:

New NET Wattage/MWh = Existing lighting minus removed lighting plus new lighting

LIGHT SOURCES	(Comments)	Existing Lights (Baseline)			
		Pole Lights	Rating (W)	Bldg. Lights/Fixtures	Rating (W)
Concourses	(North)	39	1,000	11	400
	(South)	40	1,000	16	400
Bradley Core Improvements	Ramp Lighting				
S & T Taxiways / TBIT APRON	High mast flood lighting				
	Medium intensity taxiway edge lights				
	Roadway lighting				
	Centerline lighting bases and LED fixtures				
	Special lighting				
LAFD Station 80	Demo.	4	1,000		
AA Commuter Terminal	(Bldg 207 Demo)	8	1,000		
	Bldg. 402 Reconst.	2	1,000		
TWA Maintenance Hanger	East Side			6	500
	North Side - Round			20	500
	North Side - Wall Mounted	7	1,000	10	500
	Ramps	8	1,000		
	West Side	10		14	500
Guard Post 5	Demo.	2	1,000	1	500
Water Deluge Tanks	Relocation Only	7	500	1	500
Sky Chefs Flight Kitchen	East Side	2	500	2	500
	North Side	46	500		
	South Side	15	500	6	500
AA Low Bay Hanger	Relocate (No info. about lights provided)			12	500
Fueling Station	Removal	3	1,000	2	500
ASIG GSE	Demo.			7	250
GSE Apron E21	Demo.	6	1,000		
Emergency TBIT Towers	Relocation	No Lights			
Construction Fence	Temporary - None Determined				
Menzies Maintenance	Demo.	5	1,000	15	500
TBIT	West Side			10	70
Totals					

Annual Usage (H) 4100
 LED Wattage (W) 8.5
 In-Pavement Halogen (W) 10
 W/MW 1,000,000

Baseline Wattage	MWh
43,400	177.9
46,400	190.2
0	0
0	0
0	0
0	0
0	0
0	0
4,000	16.4
8,000	32.8
2,000	8.2
3,000	12.3
10,000	41.0
12,000	49.2
8,000	32.8
7,000	28.7
2,500	10.3
4,000	16.4
2,000	8.2
23,000	94.3
10,500	43.1
6,000	24.6
0	0.0
4,000	16.4
1,750	7.2
6,000	24.6
	0.0
0	0.0
12,500	51.3
700	2.9
216,750	889

LIGHTING CHANGES					
Remove		New		New NET Wattage	MWh
Pole Lt.	Rating (W)	Pole Lt.	Rating (W)		
				43,400	177.9
				46,400	190.2
				0	0.0
		2	1,000	2,000	8.2
				0	0.0
		120	10	1,200	4.9
4	1,000			0	0.0
8	1,000			0	0.0
2	1,000	6	1,000	6,000	24.6
6	500			0	0.0
20	500			0	0.0
17	706			0	0.0
8	1,000			0	0.0
24	292			0	0.0
3	833			0	0.0
				4,000	16.4
				2,000	8.2
				23,000	94.3
				10,500	43.1
				6,000	24.6
				0	0.0
5	800			0	0.0
				1,750	7.2
6	1,000			0	0.0
				0	0.0
				0	0.0
20	625			0	0.0
10	70			0	0.0
				146,250	600

Appendix H
LAX Bradley West Project Draft EIR

Biological Resources Surveys

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

BonTerra Consulting
151 Kalmus Drive, Suite E-200
Costa Mesa, California 92626

Appendix H Biological Resources Surveys

Appendix H-1 Biological Constraints Survey

Appendix H-2 Tree Survey Report

Appendix H-3 Western Spadefoot Presence/Absence Survey Report

Appendix H-4 Riverside Fairy Shrimp Wet Season Presence/Absence Survey Report

H. Biological Resources Survey

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Appendix H-1
LAX Bradley West Project Draft EIR

Biological Constraints Survey

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

BonTerra Consulting
151 Kalmus Drive, Suite E-200
Costa Mesa, California 92626

February 23, 2009

Ms. Robin Ijams
Camp Dresser and McKee Inc.
111 Academy, Suite 150
Irvine, California 92617

VIA EMAIL
ijamsre@cdm.com

Subject: Biological Constraints Survey for the Tom Bradley International Terminal Reconfiguration Project in the City of Los Angeles, Los Angeles County, California

Dear Ms. Ijams:

This Letter Report summarizes the findings of a biological constraints survey for the Tom Bradley International Terminal (TBIT) Reconfiguration Project (hereafter referred to as the "project") located in the City of Los Angeles in Los Angeles County, California. The purpose of the survey was to map the existing vegetation and to evaluate any potential biological constraints associated with the proposed project. In addition, biological impacts associated with the proposed project were evaluated and recommended mitigation measures are included to reduce identified impacts.

PROJECT LOCATION

The project site is located in the southwestern portion of the City of Los Angeles in Los Angeles County, California (Exhibit 1). The project site consists of a main project area and a number of construction staging, laydown and parking areas. While not all of the staging areas may be used during construction, all were included in this biological constraints survey. The main project area and all of the potential construction staging, laydown and parking areas are located within the Los Angeles International Airport (LAX), which is bordered by Westchester Parkway to the north, Imperial Highway to the south, Pershing Drive to the west, and La Cienega Boulevard to the east (Exhibit 2). Specifically, the main project area (TBIT Reconfiguration Project) is located near the center of LAX, on both the western and eastern sides of Service Road 49. The separate component areas consist of the following:

- North Construction Staging Area and Contractor Employee Parking Area, located in the northern portion of LAX just south of Westchester Parkway;
- Materials/Plant Area, located in the western portion of LAX, south of World Way West and just east of Pershing Drive;
- South Contractor Employee Parking Area, located in the eastern portion of LAX, between Aviation and La Cienega Boulevards;
- Continental Property, located in the southeastern corner of LAX, between 111th Street and Imperial Highway;
- Staging Laydown Areas 4, 8, 10, 11, 16, 18 and 24, located in the northern portion of LAX, on the northern and southern sides of Westchester Parkway, south of La Tijera Boulevard and east of La Tijera Parkway;



- Staging Laydown Areas 14, 19 and 23, located in the northern portion of LAX, between Westchester Parkway and Northside Parkway;
- Staging Laydown Areas 7 and 15, located in the western portion of LAX, just east of Pershing Drive and south of the Materials/Plant Area;
- Staging Laydown Areas 12 and 21, located in the southern portion of LAX, just north of Imperial Highway;
- Staging Laydown Area 17, located in the southern portion of LAX, north of Imperial Highway, just east of Laydown Areas 12 and 21;
- Staging Laydown Area 13, located in the eastern portion of LAX, south of Century Boulevard and west of Aviation Boulevard;
- Staging Laydown Area 26, located in the eastern portion of LAX, just west of Laydown Area 13;
- Staging Laydown Area 25, located in the eastern portion of LAX, south of Century Boulevard, and east of Aviation Drive;
- Staging Laydown Area 22, located in the eastern portion of LAX, south of Century Boulevard, and west of Aviation Drive; and
- Staging Laydown Area 9, located near the center of LAX, north of Center Way, and east of Connecting Road.

The project site is located on the Inglewood and Venice U.S. Geological Survey (USGS) 7.5-minute quadrangles of the San Bernardino Meridian. Land uses in the immediate vicinity of the project site are commercial and residential.

SURVEY METHODS

Prior to the field survey, the California Native Plant Society's (CNPS) Inventory of Rare and Endangered Vascular Plants of California (CNPS 2008) and the California Department of Fish and Game's (CDFG) California Natural Diversity Database (CNDDB) (CDFG 2008) were reviewed to identify special status plants, wildlife, and habitats known to occur in the vicinity of the project site. Database searches included the USGS Inglewood, Venice, Redondo Beach, Torrance, Hollywood, and Beverly Hills 7.5-minute quadrangles. In addition, past technical studies for the area including the LAX Master Plan Final Environmental Impact Report (EIR) (City of Los Angeles 2004) and Final Environmental Impact Statement (EIS) (FAA 2005) were reviewed.

The field survey was conducted on November 24, 2008, by BonTerra Consulting Senior Biologist Stacie Tennant and Botanist/Restoration Ecologist Jeff Crain, to map the vegetation and to evaluate the potential of habitats to support special status plant and wildlife species on the project site. All plant species observed were recorded in field notes. Plant species were identified in the field or collected for future identification. Plants were identified using keys in Hickman (1993), Munz (1974), Abrams (1923, 1944, 1951), and Abrams and Ferris (1960). Taxonomy follows Hickman (1993) and current scientific data (e.g., scientific journals) for scientific and common names. The *Sunset Western Garden Book* (Brenzel 1995) was used for ornamental species that were not included in the references listed above.

All wildlife species detected during the course of the survey were documented in field notes. Active searches for reptiles and amphibians included lifting, overturning, and carefully replacing rocks and debris. Birds were identified by visual and auditory recognition. Surveys for mammals were

conducted during the day and included searching for and identifying diagnostic sign, including scat, footprints, scratch-outs, dust bowls, burrows, and trails. Taxonomy and nomenclature for wildlife generally follows Fisher and Case (1997) for amphibians and reptiles, American Ornithologists' Union (2006) for birds, and Baker et al. (2003) for mammals.

SURVEY RESULTS

Vegetation Types and Other Areas

Vegetation types and other areas found on the project site consist of southern willow scrub, mule fat scrub, non-native grassland, ruderal, ornamental, disturbed/ruderal, disturbed, disturbed/developed, and developed areas (Exhibits 3a to 3g). Exhibit 4 presents representative site photographs.

Southern willow scrub was dominated by arroyo willow (*Salix lasiolepis*) and Goodding's black willow (*Salix gooddingii*). A small patch of this vegetation type was noted in a drainage on the Continental Property. Mule fat scrub was dominated by mule fat (*Baccharis salicifolia*) and sandbar willow (*Salix exigua*). This vegetation was identified on both the Continental Property and the Materials/Plant Area.

Non-native grassland vegetation was dominated by wild oat (*Avena fatua*), black mustard (*Brassica nigra*), wild radish (*Raphanus sativus*), and foxtail chess (*Bromus madritensis* ssp. *rubens*). This vegetation type was observed on the Continental Property.

Ruderal vegetation was dominated by black mustard, telegraph weed (*Heterotheca grandiflora*), common plantain (*Plantago major*), common horseweed (*Conyza canadensis*), shortpod mustard (*Hirschfeldia incana*), wild oat, and foxtail chess. This vegetation type was the most common within the component areas.

Ornamental vegetation was dominated by acacia (*Acacia* sp.) and gum tree (*Eucalyptus* sp.) This vegetation type was identified in both the North Construction Staging and Contractor Employee Parking Area and the Materials/Plant Area.

The remaining areas of the project site contain disturbed/ruderal, disturbed, disturbed/developed, and developed areas. Disturbed/ruderal areas were characterized by sparse ruderal vegetation and signs of recent soil disturbance. Undeveloped sites that were void of vegetation due to recent soil disturbance were considered disturbed. Developed areas include the parking, paved, and built areas.

Wildlife Habitat

Vegetation on the project site provides little habitat for native wildlife species. Wildlife species observed or expected to occur on the project site include species associated with urban habitats. The only reptile species observed was the western fence lizard (*Sceloporus occidentalis*). Bird species observed include the Cooper's hawk (*Accipiter cooperii*), red-tailed hawk (*Buteo jamaicensis*), American kestrel (*Falco sparverius*), killdeer (*Charadrius vociferus*), rock pigeon (*Columba livia*), mourning dove (*Zenaida macroura*), Anna's hummingbird (*Calypte anna*), northern flicker (*Colaptes auratus*), black phoebe (*Sayornis nigricans*), American crow (*Corvus brachyrhynchos*), northern mockingbird (*Mimus polyglottos*), yellow-rumped warbler (*Dendroica coronata*), white-crowned sparrow (*Zonotrichia leucophrys*), western meadowlark (*Sturnella neglecta*), house finch (*Carpodacus mexicanus*), and house sparrow (*Passer domesticus*). Mammals, or their sign, observed on the project site include California ground squirrel (*Spermophilus beecheyi*), Botta's pocket gopher (*Thomomys bottae*), and red fox (*Vulpes vulpes*).

Special Status Vegetation Types

Special status vegetation types are considered to be “depleted” habitats by the CDFG (CDFG 2008) and other resource agencies. They are typically protected by ordinance, code, or regulation under which conformance typically requires a permit or other discretionary action prior to impacting the habitat. Two special status vegetation types occur on the project site: southern willow scrub and mule fat scrub.

Jurisdictional Areas

Drainages, which may include “waters of the U.S.,” are protected under Section 404 of the Clean Water Act and are under the jurisdiction of the U.S. Army Corps of Engineers (USACE). “Waters of the U.S.” include navigable coastal and inland waters, lakes, rivers, streams, and their tributaries; interstate waters and their tributaries; wetlands adjacent to such waters; intermittent streams; and other waters that could affect interstate commerce. In addition, if drainages on the project site meet the criteria established by Section 1600 of the *California Fish and Game Code*, the CDFG may require a Streambed Alteration Agreement prior to any modification of the bed, bank, or channel of streambeds on the project site. A previous jurisdictional delineation was conducted in 2001 for the LAX Master Plan and potential jurisdictional areas were identified on the project site. BonTerra Consulting is currently updating the delineation. The results of the delineation will be submitted under separate cover.

Special Status Plant and Wildlife Species

Plants or wildlife may be considered “special status” due to declining populations, vulnerability to habitat change, or restricted distributions. Certain special status species have been listed as Threatened or Endangered under the California and/or Federal Endangered Species Acts (CESA and/or FESA, respectively).

Special Status Plants

Several special status plant species are known to occur in the region. Suitable habitat is not present on the project site for any Threatened or Endangered plant species; therefore, none of these species are expected to occur on the project site. Three special status plant species have potential to occur within the project site. These include Lewis’ evening-primrose (*Camissonia lewisii*), southern tarplant (*Centromadia parryi* ssp. *australis*), and California spineflower (*Mucronea californica*). The presence of these species may be considered constraints according to Section 15380 of the California Environmental Quality Act (CEQA) if they are present in substantial numbers. Table 1 of Appendix A provides a summary of each special status plant species reported in the vicinity of the project, including information on status and likelihood of occurrence in each component area of the project site. No Lewis’ evening primrose or California spineflower individuals were observed in any of the component areas during the November 2008 field survey. However, these species are not expected to occur at this time of year.

The southern tarplant was observed on the South Contractor Employee Parking Area and the Continental Property during the field survey in ruderal vegetation (Exhibit 5). This species is a CNPS List 1B.1 species and typically blooms from May to November (CNPS 2008). This annual herb occurs in disturbed areas in the margins of marshes and swamps, valley and foothill grasslands, and vernal pools below 1,500 feet above mean sea level. It occurs in Los Angeles, Orange, Santa Barbara, San Diego, and Ventura counties. The number of individuals in a population can be highly variable from year to year, based on timing and amount of annual rainfall. Very little is known about pollinators for this species; however, they are likely pollinated by native

honey bees and bumblebees. Approximately 300 individuals were observed in two patches within the Continental Property (approximately 0.76 acre). Only a single individual was identified in the South Contractor Employee Parking Area.

Special Status Wildlife

Several special status wildlife species are known to occur in the region. However, only Threatened or Endangered species typically present constraints to development. Table 2 of Appendix A provides a summary of each special status wildlife species reported in the vicinity of the proposed project, including information on status and likelihood of occurrence in each component area of the project site. Suitable habitat is not present on the project site for any Threatened or Endangered wildlife species with the exception of the Riverside fairy shrimp (*Streptocephalus woottoni*), which is discussed further below.

Three special status wildlife species have potential to occur within the project site. These include burrowing owl (*Athene cunicularia*), loggerhead shrike (*Lanius ludovicianus*), and San Diego black-tailed jackrabbit (*Lepus californicus bennettii*). The presence of these species may be considered constraints according to Section 15380 of the CEQA, if they are present in substantial numbers. No individuals of these species were observed within the component areas during the general survey conducted in November 2008.

Western spadefoot (*Spea hammondi*) were previously found within the Materials/Plant Area in the spring of 1996. Focused surveys for the western spadefoot were conducted within the Materials/Plant Area on March 19 and April 6, 2009, and this species was not observed. The results of the spadefoot surveys will be submitted under separate cover.

Riverside Fairy Shrimp

The Riverside fairy shrimp was listed as an Endangered species on August 3, 1993 (USFWS 1993). The distribution of this species occurs in among the most restricted ranges for any of the fairy shrimp on the west coast, known from Ventura, Los Angeles, Orange, western San Diego, and Riverside counties, and immediately south of the international border in Baja California, Mexico (USFWS 2005). They are found only in pools that are generally deep (greater than 30 centimeters [cm]) (Hathaway and Simovich 1996). Development and maturation are much slower in this species than other fairy shrimp, with an average of 7–8 weeks to fully mature (Hathaway and Simovich 1996). Due to this slow development, the minimum duration for inundation of a vernal pool or other depression that can support Riverside fairy shrimp is 9–10 weeks (Gonzalez et al. 1996; Hathaway and Simovich 1996).

Critical habitat was designated for the Riverside fairy shrimp on April 12, 2005, and includes 306 acres in Ventura, Orange, and San Diego counties (USFWS 2005). The project site is not within the designated critical habitat.

Riverside fairy shrimp were previously found within the Materials/Plant Area and were subsequently removed from the airport in accordance with two separate Biological Opinions issued by the U.S. Fish and Wildlife Service (USFWS) on April 20, 2004 and April 8, 2005 (Sapphos 2005). Several depressions with the potential to be considered fairy shrimp habitat were identified on November 24, 2008, on the Continental Property. These depressions are in addition to the areas addressed in the 2004 and 2005 Biological Opinions. On December 23, 2008, Mr. Crain conducted a field survey to verify if these depressions were ponding. Several ponding areas were identified during this survey and focused surveys are currently being conducted to determine presence/absence of the Riverside fairy shrimp in these ponds. If present, a Mitigation Plan will need to be developed and

consultation with the USFWS will be required in accordance with Section 7 of the FESA. Suitable habitat is not present for the fairy shrimp in any other component areas of the project site.

Other Considerations

Migratory Bird Treaty Act and Nesting Raptors

Portions of the project site have the potential to support birds subject to the Migratory Bird Treaty Act (MBTA). These include the North Construction Staging and Contractor Employee Parking Area, Materials/Plant Area, Continental Property, and Staging Laydown Areas 4, 8, 10, 11, 16, 18, and 24. The MBTA prohibits activities that result in the direct take (defined as killing or possession) of a migratory bird. This includes the occupied nests of all native bird species, including common species such as mourning dove, Anna's hummingbird, and house finch. In addition, regulations prohibit activities that "take, possess or destroy" any raptor nest or egg (CDFG Code §3503, §3503.5, and §3513).

PROJECT IMPACTS

The impacts in this section below assume that the entire project site will be directly impacted.

Special Status Vegetation Types

The proposed project would impact southern willow scrub and mule fat scrub. Impacts to southern willow scrub and mule fat scrub would be considered adverse, but not significant due to the small amount being impacted by the proposed project. Given the small amount impacted, relative to the availability of suitable habitat in the region, these vegetation types are not expected to be a significant impact under CEQA.

Special Status Plants

Southern tarplant was observed on the project site and impacts on this species would be considered adverse and require mitigation (see Mitigation for Special Status Plants below).

Two additional special status plant species (Lewis' evening-primrose and California spineflower) have potential to occur on the project site. Focused special status plant surveys are recommended for the project site prior to construction. If present, impacts on these species can be considered adverse, per CEQA, if the lead agency determines that the species observed and the size of the population impacted would result in substantial harm to the species. Any impacts on these species would be reduced through the implementation of the Mitigation Measures listed in the following section.

Special Status Wildlife

The Riverside fairy shrimp may occur on the project site and impacts on this species would be considered significant and require mitigation. Any impacts on this species would be reduced to the level of less than significant following implementation of the Mitigation Measures below.

The burrowing owl may occur on the project site. Focused surveys are recommended for the project site prior to construction. If present, impacts on these species can be considered significant, per CEQA, if the lead agency determines that the species observed and the size of the population warrant a significance finding. Any impacts on these species would be reduced to a level of less than significant following implementation of the Mitigation Measures listed in the following section.

The loggerhead shrike and San Diego black-tailed jackrabbit may occur on the project site. If present, impacts on these species can be considered adverse. Any impacts on these species would be addressed by implementation of the Mitigation Measures listed below.

MITIGATION FOR SPECIAL STATUS PLANTS

Southern Tarplant

Los Angeles World Airports (LAWA) or its designee shall prepare a special status plant mitigation program for the southern tarplant. The loss of the southern tarplant individuals shall be mitigated through seed collection and seeding into a suitable mitigation site within undeveloped property owned by LAWA or at a suitable off-site location, determined based on habitat, soil type, moisture levels, and other relevant conditions. One suitable off-site location is the Three Sisters Reserve located on the Palos Verdes Peninsula.

A qualified seed collector shall monitor the tarplant phenology to determine the appropriate timing for seed collection. Tarplant seed shall be collected from all tarplants within the impact area, which shall be delineated in the field with lath and flagging by a qualified biologist. The biologist shall ensure that seed shall only be collected from plants that will be impacted by the proposed project. Upon completion of seed collection, the seed collector shall clean the seeds to prepare for the seeding effort.

A Southern Tarplant Mitigation Plan shall be developed at a level of detail necessary for successful program implementation by a landscape contractor. The detailed program shall contain the following items:

- ♦ *Responsibilities and qualifications of the personnel to implement and supervise the plan.* The plan shall specify the responsibilities and qualifications of the personnel who will supervise and implement the mitigation plan, including LAWA, Technical Specialists, and Maintenance Personnel.
- ♦ *Site selection.* The site for the mitigation shall be determined in coordination with LAWA, and shall be located in a suitable area within the boundaries of LAX or at a suitable off-site location. The appropriate site shall consist of approximately 0.76 acre and shall have suitable hydrology, soils, and other factors necessary for the establishment of the southern tarplant. Such suitable sites exist within the boundaries of LAX, including but not limited to areas within LAX Northside and in the southwestern portion of the airport, west of the south airfield complex. If a site at LAX is selected, site selection will occur in consultation with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Mitigation Plan" to avoid increasing wildlife hazards to aircraft.
- ♦ *Site preparation and planting implementation.* The plan shall include specifications for seed collection and storage and guidelines for on-site preparation. The guidelines shall contain specifications for (1) existing native species protection; (2) trash and weed removal; (3) soil treatments (e.g., imprinting and decompacting); (4) temporary irrigation installation as needed; (5) erosion control measures (e.g., rice or willow wattles); and (6) seed application.
- ♦ *Schedule.* A schedule shall be developed, which includes planting, to occur in late fall and early winter (between October and January 30).

- ♦ *Maintenance plan/guidelines.* A three to five year maintenance plan shall include (1) weed control; (2) herbivory control; (3) trash removal; (4) irrigation system maintenance; (5) maintenance training; and (6) replacement seeding, if necessary. Ten percent of the original seed collected shall be stored in the event it is needed for replacement seeding.
- ♦ *Monitoring plan.* The monitoring plan shall include the following success criteria:
 - Germination, flowering and seed set of 60 percent of the original population size in year one;
 - Germination, flowering and seed set of 80 percent of the original population size by year three;
 - Germination, flowering and seed set of 100 percent of the original population size by year five.

If these success criteria are not met, or are unlikely to be met within the required time periods, remedial measures will be required. Such measures could include reseeded, transplanting container plants or selection of an alternative site if required.

This plan may include qualitative and quantitative monitoring. Qualitative monitoring includes site visits at regular intervals (i.e., monthly, quarterly, etc.) to determine the overall general performance of the site and maintenance needs. Quantitative monitoring is conducted on an annual basis and includes data collection specific to the performance standards established in the monitoring plan.

- ♦ *Long-term preservation.* Long-term preservation of the site shall also be outlined in the conceptual mitigation plan to ensure that future development does not impact the mitigation site.

Lewis' Evening Primrose

Prior to any work activities (i.e., vegetation clearing, invasive species removal and/or spraying, and sediment removal) on the project site, including construction staging areas, focused surveys shall be conducted during the period of March through May by a qualified biologist to determine the presence or absence of Lewis' evening primrose. Known populations of this species shall be monitored to determine the best time to conduct the surveys. The surveys shall follow guidelines developed by the CNPS and the CDFG. If this species is not observed, no further mitigation shall be required. If this plant species is observed on-site, a qualified botanist and LAWA shall evaluate the number of individuals, their location and the type of impact that would occur to determine if the anticipated impact would result in a substantial adverse effect or substantial net reduction in the population, given the species' rarity and abundance. If impacts are deemed not significant, no additional measures are warranted.

If it is determined that a substantial net reduction in population would occur, LAWA or its designee shall prepare and implement a plan to compensate for the loss of individuals of the sensitive Lewis' evening primrose. LAWA or its designee shall collect seed from those plants to be removed, and properly clean and store the collected seed until used. A mitigation site of suitable habitat equal to the area of impact shall be delineated within the boundaries of LAX or at a suitable off-site location. If a site at LAX is selected, site selection will occur in consultation with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Mitigation Plan" to avoid increasing wildlife hazards to aircraft. Collected seed shall be broadcast (distributed) after the first wetting rain. LAWA or its designee shall implement a monitoring plan to monitor the establishment

of individuals of Lewis' evening primrose for a period of not more than five years. Performance criteria shall include the establishment of an equal number of plants as that impacted in the first year following the distribution of seed within the mitigation site. Performance criteria shall also include confirmation of recruitment for two years following the first year flowering is observed and establishment of individuals throughout the mitigation area within three years following the first year flowering is observed.

California Spineflower

Prior to any work activities (i.e., vegetation clearing, invasive species removal and/or spraying, and sediment removal) on the project site, including construction staging areas, focused surveys shall be conducted during the period of March through July by a qualified biologist to determine the presence or absence of California spineflower. Known populations of this species shall be monitored to determine the best time to conduct the surveys. The surveys shall follow guidelines developed by the CNPS and the CDFG. If this species is not observed, no further mitigation shall be required. If this plant species is observed on-site, a qualified botanist and LAWA shall evaluate the number of individuals, their location and the type of impact that would occur to determine if the anticipated impact would result in a substantial adverse effect or substantial net reduction in the population, given the species' rarity and abundance. If impacts are deemed not significant, no additional measures are warranted.

If impacts to California spineflower are found to be adverse, LAWA or its designee shall prepare and implement a plan to compensate for the loss of individuals of the sensitive California spineflower. LAWA or its designee shall collect seed from those plants to be removed, and properly clean and store the collected seed until used. A mitigation site of suitable habitat equal to the area of impact shall be delineated within the boundaries of LAX or at a suitable off-site location. If a site at LAX is selected, site selection will occur in consultation with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Mitigation Plan" to avoid increasing wildlife hazards to aircraft. Collected seed shall be broadcast (distributed) after the first wetting rain. LAWA or its designee shall implement a monitoring plan to monitor the establishment of individuals of California spineflower for a period of not more than five years. Performance criteria shall include the establishment of an equal number of plants as that impacted in the first year following the distribution of seed within the mitigation site. Performance criteria shall also include confirmation of recruitment for two years following the first year flowering is observed and establishment of individuals throughout the mitigation area within three years following the first year flowering is observed.

MITIGATION FOR SPECIAL STATUS WILDLIFE

Riverside Fairy Shrimp

If Riverside fairy shrimp are found to be present within the Continental Property, LAWA shall coordinate with FAA and USFWS to initiate consultation under the FESA and prepare a Mitigation Plan in consultation with the USFWS. The plan shall provide mitigation for direct impacts to affected habitat through salvage and relocation of soil containing Riverside fairy shrimp. The receiver site of the soil and cysts shall be equal or greater in biological value, as determined by the USFWS.

Specific requirements of the Mitigation Plan shall be subject to the Section 7 consultation with USFWS, but generally will require that soils containing embedded cysts of the Riverside fairy shrimp be salvaged and translocated to created Riverside fairy shrimp habitat at a suitable site. One potential site is the Madrona Marsh Nature Center in Torrance, 20 miles south of LAX.

Responsibility for habitat creation and maintenance of the created habitat may be transferred to a LAWA designee at any time with USFWS approval.

Soils containing embedded cysts of the Riverside fairy shrimp shall not be translocated to the created habitat until the habitat is established and has met certain success criteria specified during Section 7 consultation. Success criteria for the created habitat will likely include holding water for a minimum of 60 days, having less than 10 percent absolute cover exotic herbaceous species within the created habitat, having less than 20 percent absolute cover of exotic herbaceous species within 300 feet of the area from limits of the created habitat, removal of all non-herbaceous plant species within the created habitat and 300 feet from the created habitat annually, and providing suitable water quality for Riverside fairy shrimp. Duration of inundation, exotic species removal, and water quality analyses may be undertaken within the first year after habitat creation. The performance criteria for percent absolute cover of exotic herbaceous species within 300 feet of the area from limits of the created habitat may be redesignated by mutual agreement of FAA, LAWA, and USFWS.

Upon meeting success criteria and approval from the USFWS, soils containing embedded cysts of the Riverside fairy shrimp may be brought to the created habitat. LAWA shall make every effort to collect all cyst-bearing soils from the entire surface area of the occupied habitat, however it is expected that some small number of undetected individual cysts will remain in the soil. Soil containing the cysts shall be salvaged and translocated during the dry season to minimize damage to the cysts during transport. The soil shall be collected using a hand trowel, removed in chucks, and kept out of direct sunlight to ensure viability. Soil shall be stored in properly labeled boxes or bags with adequate ventilation. The soils shall then be deposited and spread out in small basins or pool-like areas of similar size without active mechanical compaction to minimize potential damage to the cysts. Any potential indirect environmental impacts resulting from habitat construction activities shall be compliant with best management practices and terms and conditions stipulated by the permitting agencies.

LAWA or its designee, in conjunction with the USFWS and a qualified wildlife biologist, shall also develop a program to monitor created habitat for the presence of Riverside fairy shrimp as described in the Mitigation Plan. LAWA shall be responsible for implementing a monitoring and reporting program to demonstrate successful achievement of the performance standards to be determined in consultation with USFWS for off-site relocation over a 10-year period:

- ◆ Monthly during the first year, following relocation of soils containing embedded cysts of the Riverside fairy shrimp
- ◆ Quarterly in the second, third, and fourth years, following relocation of soils containing embedded cysts of the Riverside fairy shrimp
- ◆ Biannually in the fifth, seventh, and ninth years, following relocation of soils containing embedded cysts of the Riverside fairy shrimp
- ◆ Annually in the tenth year, following relocation of soils containing embedded cysts of the Riverside fairy shrimp

LAWA shall provide the USFWS with annual monitoring reports as specified in the Mitigation Plan. The monitoring report, due on September 1 of each specified monitoring year, shall provide information regarding the implementation of habitat creation, restoration, and maintenance activities. The yearly report shall also discuss the effectiveness of the project as it pertains to the existing condition of the created habitat and Riverside fairy shrimp population. To measure the

effectiveness of the created habitat, the FAA and LAWA shall work with the USFWS to develop long-term goals and objectives as part of their habitat creation plan.

Burrowing Owl

Prior to any work activities (i.e., vegetation clearing, invasive species removal and/or spraying, and sediment removal) on the project site, including construction staging areas, a survey for burrows by a qualified biologist will be conducted by walking through the suitable habitat within the site in accordance with CDFG-accepted protocols. If the site contains burrows that could be used by burrowing owls, four surveys will be conducted during the burrowing owl breeding season (April 15 through July 15). If an active burrow is observed during the nesting season, disturbance of the owls would constitute a significant impact and the burrow will be protected until nesting activity has ended to ensure compliance with Section 3503.5 of the California Fish and Game Code. Nesting activity for burrowing owl normally occurs from February 1 through August 31. To protect any active burrow, the following restrictions are required between February 1 and August 31 (or until burrows are no longer active as determined by a qualified biologist): (1) clearing limits will be established a minimum of 300 feet in any direction from any occupied nest and (2) access and surveying will be restricted within 200 feet of any occupied nest. Any encroachment into the 300/200 foot buffer area around the known nest will only be allowed if it is determined by a qualified biologist that the proposed activity will not disturb the nest occupants. These avoidance measures will be coordinated with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Management Plan."

If nesting individuals are observed, LAWA or its designee will develop and implement a habitat replacement plan to compensate for the loss of habitat associated with use of the site for construction staging and parking. The objective of the habitat replacement plan will be to replace the habitat value to be lost with equal or greater habitat value. The habitat replacement will occur at an off-site location to avoid potential conflicts with aircraft activities at LAX. Off-site locations for habitat replacement may include Madrona Marsh Nature Center in Torrance, Three Sisters Reserve located on the Palos Verdes Peninsula, or another location deemed appropriate.

Whether or not any nesting burrowing owls are identified on-site, after the end of the nesting period (August 31), LAWA or its designee will remove all burrows from the site on a monthly basis between September and January. Removal may include physically collapsing the burrows or installing one-way doors in burrow entrances. Such maintenance will continue annually until such time as the entire staging area is in active use.

Loggerhead Shrike

If construction is scheduled to occur during the nesting season for the loggerhead shrike (March 15 to August 15), vegetation that will be impacted by the proposed project shall be removed outside the nesting season if feasible. If this is not feasible, a qualified biologist shall inspect the shrubs/trees at least 14 days prior to construction activities to ensure that no nesting shrike are present. If a nest is present, construction avoidance measures shall include flagging of all active nests and a 300-foot wide buffer area around the active nests. These construction avoidance measures will be coordinated with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Mitigation Plan" to avoid increasing wildlife hazards to aircraft. In addition, a Biological Monitor shall be present to ensure the buffer area is not infringed upon and vegetation clearing within the designated 300-foot buffer only takes place from August 16 to March 14.

San Diego Black-tailed Jackrabbit

Prior to the commencement of clearing operations or other activities involving significant soil disturbance at locations identified in Table 2 with suitable habitat, a survey shall be conducted to locate black-tailed jackrabbits within 100 feet of the outer extent of projected soil disturbance activities. The locations of any observed jackrabbits shall be clearly marked and identified on the construction plans. If this species is present, a monitoring biologist shall be on-site during any clearing to flush the jackrabbit from occupied habitat areas immediately prior to brush-clearing and earth-moving activities. The monitoring biologist shall have authority to halt construction activities until individual jackrabbits can be removed from the construction impact areas to assure that the jackrabbit shall not be directly impacted by brush-clearing and earth-moving equipment in a manner that also allows for construction activities on a timely basis.

BEST MANAGEMENT PRACTICES

The following Best Management Practices are recommended to minimize any effects of clearing or construction activities on biological resources and to protect special status resources.

Nesting Birds/ Raptors

To comply with the Migratory Bird Treaty Act, for those areas of the project site that are not actively maintained and have a potential for nesting birds/raptors, if construction is scheduled to occur during the nesting season for birds/raptors (generally February 1 to June 30 for raptors and March 15 to August 15 for nesting birds), vegetation that will be impacted by the proposed project shall be removed outside the nesting season if feasible. If this is not feasible, then a qualified biologist shall inspect the shrubs/trees prior to project activities to ensure that no nesting birds/raptors are present. If the biologist finds an active nest within the construction area and determines that the nest may be impacted, the biologist will delineate an appropriate buffer zone; the size of the buffer zone will depend on the species and the type of construction activity, and will be determined in consultation with CDFG. Only construction activities (if any) that have been approved by a biological monitor will take place within the buffer zone until the nest is vacated. The biologist shall serve as a construction monitor during those periods when construction activities shall occur near active nest areas to ensure that no inadvertent impacts on these nests shall occur. These construction avoidance measures will be coordinated with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Mitigation Plan" to avoid increasing wildlife hazards to aircraft.

Mature Tree Replacement

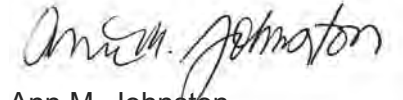
LAWA or its designee shall compensate at a ratio of 2:1 for the loss of mature trees, which would occur as a result of implementation of North Construction Staging and Contractor Employee Parking Area. The species of newly planted replacement trees shall be local native tree species to the extent feasible. Each mitigation tree shall be at least a 15-gallon or larger specimen. The replacement will be implemented within the boundaries of LAX or at a suitable off-site location. If mitigation occurs within LAX boundaries, the replacement site and tree species will be determined in consultation with LAWA's USDA Wildlife Hazard Biologist and will be consistent with FAA Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Mitigation Plan" to avoid increasing wildlife hazards to aircraft.

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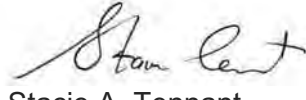
Please contact Ann Johnston or Stacie Tennant at (714) 444-9199 if you have any questions or comments.

Sincerely,

BONTERRA CONSULTING



Ann M. Johnston
Principal/Biological Resources



Stacie A. Tennant
Senior Project Manager/Biologist

Attachments: Exhibits 1, 2, 3, 4, and 5
Appendix A – Special Status Plant and Wildlife Species

cc: Emily Glassburn; GlassburnES@cdm.com
Kelly Paulsen; PaulsenKL@cdm.com

REFERENCES

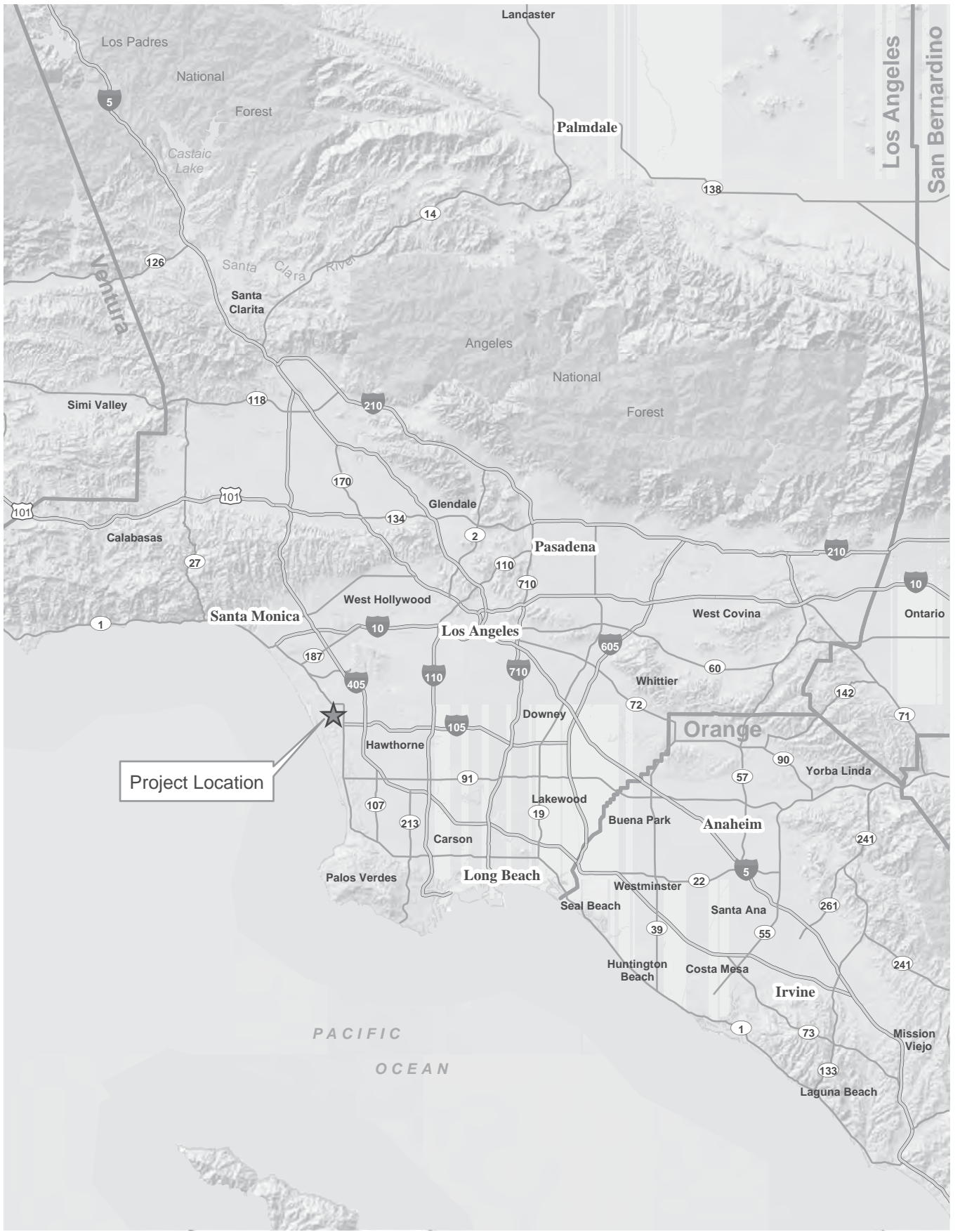
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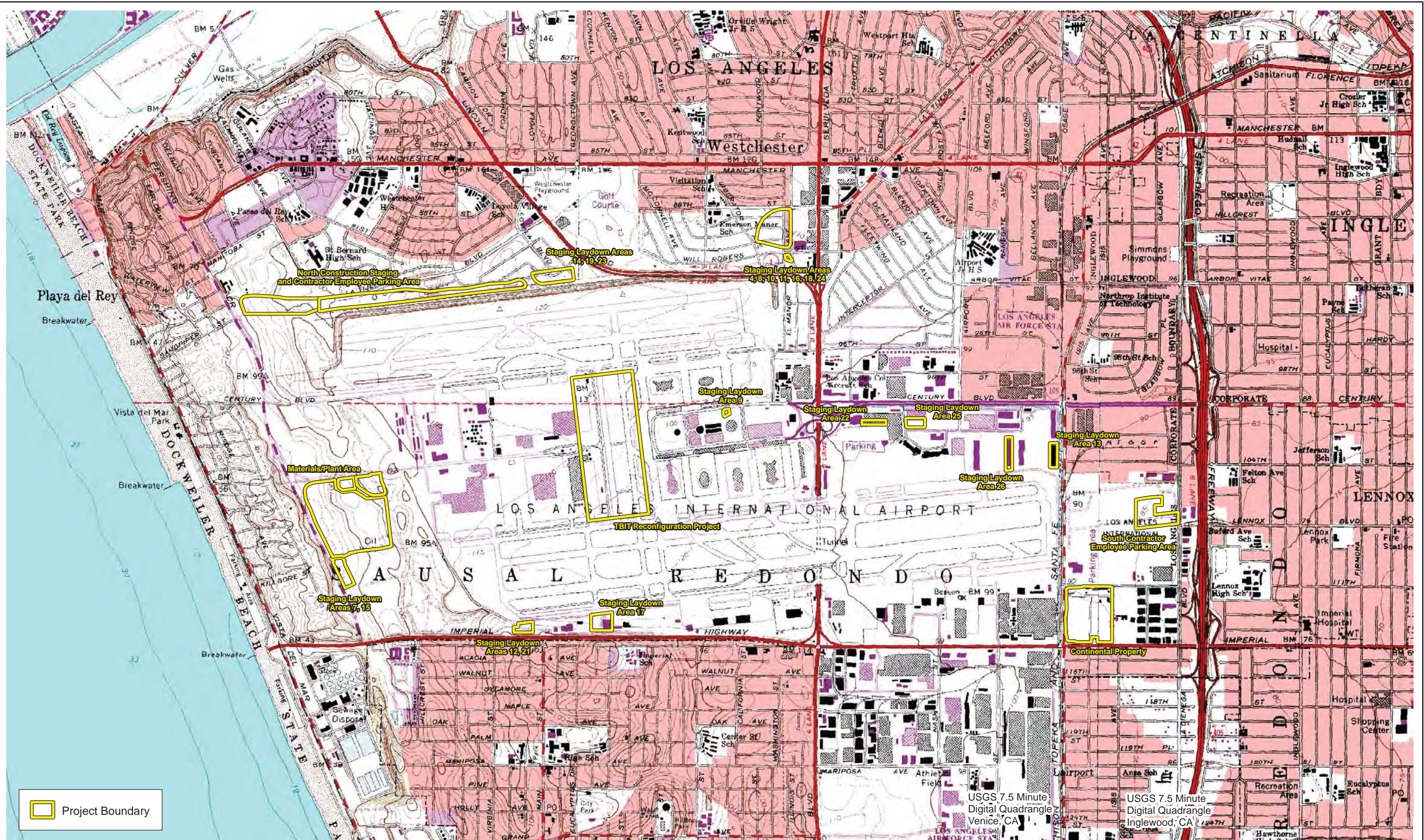


Regional Location

Exhibit 1

TBIT Reconfiguration Project Continental City Area





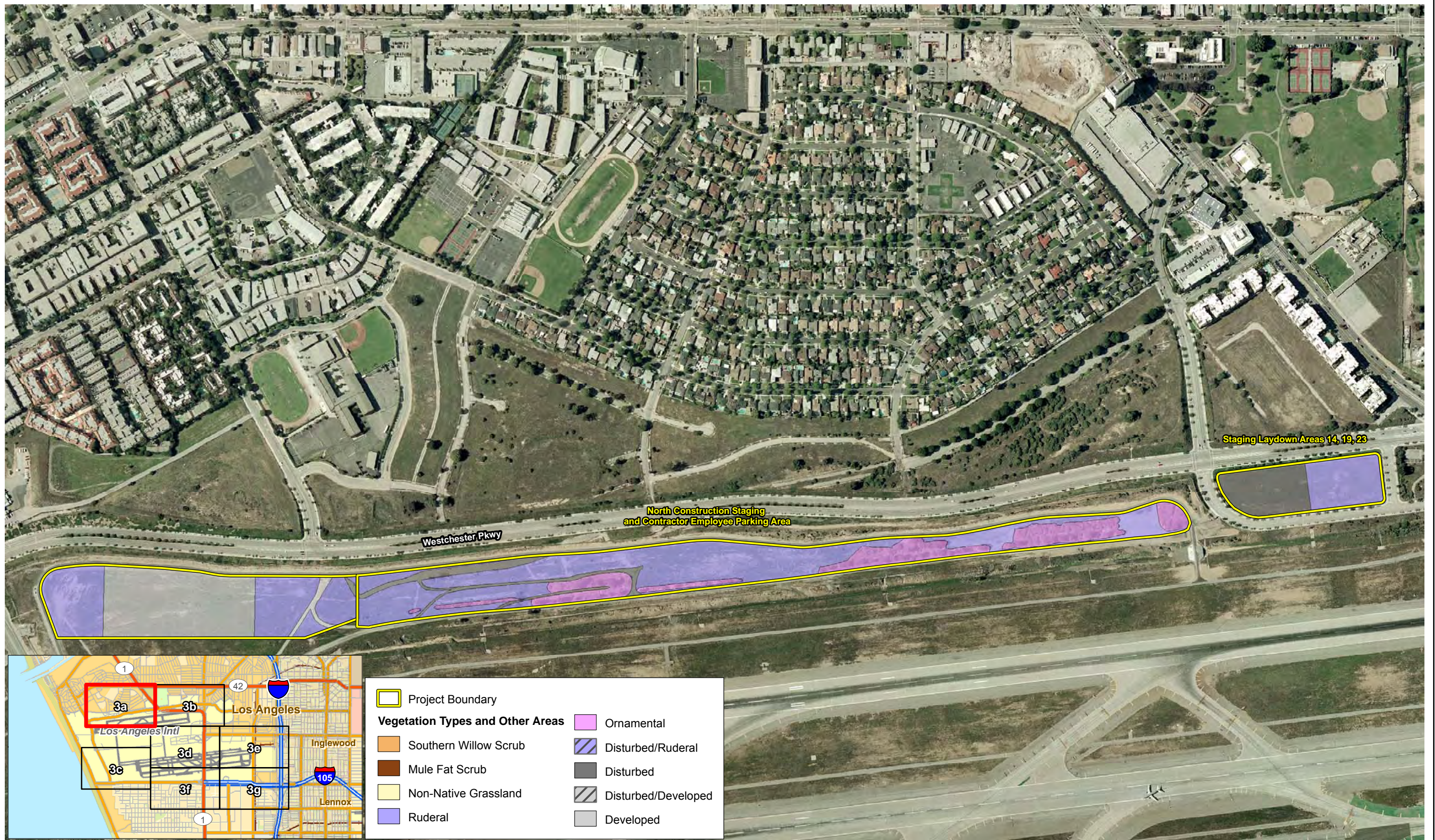
Local Vicinity

TBIT Reconfiguration Project Site



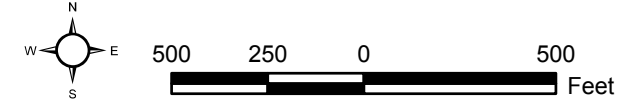
Exhibit 2





Biological Resources

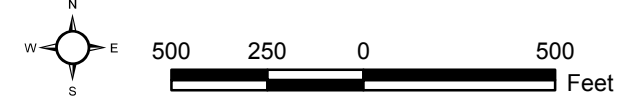
TBIT Reconfiguration Project Site





Biological Resources

TBIT Reconfiguration Project Site

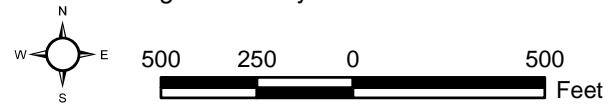


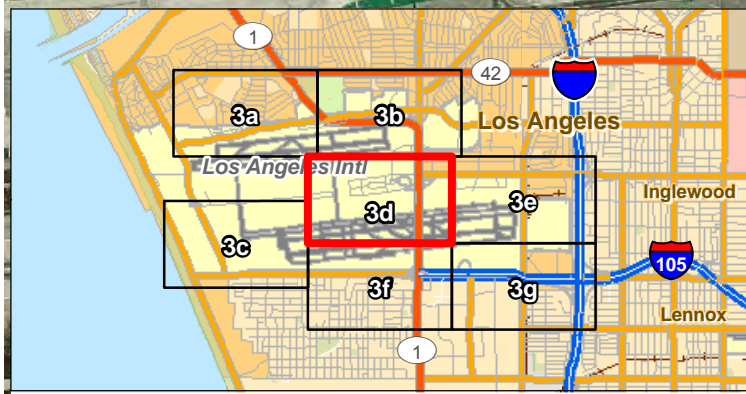
- Project Boundary
- Vegetation Types and Other Areas**
- Southern Willow Scrub
- Mule Fat Scrub
- Non-Native Grassland
- Ruderal
- Ornamental
- Disturbed/Ruderal
- Disturbed
- Disturbed/Developed
- Developed



Biological Resources

TBIT Reconfiguration Project Site

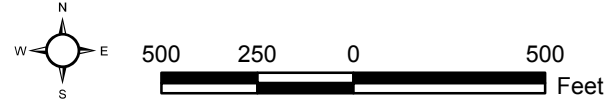


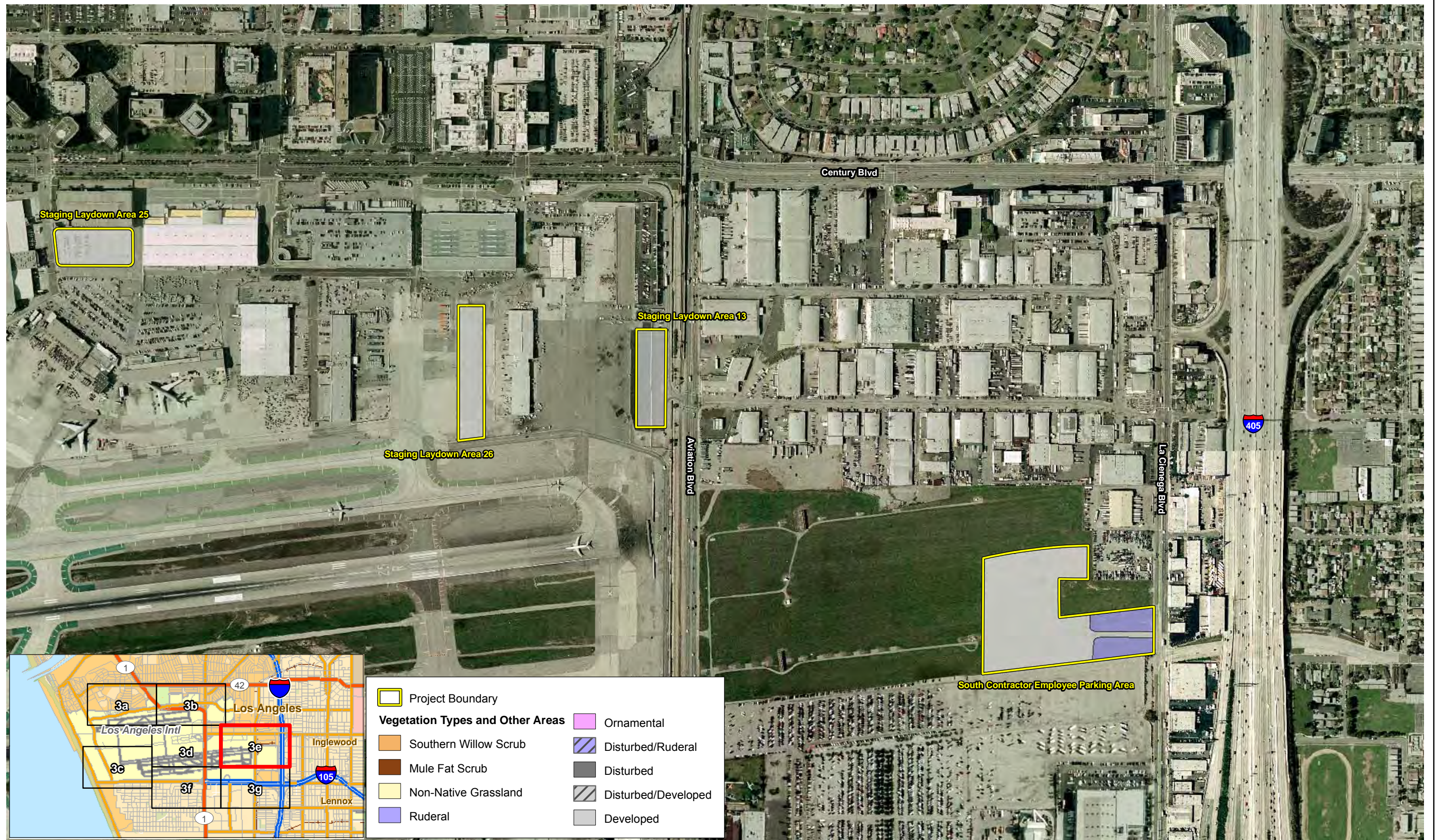


	Project Boundary		Ornamental
Vegetation Types and Other Areas			
	Southern Willow Scrub		Disturbed/Ruderal
	Mule Fat Scrub		Disturbed
	Non-Native Grassland		Disturbed/Developed
	Ruderal		Developed

Biological Resources

TBIT Reconfiguration Project Site





Biological Resources

TBIT Reconfiguration Project Site

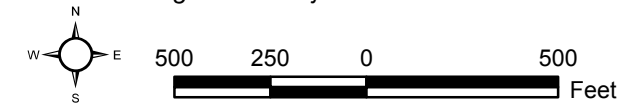


Exhibit 3e



Biological Resources

TBIT Reconfiguration Project Site

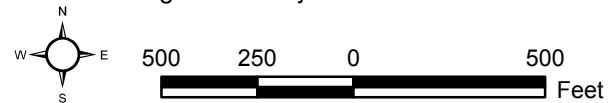
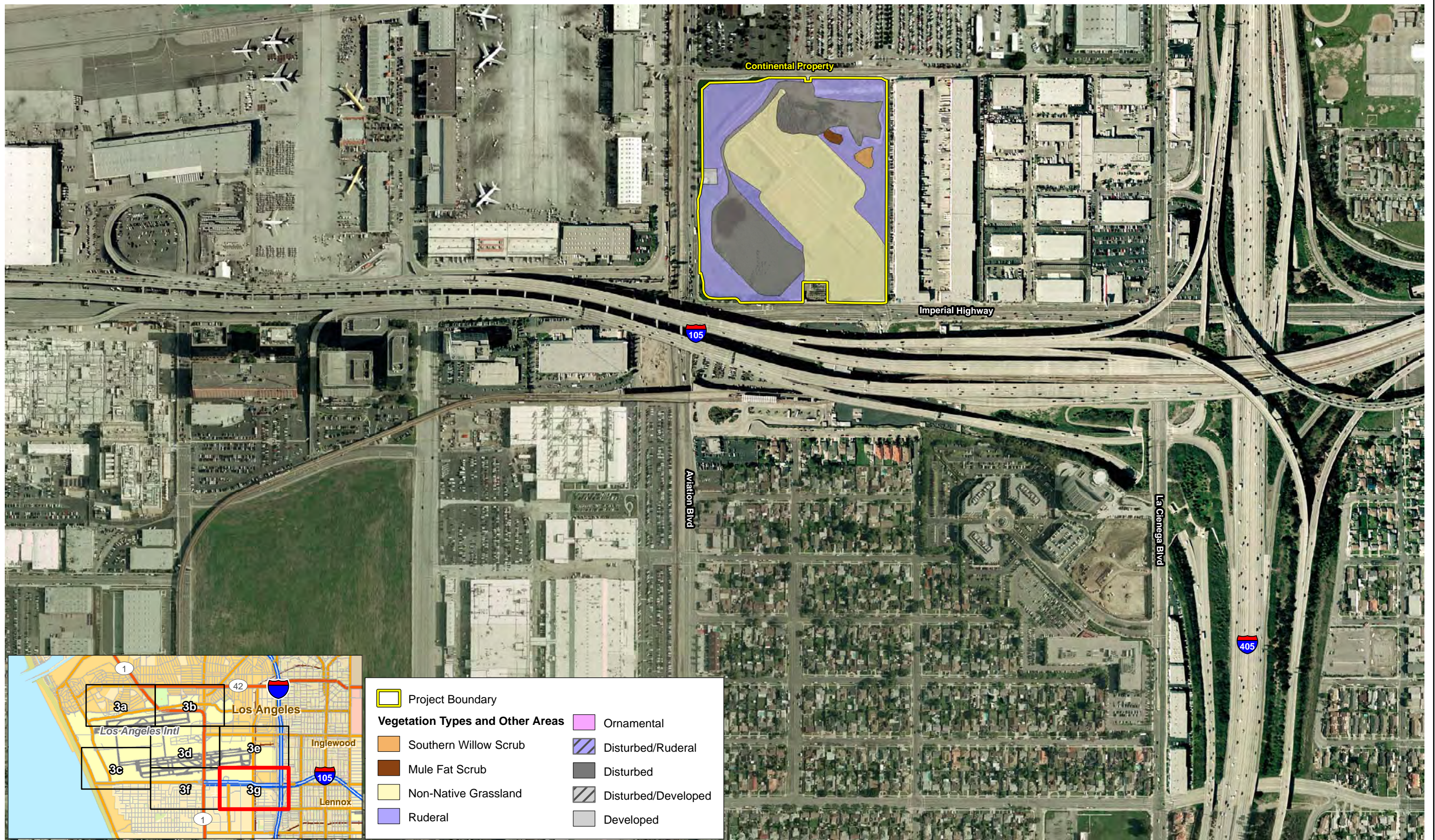
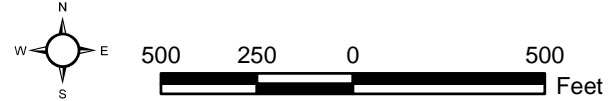


Exhibit 3f



Biological Resources

TBIT Reconfiguration Project Site





Representative site photograph depicting ruderal and ornamental vegetation in the eastern portion of the North Construction Staging and Contractor Employee Parking Area.



Representative site photograph depicting disturbed/ruderal vegetation in the western portion of the Staging and Laydown Areas 4, 8, 10, 11, 16, 18, and 24.



Representative site photograph depicting ruderal vegetation in the southeastern portion of the South Contractor Employee Parking Area.



Representative site photograph depicting the disturbed pit with ruderal vegetation surrounding the pit in the southwestern portion of the Continental Property.



Representative site photograph depicting non-native grassland vegetation in the central portion of the Continental Property.

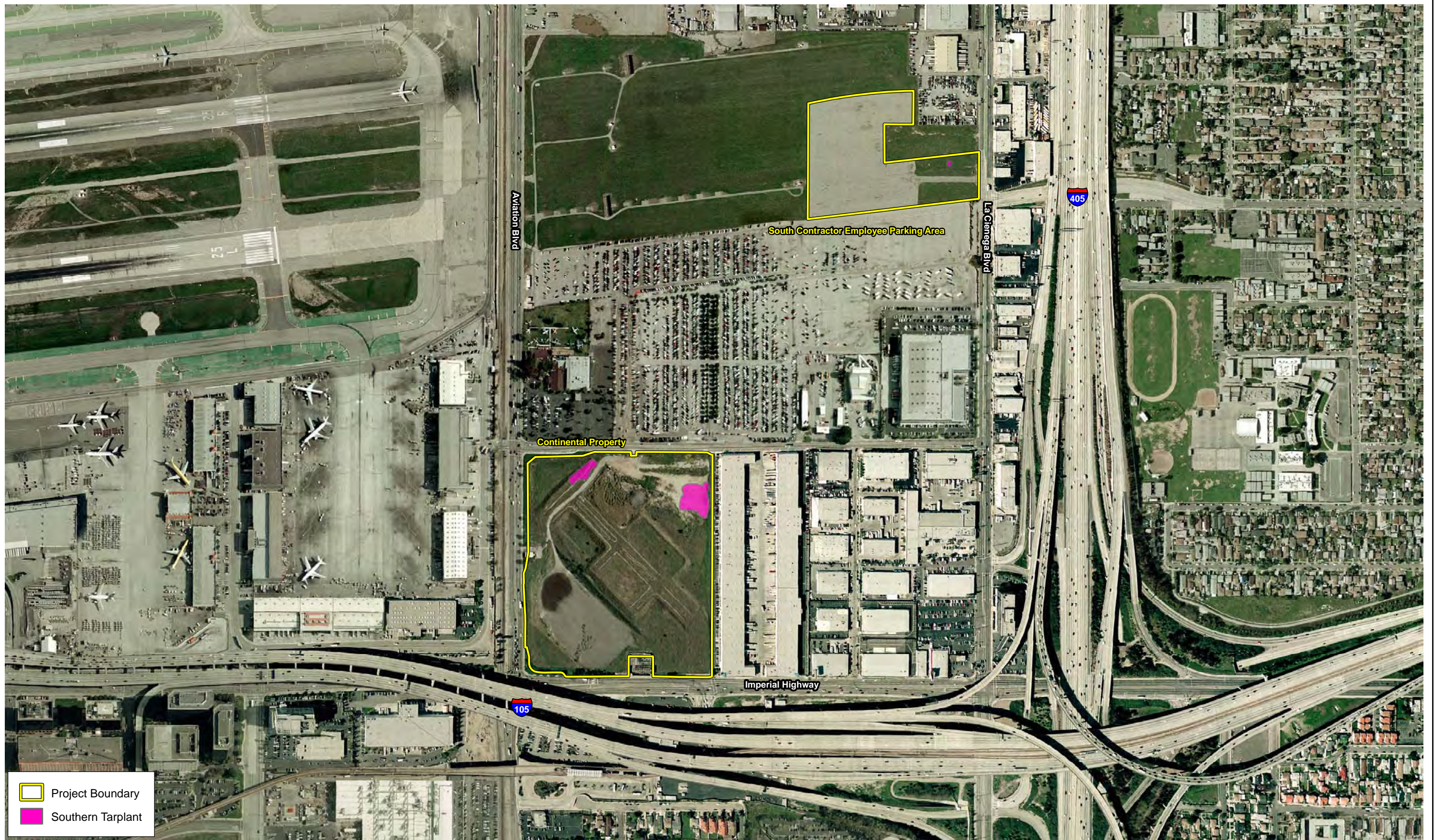


Representative site photograph depicting mule fat vegetation within the southwestern portion of the Materials/Plant Area.

Site Photographs

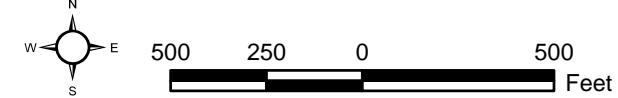
TBIT Reconfiguration Project

Exhibit 4



Southern Tarplant Locations

TBIT Reconfiguration Project Site



APPENDIX A
SPECIAL STATUS PLANT AND WILDLIFE SPECIES

**TABLE 1
SPECIAL STATUS PLANTS SPECIES
REPORTED IN THE VICINITY OF THE PROJECT**

Species	USFWS	CDFG	CNPS	Likelihood of Occurrence in the Survey Area															
				TBIT Reconfiguration Project	North Construction Staging and Contractor Employee Parking Area	Materials/ Plant Area	South Contractor Employee Parking Area	Conti- nental Property	Staging Laydown Area 4, 8, 10, 11, 16, 18, 24	Staging Laydown Areas 14, 19, 23	Staging Laydown Areas 7 and 15	Staging Laydown Areas 12 and 21	Staging Laydown Area 17	Staging Laydown Area 13	Staging Laydown Area 26	Staging Laydown Area 25	Staging Laydown Area 22	Staging Laydown Area 9	
<i>Arenaria paludicola</i> marsh sandwort	FE	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Astragalus brauntonii</i> Braunton's milk-vetch	FE	-	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> Ventura Marsh milk-vetch	FE	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Astragalus tener</i> var. <i>titi</i> coastal dunes milk-vetch	FE	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>California macrophylla</i> round-leaved filaree	-	-	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Calochortus plummerae</i> Plummer's mariposa lily	-	-	1B.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Camissonia lewisii</i> Lewis' evening-primrose	-	-	3	Δ	Δ	†	X	Δ	X	Δ	Δ	X	X	X	X	X	X	X	
<i>Centromadia parryi</i> ssp. <i>australis</i> southern tarplant	-	-	1B.1	Δ	Δ	Δ	O	O	Δ	Δ	Δ	X	X	X	X	X	X	X	
<i>Chaenactis glabriucula</i> var. <i>orcuttiana</i> Orcutt's pincushion	-	-	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Chorizanthe parryi</i> var. <i>fernandina</i> San Fernando Valley spineflower	-	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i> salt marsh bird's-beak	FE	SE	1B.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Dithyrea maritima</i> beach spectaclepod	-	ST	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Dudleya multicaulis</i> many-stemmed dudleya	-	-	1B.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Dudleya virens</i> ssp. <i>insularis</i> island green dudleya	-	-	1B.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Hordeum intercedens</i> vernal barley	-	-	3.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Mucronea californica</i> California spineflower	-	-	4.2	Δ	Δ	†	X	Δ	X	Δ	Δ	X	X	X	X	X	X	X	
<i>Nasturtium gambelii</i> Gambel's water cress	FE	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Navarretia fossalis</i> Moran's navarretia	FT	-	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	-	-	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Orcuttia californica</i> California Orcutt grass	FE	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Pentachaeta lyonii</i> Lyon's pentachaeta	FE	SE	1B.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

**TABLE 1
SPECIAL STATUS PLANTS SPECIES
REPORTED IN THE VICINITY OF THE PROJECT
(Continued)**

Species	USFWS	CDFG	CNPS	Likelihood of Occurrence in the Survey Area															
				TBIT Reconfiguration Project	North Construction Staging and Contractor Employee Parking Area	Materials/ Plant Area	South Contractor Employee Parking Area	Conti- nental Property	Staging Laydown Area 4, 8, 10, 11, 16, 18, 24	Staging Laydown Areas 14, 19, 23	Staging Laydown Areas 7 and 15	Staging Laydown Areas 12 and 21	Staging Laydown Area 17	Staging Laydown Area 13	Staging Laydown Area 26	Staging Laydown Area 25	Staging Laydown Area 22	Staging Laydown Area 9	
<i>Sidalcea neomexicana</i> salt spring checkerbloom	-	-	2.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Symphotrichum defoliatum</i> San Bernardino aster	-	-	1B.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LEGEND:				California Native Plant Society (CNPS) List Categories					California Native Plant Society (CNPS) Threat Code Extensions										
X not expected to occur; no suitable habitat				List 1A Plants Presumed Extinct in California					None Plants lacking any threat information										
O observed				List 1B Plants Rare, Threatened, or Endangered in California and Elsewhere					.1 Seriously Endangered in California (over 80% of occurrences threatened; high degree and immediacy of threat)										
Δ may occur; potentially suitable habitat				List 2 Plants Rare, Threatened, or Endangered in California But More Common Elsewhere					.2 Fairly Endangered in California (20-80% of occurrences threatened)										
† present adjacent to the project site with the Los Angeles/El Segundo Dunes Area. May occur; potentially suitable habitat.				List 3 Plants About Which We Need More Information A Review List					.3 Not very Endangered in California (less than 20% of occurrences threatened or no current threats known)										
List 4 Plants of Limited Distribution A Watch List																			
Federal (USFWS)		State (CDFG)																	
FE	Endangered	SE	Endangered																
FT	Threatened	ST	Threatened																

**TABLE 2
SPECIAL STATUS WILDLIFE SPECIES
REPORTED IN THE VICINITY OF THE PROJECT**

Species	USFWS	CDFG	Likelihood of Occurrence in the Survey Area												
			TBIT Reconfiguration Project	North Construction Staging and Contractor Employee Parking Area	Materials/Plant Area	South Contractor Employee Parking Area	Continental Property	Staging Laydown Area 4, 8, 10, 11, 16, 18, 24	Staging Laydown Areas 14, 19, 23	Staging Laydown Areas 7 and 15	Staging Laydown Areas 12 and 21	Staging Laydown Area 17	Staging Laydown Area 13	Staging Laydown Area 22	Staging Laydown Area 9
Invertebrates															
<i>Branchinecta sandiegonensis</i> San Diego fairy shrimp	FE	-	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Euphilotes battoides allyni</i> El Segundo blue butterfly	FE	-	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area from surveys conducted in 1995 to 2003; however, not expected to occur; no suitable habitat	X	X	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area from surveys conducted in 1995 to 2003; however, not expected to occur; no suitable habitat	X	X	X	X	X
<i>Glaucopsyche lygdamus palosverdesensis</i> Palos Verdes blue butterfly	FE	-	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Streptocephalus woottoni</i> Riverside fairy shrimp	FE	-	X	Embedded cysts present from surveys conducted in winter of 1997 and cysts salvaged in 2005 in accordance with the LAX Master Plan Final EIR/EIS	Embedded cysts present from surveys conducted in winter of 1997 and cysts salvaged in 2005 in accordance with the LAX Master Plan Final EIR/EIS	X	Δ	X	X	X	X	X	X	X	X
Fish															
<i>Gila bicolor mohavensis</i> Mohave tui chub	FE	SE, FP	X	X	X	X	X	X	X	X	X	X	X	X	X
Amphibians															
<i>Spea hammondi</i> western spadefoot	-	SSC	X	X	Present from surveys conducted in spring of 1996; however, not observed during focused spadefoot surveys	X	O	X	X	X	X	X	X	X	X
Reptiles															
<i>Actinemys marmorata pallida</i> southwestern pond turtle	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Anniella pulchra pulchra</i> silvery legless lizard	-	SSC	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area from surveys conducted in the summer of 1998. May occur; marginally suitable habitat	X	X	X	X	X	X	X	X	X	X
<i>Lampropeltis zonata [pulchra]</i> California [San Diego] mountain kingsnake	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X

**TABLE 2
SPECIAL STATUS WILDLIFE SPECIES
REPORTED IN THE VICINITY OF THE PROJECT
(Continued)**

Species	USFWS	CDFG	Likelihood of Occurrence in the Survey Area												
			TBIT Reconfiguration Project	North Construction Staging and Contractor Employee Parking Area	Materials/Plant Area	South Contractor Employee Parking Area	Continental Property	Staging Laydown Area 4, 8, 10, 11, 16, 18, 24	Staging Laydown Areas 14, 19, 23	Staging Laydown Areas 7 and 15	Staging Laydown Areas 12 and 21	Staging Laydown Area 17	Staging Laydown Area 13	Staging Laydown Area 22	Staging Laydown Area 9
<i>Phrynosoma coronatum</i> [blainvillii population] coast [San Diego] horned lizard	-	SSC	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area north of Sandpiper from surveys conducted in the summer of 1998; however, not expected to occur; no suitable habitat	X	X	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area north of Sandpiper from surveys conducted in the summer of 1998; however, not expected to occur; no suitable habitat	X	X	X	X	X
Birds															
<i>Agelaius tricolor</i> (nesting colony) tricolored blackbird	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Athene cunicularia</i> (burrow sites and some wintering sites) burrowing owl	-	SSC	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area from surveys conducted in the winter of 1998; however, not expected to occur; no suitable habitat	X	Δ	X	X	Present adjacent to the project site within the Los Angeles/El Segundo Dunes Area from surveys conducted in the winter of 1998; however, not expected to occur; no suitable habitat	X	X	X	X	X
<i>Charadrius alexandrinus nivosus</i> (nesting) western snowy plover	FT	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Empidonax traillii extimus</i> (nesting) southwestern willow flycatcher	FE	SE	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Falco peregrinus anatum</i> (nesting) American peregrine falcon	Delisted	SE, FP	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Lanius ludovicianus</i> (nesting) loggerhead shrike	-	SSC	X	Present during surveys conducted in spring of 1998. May occur; potentially suitable habitat	Present during surveys conducted in spring of 1998. May occur; potentially suitable habitat	X	Δ	X	X	Present during surveys conducted in spring of 1998. May occur; potentially suitable habitat	X	X	X	X	X
<i>Laterallus jamaicensis coturniculus</i> California black rail	-	ST, FP	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Passerculus sandwichensis beldingi</i> Belding's savannah sparrow	-	SE	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Pelecanus occidentalis californicus</i> (nesting colony and communal roosts) California brown pelican	FE	SE	X	X	X	X	X	X	X	X	X	X	X	X	X

**TABLE 2
SPECIAL STATUS WILDLIFE SPECIES
REPORTED IN THE VICINITY OF THE PROJECT
(Continued)**

Species	USFWS	CDFG	Likelihood of Occurrence in the Survey Area												
			TBIT Reconfiguration Project	North Construction Staging and Contractor Employee Parking Area	Materials/Plant Area	South Contractor Employee Parking Area	Continental Property	Staging Laydown Area 4, 8, 10, 11, 16, 18, 24	Staging Laydown Areas 14, 19, 23	Staging Laydown Areas 7 and 15	Staging Laydown Areas 12 and 21	Staging Laydown Area 17	Staging Laydown Area 13	Staging Laydown Area 22	Staging Laydown Area 9
<i>Polioptila californica californica</i> coastal California gnatcatcher	FT	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Sternula antillarum browni</i> (nesting colony) California least tern	FE	SE, FP	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Vireo bellii pusillus</i> (nesting) least Bell's vireo	FE	SE	X	X	X	X	X	X	X	X	X	X	X	X	X
Mammals															
<i>Antrozous pallidus</i> pallid bat	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Eumops perotis californicus</i> western mastiff bat	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Lepus californicus bennettii</i> San Diego black-tailed jackrabbit	-	SSC	X	Observed in summer 1997. May occur; potentially suitable habitat	Observed in summer 1997. May occur; potentially suitable habitat	X	Observed in summer 1997. May occur; potentially suitable habitat	X	X	Observed in summer 1997. May occur; potentially suitable habitat	X	X	X	X	X
<i>Microtus californicus stephensi</i> south coast marsh vole	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Nyctinomops macrotis</i> big free-tailed bat	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Perognathus longimembris pacificus</i> Pacific pocket mouse	FE	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Sorex ornatus salicornicus</i> southern California saltmarsh shrew	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Taxidea taxus</i> American badger	-	SSC	X	X	X	X	X	X	X	X	X	X	X	X	X
LEGEND:															
X not expected to occur; no suitable habitat															
O not expected to occur; no suitable breeding habitat															
Δ may occur; potentially suitable habitat															
Federal (USFWS)															
FE Endangered															
FT Threatened															
State (CDFG)															
SE Endangered															
ST Threatened															
SSC Species of Special Concern															
FP Fully Protected															

Appendix H-2
LAX Bradley West Project Draft EIR

Tree Survey Report

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

BonTerra Consulting
151 Kalmus Drive, Suite E-200
Costa Mesa, California 92626



TREE SURVEY REPORT

FOR THE TOM BRADLEY INTERNATIONAL TERMINAL RECONFIGURATION PROJECT, CITY OF LOS ANGELES, CALIFORNIA

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April 14, 2009

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APPENDIX

A Evaluation Forms for Protected Trees

INTRODUCTION

The purpose of this report is to evaluate the size, aesthetic, and health quality of all qualifying mature trees within the Tom Bradley International Terminal (TBIT) Reconfiguration Project Northwest Construction Staging and Contractor Employee Parking Area (hereafter referred to as the “survey area”) at the Los Angeles International Airport.

The survey area is located within the Los Angeles International Airport (LAX), within the County of Los Angeles (Exhibit 1); this location is west of Interstate 405, north of Interstate 105, south of Westchester Parkway, and east of Pershing Drive (Exhibit 2). The survey area is located on the Inglewood and Venice U.S. Geological Survey (USGS) 7.5-minute quadrangles of the San Bernardino Meridian. Land uses in the immediate vicinity of the survey area are airport open space, airport construction staging, and residential. The survey area is dominated by non-native grassland, ruderal, and ornamental vegetation.

BACKGROUND

This tree survey was conducted in accordance with Mitigation Measure MM-BC-3 of the LAX Master Plan. This measure requires the census and mapping of all mature trees with a diameter of at least eight inches at breast height (dbh) within the LAX Northside area of LAX that may be impacted as a result of construction activities. The only portion of the TBIT Reconfiguration Project that lies within LAX Northside is the North Construction Staging and Contractor Employee Parking Area (Exhibits 2 and 3).

METHODOLOGY

BonTerra Consulting Certified Arborist Jeff Crain (WE-6658A) conducted the tree survey on March 9, 2009. During this survey, each tree was permanently tagged and characterized according to the criteria noted below, and a global positioning system (GPS) point was taken to mark the location. Tree data are included in Appendix A.

Diameter at Breast Height (DBH)

Using a diameter tape, trunk measurements were taken approximately 4.5 feet above natural grade; multiple qualifying trunks were measured separately. The number of qualifying trunks was also recorded.

Height and Canopy

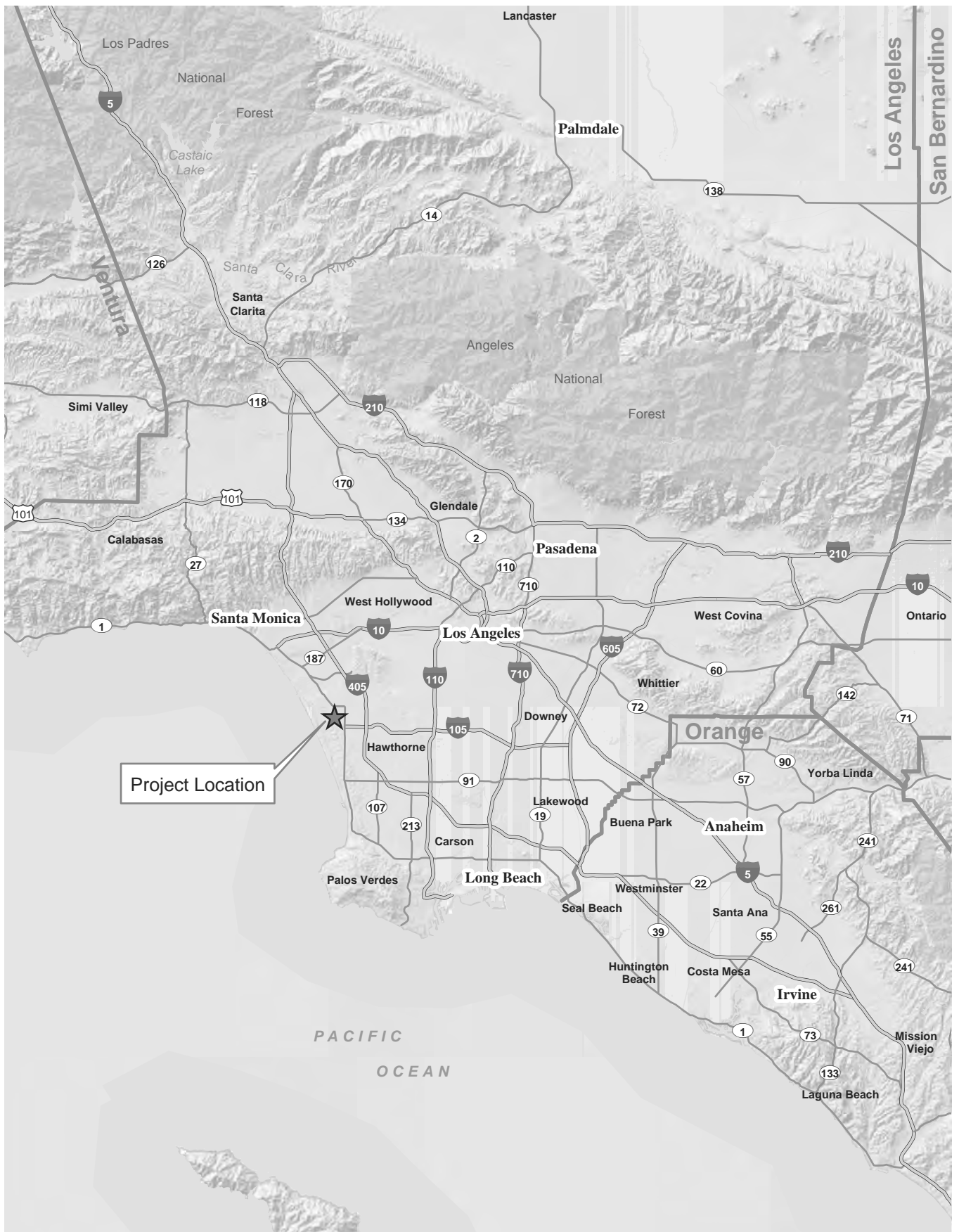
The height of each tree was estimated from natural grade to the highest living branch. The diameter of each tree’s living canopy was estimated at its widest point.

Tree Tags

Each tree with a dbh of at least eight inches was individually tagged with a circular aluminum tag bearing the tree number. This survey included tag numbers 826 through 859.

Aesthetics

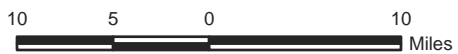
Each tree was inspected and compared to an archetype tree (considered excellent on all points mentioned below) of the same species. The trees were rated on a scale of 1 to 5, with 5 being the highest. Tree aesthetics were evaluated with respect to overall form and symmetry, crown balance, branching pattern, and broken branches.



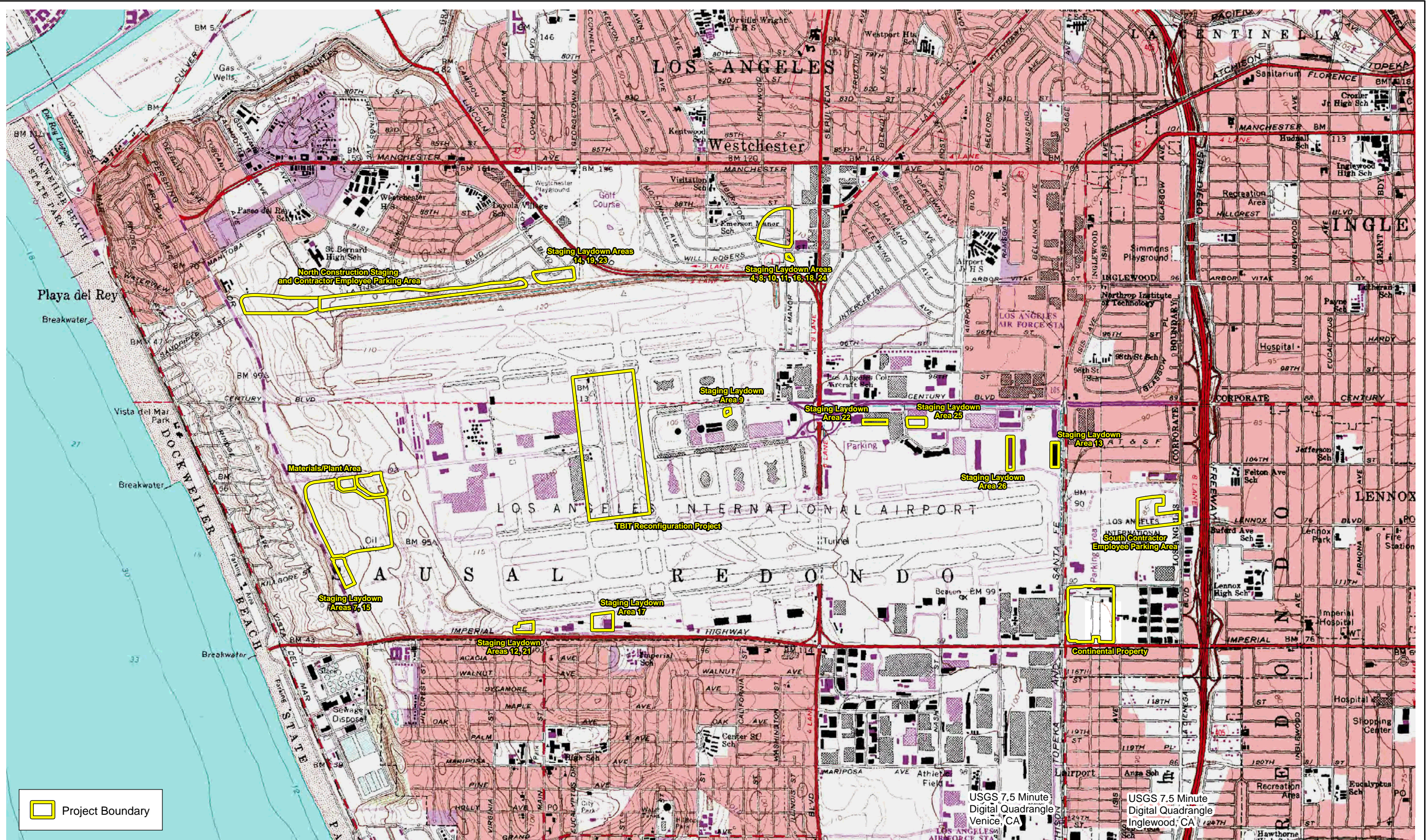
Regional Location

Exhibit 1

TBIT Reconfiguration Project Continental City Area



Bonterra
CONSULTING



TBIT Reconfiguration Project Site

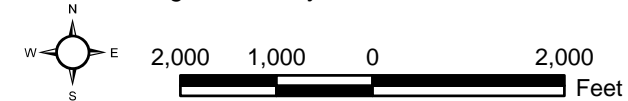


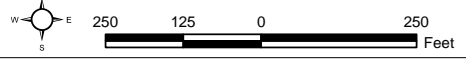
Exhibit 2





Tree Survey

Tom Bradley International Terminal Reconfiguration Project



The trees were rated on a scale of 1 to 5, as follows:

- 1: Very Poor
- 2: Poor
- 3: Fair
- 4: Good
- 5: Excellent

Health

The health of each tree was assessed based on visual evidence of vigor such as the amount of foliage; leaf color and size; presence of branch or twig dieback; severity of insect infestation; the presence of disease, heart rot, fire damage, and mechanical damage; amount of new growth; appearance of bark; and rate of callous development over wounds. The tree’s structural integrity was also evaluated with respect to branch attachment, branch placement, root health, and stability. In addition, the health assessment considered such elements as the presence of decay, weak branch attachments, and the presence of exposed roots due to soil erosion. Specific notes were recorded in the comments section of the datasheet. The health of each tree was also rated on the 1 to 5 scale noted above.

RESULTS

A total of 34 qualifying trees (trees with a dbh of at least 8 inches) were recorded within the survey area (Exhibit 3), including 24 blue gum (*Eucalyptus globulus*), 4 Mexican fan palms (*Washingtonia robusta*), three magnolia (*Magnolia* sp.), two pine (*Pinus* sp.) and one Canary Island date palm (*Phoenix canariensis*). Table 1 provides a summary by species of tree quantity, size, health, and aesthetics within the survey area.

**TABLE 1
SUMMARY OF TREE QUANTITY AND SIZE**

Species	Quantity	Average Circumference of Main Trunk (inches)	Average Height (feet)	Average Canopy Diameter (feet)	Average Health Rating	Average Aesthetic Rating
Blue gum (<i>Eucalyptus globulus</i>)	24	18.1	37.1	32.3	3.5	3.5
Mexican fan palm (<i>Washingtonia robusta</i>)	4	19.5	46.3	10	4	4
Magnolia (<i>Magnolia</i> sp.)	3	9.8	20	46.7	5	5
Pine (<i>Pinus</i> sp.)	2	15.3	25	45	4	4
Canary Island date palm (<i>Phoenix canariensis</i>)	1	28.5	35	30	5	5

CONCLUSION AND MITIGATION

A total of 34 trees were identified within the survey area. In accordance with LAX Master Plan Mitigation Measure MM-BC-3, any of the identified trees that will be impacted due to construction activities will require a 2:1 replacement. If these trees are to be impacted, a replacement plan will be prepared and implemented by Los Angeles World Airports (LAWA) or

its designee. MM-BC-3 requires replacement trees to be local native species of at least 15-gallon size.

The replacement of trees shall be within the boundaries of LAX or at a suitable off-site location. For replacement within LAX boundaries, the replacement plan will be approved by LAWA's U.S. Department of Agriculture Wildlife Hazard Biologist. Furthermore, the onsite locations and plant selections must be consistent with the Federal Aviation Administration (FAA) Advisory Circular No. 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports" and LAWA's "LAX Wildlife Hazard Management Plan".

Trees not expected to be impacted by construction activities should be enclosed by barriers such as chain link fencing or orange snow fencing. The barriers should be placed at least five feet outside the dripline, and no grade changes should be made within the barriers without consulting a qualified Biologist to determine if the work would impact the trees. During any proposed grubbing and/or grading, a Biological Monitor should be present to record the number of trees directly and indirectly impacted. If project construction can avoid impacting trees, the number of replacement trees will be reduced accordingly.

REFERENCES

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APPENDIX A
EVALUATION FORMS FOR PROTECTED TREES

EVALUATION FORMS FOR PROTECTED TREES

Tree Number	Species	# of Trunks	Diameter at Breast Height (DBH)	Diameter at Breast Height (DBH), secondary trunk	Height	Width	Health	Aesthetics	Comments
826	<i>Eucalyptus globulus</i>	1	25.5		55	30	4	4	
827	<i>Eucalyptus globulus</i>	1	21		50	25	4	4	
828	<i>Eucalyptus globulus</i>	1	22		50	40	4	4	
829	<i>Eucalyptus globulus</i>	1	37		45	30	4	4	
830	<i>Washingtonia robusta</i>	1	24		65	10	4	4	Northern side of tree no access below, tagged on west
831	<i>Eucalyptus globulus</i>	3	19.5	18.5	40	30	4	4	
832	<i>Eucalyptus globulus</i>	5	8	7.5	30	25	3	3	
833	<i>Eucalyptus globulus</i>	5	11	11	35	35	3	3	
834	<i>Eucalyptus globulus</i>	4	10	10	35	40	4	4	
835	<i>Eucalyptus globulus</i>	5	18	17.5	35	35	4	4	
836	<i>Eucalyptus globulus</i>	3	15	12	35	40	4	4	
837	<i>Eucalyptus globulus</i>	3	15	14.5	25	45	3	3	
838	<i>Eucalyptus globulus</i>	3	20	17.5	25	40	4	3	
839	<i>Eucalyptus globulus</i>	1	13		25	20	3	3	
840	<i>Eucalyptus globulus</i>	3	9.5	9	25	30	3	3	
841	<i>Eucalyptus globulus</i>	3	13	12.5	30	40	4	4	
842	<i>Eucalyptus globulus</i>	1	17.5		30	25	3	3	
843	<i>Eucalyptus globulus</i>	6	10	9.5	25	30	3	3	
844	<i>Eucalyptus globulus</i>	1	38		35	30	2	2	Most of canopy is dead
845	<i>Magnolia</i> sp.	1	10.5		20	55	5	5	
846	<i>Magnolia</i> sp.	1	9.5		20	45	5	5	
847	<i>Magnolia</i> sp.	4	9.5	7	20	40	5	5	
848	<i>Phoenix canariensis</i>	1	28.5		35	30	5	5	
849	<i>Pinus</i> sp.	2	20	18.5	30	55	4	4	
850	<i>Pinus</i> sp.	2	10.5	8	20	35	4	4	
851	<i>Eucalyptus globulus</i>	1	11		40	30	3	3	Beeeding sap throughout trunk
852	<i>Eucalyptus globulus</i>	3	12	11	40	25	3	3	Beeeding sap throughout trunk
853	<i>Eucalyptus globulus</i>	4	20	12	40	35	4	4	
854	<i>Eucalyptus globulus</i>	4	14.5	13	45	35	4	4	

EVALUATION FORMS FOR PROTECTED TREES

Tree Number	Species	# of Trunks	Diameter at Breast Height (DBH)	Diameter at Breast Height (DBH), secondary trunk	Height	Width	Health	Aesthetics	Comments
855	<i>Eucalyptus globulus</i>	3	17	13.5	45	25	4	4	
856	<i>Eucalyptus globulus</i>	1	38		50	35	4	4	
857	<i>Washingtonia robusta</i>	1	18		30	10	4	4	
858	<i>Washingtonia robusta</i>	1	16		25	10	4	4	
859	<i>Washingtonia robusta</i>	1	20		65	10	4	4	

Appendix H-3
LAX Bradley West Project Draft EIR

**Western Spadefoot Presence/Absence
Survey Report**

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

BonTerra Consulting
151 Kalmus Drive, Suite E-200
Costa Mesa, California 92626

April 20, 2009

Ms. Robin Ijams
Camp Dresser and McKee Inc.
111 Academy, Suite 150
Irvine, California 92617

VIA EMAIL
ijamsre@cdm.com

Subject: Results of Presence/Absence Surveys for the Western Spadefoot on the Tom Bradley International Terminal Reconfiguration Project in the City of Los Angeles, Los Angeles County, California

Dear Ms. Ijams:

This Letter Report summarizes the findings of focused surveys for the California Species of Special Concern western spadefoot (*Spea [=Scaphiopus] hammondi*) on the Tom Bradley International Terminal (TBIT) Reconfiguration Project located in the City of Los Angeles in Los Angeles County, California. The purpose of the survey was to determine the presence or absence of the western spadefoot on the project site.

Project Location

The project site is located in the southwestern portion of the City of Los Angeles in Los Angeles County, California (Exhibit 1). The project site consists of a main project area and a number of construction staging, laydown and parking areas. While not all of the staging areas may be used during construction, all were included in the surveys. The main project area and all of the potential construction staging, laydown and parking areas are located within the Los Angeles International Airport (LAX), which is bordered by Westchester Parkway to the north, Imperial Highway to the south, Pershing Drive to the west, and La Cienega Boulevard to the east (Exhibit 2). Specifically, the main project area (TBIT Reconfiguration Project) is located near the center of LAX, on both the western and eastern sides of Service Road 49. The separate component areas consist of the following:

- North Construction Staging Area and Contractor Employee Parking Area, located in the northern portion of LAX just south of Westchester Parkway;
- Materials/Plant Area, located in the western portion of LAX, south of World Way West and just east of Pershing Drive;
- South Contractor Employee Parking Area, located in the eastern portion of LAX, between Aviation and La Cienega Boulevards;
- Continental Property, located in the southeastern corner of LAX, between 111th Street and Imperial Highway;
- Staging Laydown Areas 4, 8, 10, 11, 16, 18 and 24, located in the northern portion of LAX, on the northern and southern sides of Westchester Parkway, south of La Tijera Boulevard and east of La Tijera Parkway;



- Staging Laydown Areas 14, 19 and 23, located in the northern portion of LAX, between Westchester Parkway and Northside Parkway;
- Staging Laydown Areas 7 and 15, located in the western portion of LAX, just east of Pershing Drive and south of the Materials/Plant Area;
- Staging Laydown Areas 12 and 21, located in the southern portion of LAX, just north of Imperial Highway;
- Staging Laydown Area 17, located in the southern portion of LAX, north of Imperial Highway, just east of Laydown Areas 12 and 21;
- Staging Laydown Area 13, located in the eastern portion of LAX, south of Century Boulevard and west of Aviation Boulevard;
- Staging Laydown Area 26, located in the eastern portion of LAX, just west of Laydown Area 13;
- Staging Laydown Area 25, located in the eastern portion of LAX, south of Century Boulevard, and east of Aviation Drive;
- Staging Laydown Area 22, located in the eastern portion of LAX, south of Century Boulevard, and west of Aviation Drive; and
- Staging Laydown Area 9, located near the center of LAX, north of Center Way, and east of Connecting Road.

The project site is located on the Inglewood and Venice U.S. Geological Survey (USGS) 7.5-minute quadrangles of the San Bernardino Meridian. Land uses in the immediate vicinity of the project site are commercial and residential.

A field survey was conducted on November 24, 2008 by BonTerra Consulting in order to map the vegetation and to evaluate the potential of habitats on the project site to support special status plant and wildlife species. Results of this survey determined that suitable habitat for the western spadefoot occurred in two areas (hereafter referred to as "survey areas") of the project site. These survey areas included the Materials/Plant Area and the Continental Property (Exhibit 3).

Background

Western Spadefoot

Western spadefoot is a California Species of Special Concern. It occurs in the Great Valley and bordering foothills, and in the Coast Ranges from Monterey Bay south to Baja California, Mexico (Stebbins 2003). From the Santa Clara River Valley in Los Angeles and Ventura counties southward, an estimated 80 percent of habitat for this species has been lost (Stebbins 2003). The western spadefoot breeds in quiet streams, vernal pools, and temporary ponds and is rarely encountered outside of the breeding season (January to March) given that it aestivates and hibernates in burrows during the driest summer months and coldest winter months, respectively, emerging occasionally to forage during suitable conditions (Lannoo 2005).

Western spadefoot occur in coastal sage scrub, chaparral, and grassland habitats but are most common in grasslands and mixed grassland/coastal sage scrub with vernal pools (Holland and Goodman 1998). Breeding requires vernal pools that maintain temperatures between 48 and 86 degrees Fahrenheit and persist longer than three weeks in order to successfully metamorphose (Feaver 1971, Brown 1967). Additionally, riparian habitats with suitable water resources may be

utilized but must lack fish, bullfrogs (*Rana catesbeiana*), African clawed frogs (*Xenopus laevis*), and crayfish (*Procambarus clarkii*) (Holland and Goodman 1998, Jennings and Hayes 1994). Terrestrial adults typically require sandy/loamy soil in order to burrow and aestivate; however, these likely become hard and compacted during the summer (Ruibal et al. 1969). Aestivation occurs in upland habitats adjacent to potential breeding sites in burrows approximately one meter in depth (Stebbins 2003). Western spadefoot are almost entirely nocturnal with most above ground movement and breeding occurring during heavy rains (Holland and Goodman 1998, Zeiner et al. 1988). They remain in underground burrows in aestivation eight to ten months of the year and emerge during relatively warm (50 to 55 degrees Fahrenheit), heavy rainfall events from January through March to breed; however, they may also emerge in any month between October and April if rainfall and temperatures are sufficient (Holland and Goodman 1998).

Existing Habitat

A literature review was conducted to determine if the western spadefoot may have occurred historically in the project vicinity. The LAX Master Plan Final Environmental Impact Report (EIR) (City of Los Angeles 2004) and Final Environmental Impact Statement (EIS) (FAA 2005) stated that the western spadefoot was detected at three ephemeral ponds in the south airfield of LAX, with evidence of breeding in these ponds immediately southwest of the Materials Plant Area and southeast of Staging Laydown Areas 7 and 15. The Riverside fairy shrimp (*Streptocephalus woottoni*), a federally listed Endangered species was also detected in these ponds. The soil containing the fairy shrimp cysts (eggs) was subsequently removed from the airport in accordance with two separate Biological Opinions (BOs) issued by the U.S. Fish and Wildlife Service (USFWS) on April 20, 2004 and April 8, 2005 (Sapphos 2005). The result of this removal of the impervious clay topsoil modified the hydrology on the site facilitating percolation of rainfall and eliminating ponding for periods suitable for western spadefoot breeding.

Survey Methodology

On March 19, 2009, BonTerra Consulting Ecologist Sam Stewart conducted a detailed habitat assessment for the western spadefoot within the survey areas. Mr. Stewart determined suitable breeding habitat was not present within the Continental Property and since there were no previous records of the toad within this area, focused surveys were not warranted.

Due to the recorded presence of western spadefoot in 1996, focused surveys for western spadefoot adults were conducted by Mr. Stewart within the Materials/Plant Area by methodically searching all suitable, or potentially suitable, foraging habitats. Surveys for larvae and egg masses were not conducted due to lack of suitable breeding habitat.

Surveys for adults were conducted on two (2) nights with the best possible environmental conditions conducive to the activity patterns for this species. Generally, the most suitable conditions for adult toad activity are night time temperatures in excess of 50° Fahrenheit and heavy rain in excess of one inch per 24 hours. Surveys were initiated approximately one hour prior to sunset and continued to three hours after sunset. Any amphibians encountered were identified in the field to species and were documented (Appendix A). Survey dates, times and weather data for the surveys are shown in Table 1.

TABLE 1
SUMMARY OF SURVEY DATA AND CONDITIONS FOR
WESTERN SPADEFOOT SURVEYS

Spadefoot Survey Dates	Survey Time (hrs)	Air Temperature (°F)	Wind (mph)	Relative Humidity (%)	Cloud Cover (%)
March 19, 2009	1330-1640	60	2-5	88	30
	1900-2200	54.1	0-2	92	80
April 6, 2009	1900-2200	60	3-6	92	100 *
* light rain during survey					

Results

No western spadefoot were observed during surveys. This species is most often detected by the observation of eggs, larvae, or calling/breeding adults in suitable habitat (i.e., ponded water). The removal of soil in the pool areas in 2005 (as a BO condition for the fairy shrimp) resulted in modified site hydrology that no longer provides suitable breeding habitat for western spadefoots. In addition, the habitat onsite is not expected to become re-inhabited by a breeding population due to the absence of ponds with the required hydrology.

Please contact Stacie Tennant or Sam Stewart at (714) 444-9199 if you have questions or comments.

Sincerely,

BONTERRA CONSULTING



Stacie A. Tennant
Senior Project Manager/Biologist

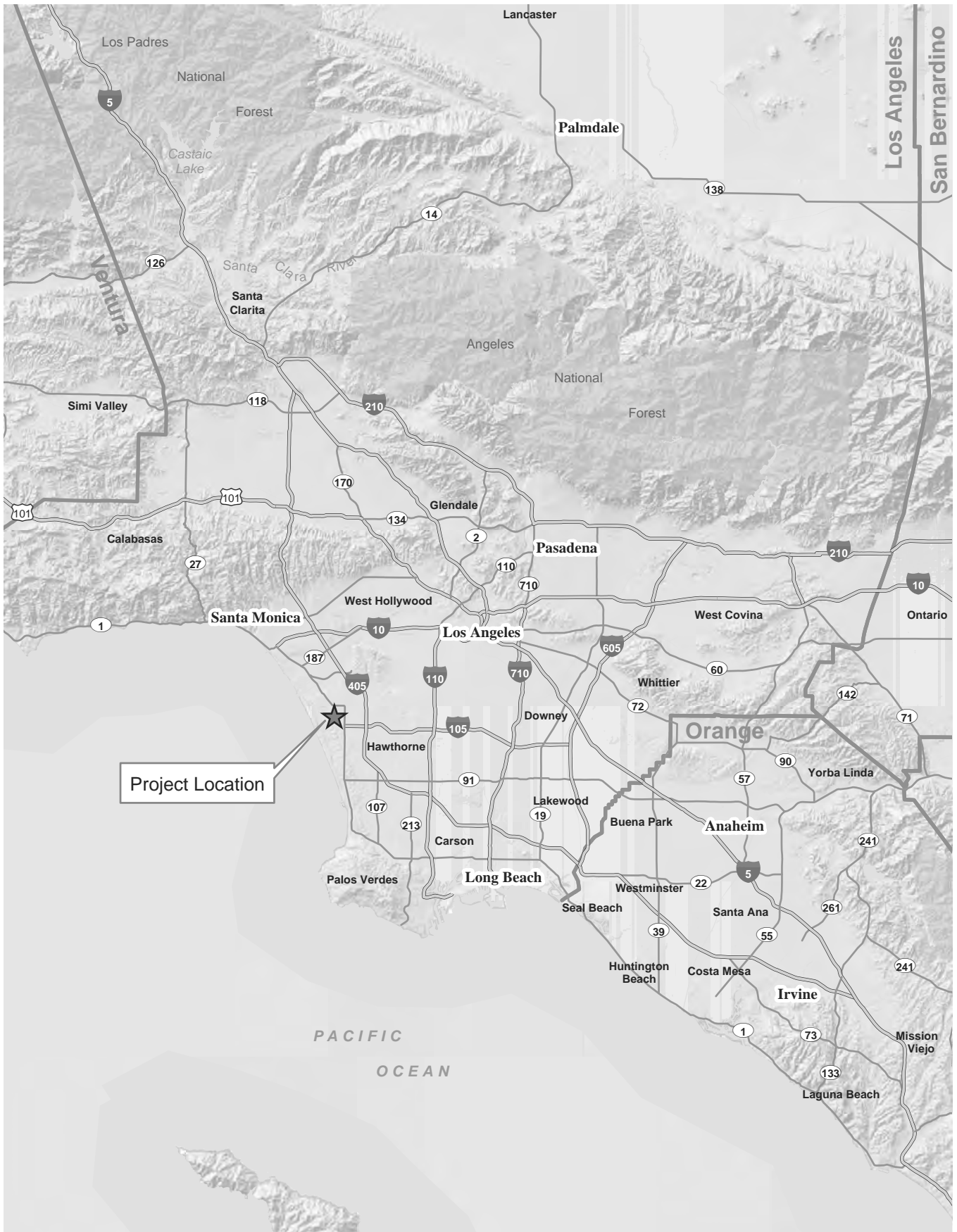


Sam C. Stewart, IV
Project Manager/Biologist

Attachments: Exhibits 1, 2, 3, and 4
Appendix A

REFERENCES

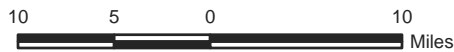
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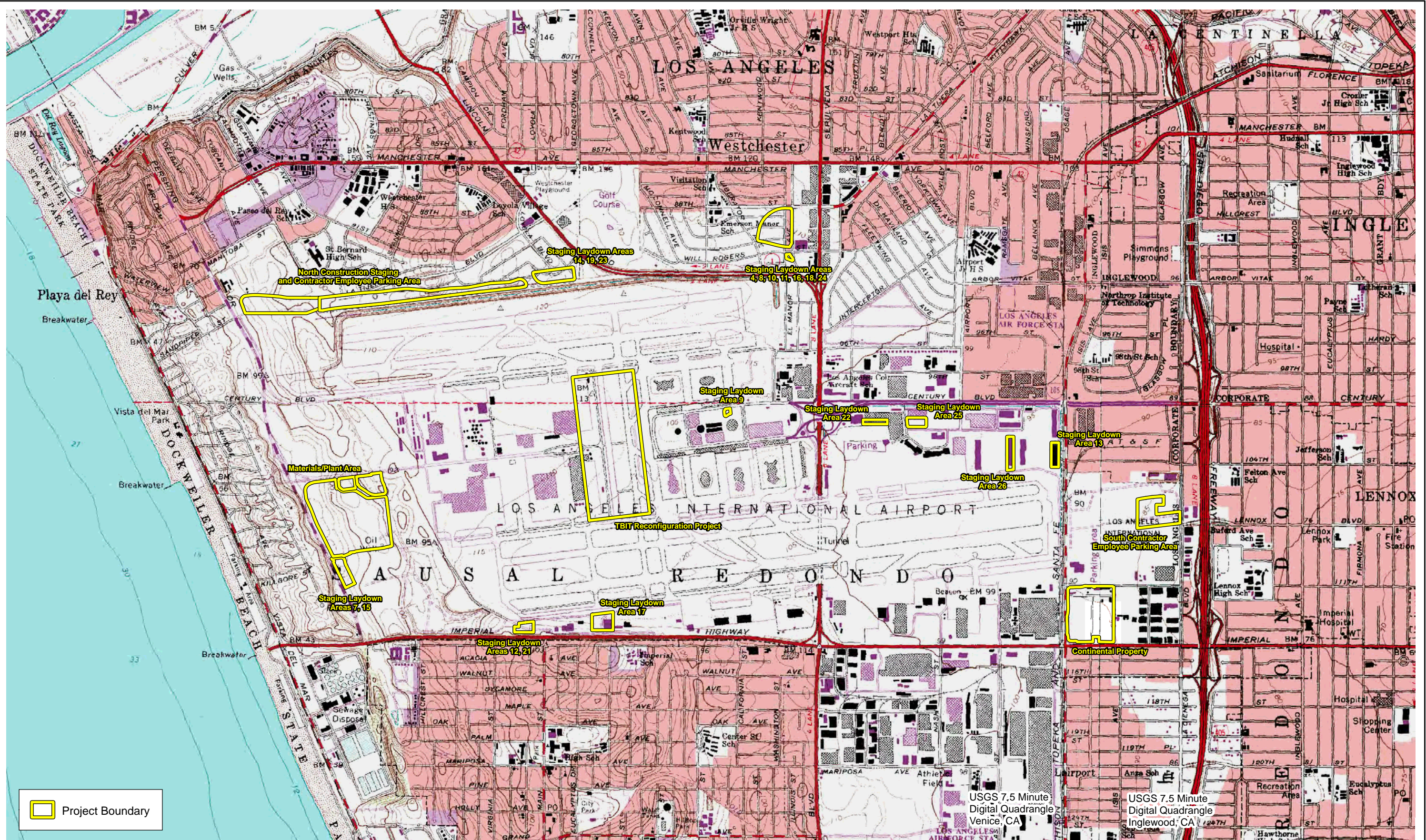


Regional Location

Exhibit 1

TBIT Reconfiguration Project Continental City Area





Local Vicinity

TBIT Reconfiguration Project Site

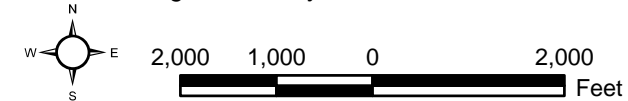



Exhibit 2

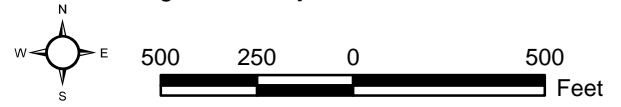




 Survey Area

Survey Area

TBIT Reconfiguration Project Site





1996 Western Spadefoot Locations

TBIT Reconfiguration Project Site

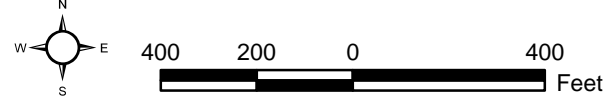


Exhibit 4

APPENDIX A

**WILDLIFE SPECIES OBSERVED OR DETECTED
ON THE TBIT PROJECT MATERIALS PLANT AREA AND CONTINENTAL PROPERTY**

**WILDLIFE SPECIES OBSERVED OR DETECTED
ON THE TBIT PROJECT MATERIALS PLANT AREA AND CONTINENTAL PROPERTY**

Amphibians
PLETHODONTIDAE - LUNGLESS SALAMANDERS
<i>Batrachoseps major major</i> garden slender salamander
Reptiles
PHRYNOSOMATIDAE - ZEBRA-TAILED, FRINGE-TOED, SPINY, TREE, SIDE-BLOTCHED, AND HORNED LIZARDS
<i>Sceloporus occidentalis</i> western fence lizard
<i>Uta stansburiana</i> side-blotched lizard
Birds
COLUMBIDAE - PIGEONS & DOVES
<i>Zenaida macroura</i> mourning dove
TROCHILIDAE - HUMMINGBIRDS
<i>Calypte anna</i> Anna's hummingbird
CORVIDAE - JAYS & CROWS
<i>Corvus brachyrhynchos</i> American crow
AEGITHALIDAE - BUSHTITS
<i>Psaltriparus minimus</i> bushtit
STURNIDAE - STARLINGS
<i>Sturnus vulgaris</i> European starling *
EMBERIZIDAE - SPARROWS & JUNCOS
<i>Pipilo crissalis</i> California towhee
<i>Zonotrichia leucophrys</i> white-crowned sparrow
FRINGILLIDAE - FINCHES
<i>Carpodacus mexicanus</i> house finch
<i>Carduelis psaltria</i> lesser goldfinch
CANIDAE - WOLVES & FOXES
<i>Vulpes vulpes</i> red fox
* introduced species

Appendix H-4
LAX Bradley West Project Draft EIR

**Riverside Fairy Shrimp Wet Season
Presence/Absence Survey Report**

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

BonTerra Consulting
151 Kalmus Drive, Suite E-200
Costa Mesa, California 92626

April 20, 2009

Ms. Sandy Marquez
U.S. Fish and Wildlife Service
6010 Hidden Valley Road
Carlsbad, California 92011

VIA EMAIL AND MAIL
sandy_marquez@fws.gov

Subject: 90-Day Report for the Wet Season Presence/Absence Survey for Vernal Pool Branchiopods Conducted on the Tom Bradley International Terminal Reconfiguration Project Continental City Area, Los Angeles County, California

This Letter Report presents the results of wet season surveys for vernal pool branchiopods (i.e., fairy shrimp) within the Tom Bradley International Terminal (TBIT) Reconfiguration Project Continental City Area, also known as the Bradley West Project (hereafter referred to as the "survey area") at the Los Angeles International Airport (LAX). The survey focused on the determination of presence of the Riverside fairy shrimp (*Streptocephalus woottoni*), a federally-listed Endangered species. A biological constraints survey performed in November 2008 determined that there is potentially suitable habitat for the Riverside fairy shrimp within the survey area. Biologists holding the necessary Federal Endangered Species Act (FESA) survey permit conducted the focused surveys according to guidelines established by the U.S. Fish and Wildlife Service (USFWS).

PROJECT LOCATION

The survey area is located in the southwestern portion of the City of Los Angeles in Los Angeles County, California (Exhibit 1). Specifically, the survey area is located in the eastern portion of LAX, between 111th Street and Imperial Highway, and is west of Interstate 405 (I-405), north of Interstate 105 (I-105), south of Century Boulevard, and east of Aviation Boulevard (Exhibit 2). The survey area is located on the Inglewood, California U.S. Geological Survey (USGS) 7.5-minute quadrangle of the San Bernardino Meridian.

BACKGROUND

Fairy shrimp are members of the Order Anostraca that are restricted to inland (i.e., non-marine), non-flowing, primarily ephemeral waters (Eriksen and Belk 1999). They produce embryonated resting eggs called "cysts" that allow them to persist in ephemeral waters. These cysts are viable in conditions such as drying, freezing, or digestion by animals. This characteristic allows them to be distributed between pools over great distances. The cysts hatch under appropriate environmental conditions for a particular species.



Riverside Fairy Shrimp (*Streptocephalus woottoni*)

The Riverside fairy shrimp was listed as an Endangered species on August 3, 1993 (USFWS 1993). The distribution of this species is among the most restricted ranges for any of the fairy shrimp on the west coast. They are known from Ventura, Los Angeles, Orange, western San Diego, and Riverside counties and immediately south of the international border in Baja California, Mexico (USFWS 2005), and they are found only in pools that are generally deep (greater than 30 centimeters) (Hathaway and Simovich 1996). Development and maturation are much slower in this species than other fairy shrimp, with an average of 7–8 weeks to fully mature (Hathaway and Simovich 1996). Due to this slow development, the minimum duration for inundation of a vernal pool that can support Riverside fairy shrimp is 9–10 weeks (Gonzalez et al. 1996; Hathaway and Simovich 1996).

Critical habitat was designated for the Riverside fairy shrimp on April 12, 2005, and includes 306 acres in Ventura, Orange, and San Diego counties (USFWS 2005). However, the project site is not within the designated critical habitat for this species.

Methods

Notification of wet season survey commencement for the survey area was provided on December 23, 2008, to Sandy Marquez of the USFWS, Carlsbad Office. Surveys for vernal pool branchiopods were conducted to comply with the USFWS's *Interim Survey Guidelines to Permittees for Recovery Permits under Section 10(a)(1)(A) of the Endangered Species Act for the Listed Vernal Pool Branchiopods* (USFWS 1996). Jeff Crain (Permit # TE-047998-1) of BonTerra Consulting performed surveys on January 5 and 20; February 5, 19, and 26; March 9 and 19; and April 1, 2009.

The location of each depression was recorded with a Garmin Etrex Legend Global Positioning System (GPS) receiver (Exhibit 3). During each survey visit, air temperature, wind speed, and other weather conditions were recorded on USFWS vernal pool data sheets. The surface area, water depth, and surface water temperature were also recorded for each ponded depression. Sampling of branchiopod species was performed with the aid of a dip net, which was passed through all depressions that retained water at least three centimeters deep at the time of the survey. Sampling occurred randomly through all portions of each of the ponded depressions from the bottom to the surface. Fairy shrimp were identified to species in the field. Estimates of fairy shrimp population densities for each ponded depression were recorded as 10s, 100s, or 1,000s of immatures and reproductive adults. All information was recorded on a USFWS vernal pool data sheet, which was completed for every ponded depression that met the inundation requirement at the time of the survey (Attachment A). Additionally, representative photographs were taken of each depression (Exhibits 4a and 4b).

Specimens were stored in a plastic vial with a 50 percent mixture of water and seltzer water; each sample was labeled with the depression number. Within 24 hours, specimens were placed in an alcohol solution. Specimen identification was confirmed using a 7.5x–35x zoom microscope and dichotomous key from Eriksen and Belk (1999).

Results

All of the depressions were inundated with water over 3 centimeters deep during the survey period, with the exception of Depression 2 which did not pond during the survey period. Only Depression 1 and Depression 3 held water for longer than 10 days and none of the depressions

held water for 120 days (Exhibit 3). The non-listed versatile fairy shrimp (*Branchinecta lindahli*) was identified in Depressions 1 and 3 within the survey area. No federally-listed Endangered or Threatened fairy shrimp were identified in any of the ponding depressions. Table 1 summarizes the findings of the 2009 vernal pool branchiopod wet season survey.

**TABLE 1
 RESULTS OF THE VERNAL POOL BRANCHIOPOD SURVEY**

Date	Site Visit	Depression #	Pool Size (square meters)	Branchiopod Species Detected	Species Density
1/5/09	1	1	200.00	<i>Branchinecta lindahli</i> (adult)	10s
		2	dry	-	-
		3	5.00	-	-
		4	dry	-	-
		5	dry	-	-
		6	dry	-	-
		7	dry	-	-
		8	dry	-	-
		9	dry	-	-
1/20/09	2	1	25.00	none	-
		2	dry	-	-
		3	dry	-	-
		4	dry	-	-
		5	dry	-	-
		6	dry	-	-
		7	dry	-	-
		8	dry	-	-
		9	dry	-	-
2/5/09	3	1	dry	-	-
		2	dry	-	-
		3	dry	-	-
		4	dry	-	-
		5	dry	-	-
		6	dry	-	-
		7	dry	-	-
		8	dry	-	-
		9	dry	-	-
2/19/09	4	1	1,858.00	<i>Branchinecta lindahli</i> (adult)	100s
		2	dry	-	-
		3	16.75	<i>Branchinecta lindahli</i> (adult)	10s
		4	5.00	-	-
		5	6.50	-	-
		6	1,394.00	-	-
		7	4.00	-	-
		8	5.00	-	-
		9	2.50	-	-
2/26/09	5	1	1,500.00	<i>Branchinecta lindahli</i> (adult)	1000s
		2	dry	-	-
		3	5.50	none	-
		4	dry	-	-
		5	dry	-	-
		6	dry	-	-
		7	dry	-	-
		8	dry	-	-
		9	dry	-	-

**TABLE 1 (Continued)
 RESULTS OF THE VERNAL POOL BRANCHIOPOD SURVEY**

Date	Site Visit	Depression #	Pool Size (square meters)	Branchiopod Species Detected	Species Density
3/9/09	6	1	1,100.00	<i>Branchinecta lindahli</i> (adult)	1000s
		2	dry	—	—
		3	dry	—	—
		4	dry	—	—
		5	dry	—	—
		6	dry	—	—
		7	dry	—	—
		8	dry	—	—
		9	dry	—	—
3/19/09	7	1	400.00	none	—
		2	dry	—	—
		3	dry	—	—
		4	dry	—	—
		5	dry	—	—
		6	dry	—	—
		7	dry	—	—
		8	dry	—	—
		9	dry	—	—
4/1/09	8	1	dry	—	—
		2	dry	—	—
		3	dry	—	—
		4	dry	—	—
		5	dry	—	—
		6	dry	—	—
		7	dry	—	—
		8	dry	—	—
		9	dry	—	—

CONCLUSIONS/RECOMMENDATIONS

In conclusion, the results of the wet season surveys conducted for the survey area during the 2009 rainy season solely determined the presence of the non-listed versatile fairy shrimp. No federally listed fairy shrimp were observed within the survey area. According to USFWS protocol guidelines, a complete branchiopod survey consists of sampling for either two full wet season surveys or two consecutive surveys of one wet season and one dry season. A 2009 dry season survey or a 2009–2010 wet season survey will be conducted for the survey area; results of the selected survey will be submitted in a separate Letter Report.

Ms. Sandy Marquez
April 20, 2009
Page 5

If you have any questions regarding the content of this letter, please contact Jeff Crain or Stacie Tennant at (714) 444-9199.

Sincerely,

BONTERRA CONSULTING




Stacie A. Tennant
Senior Project Manager



Jeff S. Crain
Biologist

I certify that the information in this survey report and attached exhibits fully and accurately represents my work.



Jeff S. Crain (TE-047998-1)
Biologist

cc: Ms. Robin Ijams, CDM
Ms. Emily Glassburn, CDM
Ms. Kelly Paulsen, CDM

Attachments: Exhibits 1, 2, 3, 4a, and 4b
Attachment A – Vernal Pool Data Sheets

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of Two Southern Californian Anostracans (Branchiopoda), *Branchinecta sandiegonensis* and *Streptocephalus woottoni*. *Journal of Crustacean Biology* 16: 669–677. Lawrence, KS: The Crustacean Society.

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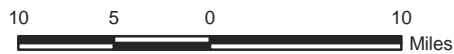
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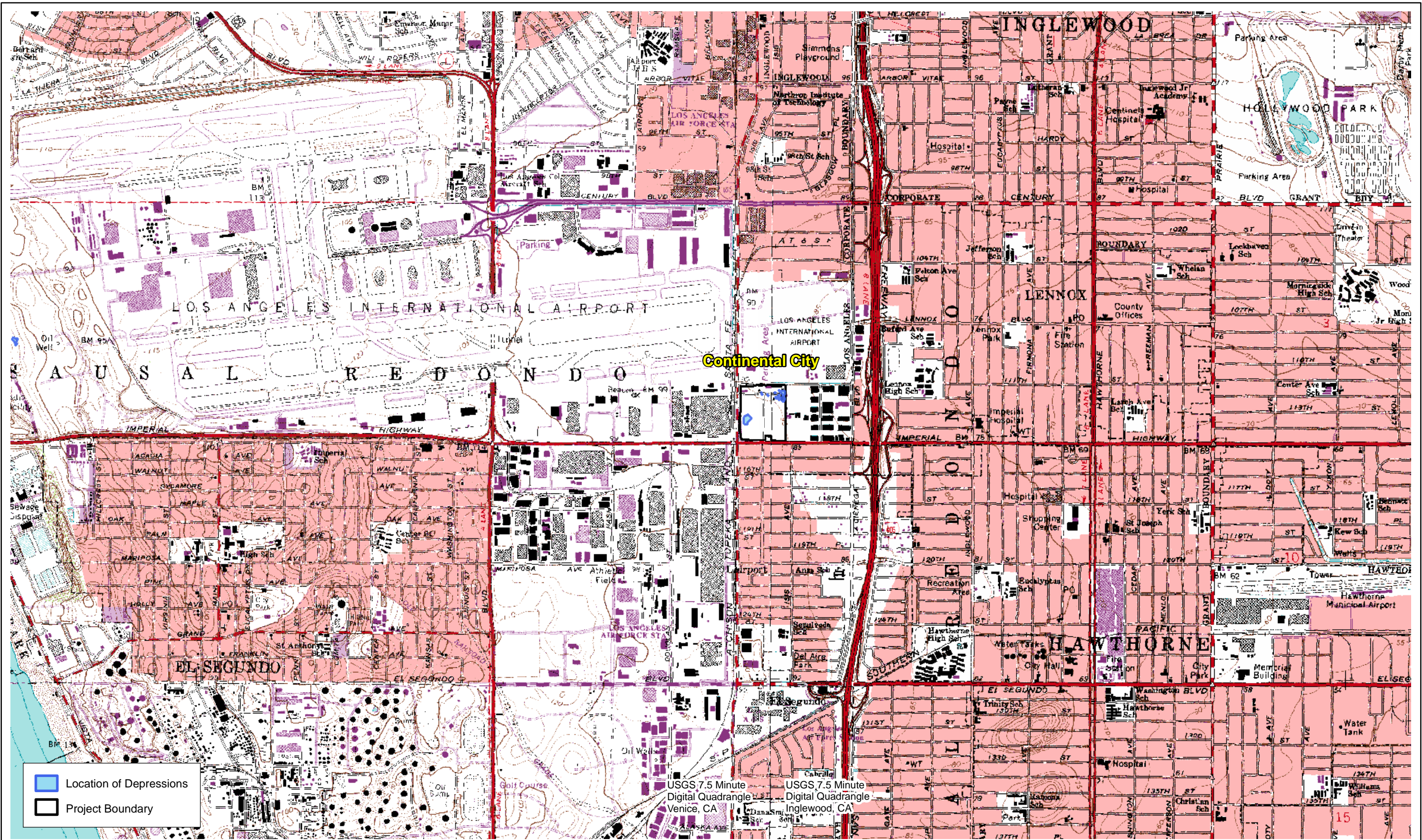


Regional Location

Exhibit 1

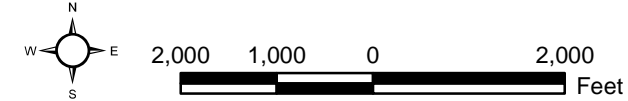
TBIT Reconfiguration Project Continental City Area





Local Vicinity

TBIT Reconfiguration Project Continental City Area





Depression Locations

TBIT Reconfiguration Project Continental City Area

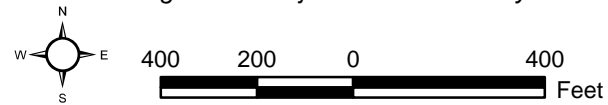


Exhibit 3





Depression 1



Depression 2



Depression 3



Depression 4



Depression 5



Depression 6

Site Photographs

TBIT Reconfiguration Project Continental City Area

Exhibit 4a





Depression 7



Depression 8



Depression 9

ATTACHMENT A

**U.S. FISH AND WILDLIFE SERVICE
VERNAL POOL DATA SHEETS**

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no yes

Required color slides and/or photographs for the project site are included: ___ no yes

Date: 1/5/09 Time: 1000 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Cain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) Continental City Pool #: 1

Township: 25 Range: 14 W Section: _____ lat. _____ long. _____

Temperature: Water: 11 °C Air: 25 °C

Pool Depth: Surface Area:

at time of sampling: 6.35 cm at time of sampling: 20 m x 10 m

estimated maximum: 30.5 cm estimated maximum: 60 m x 30 m

Habitat Condition: (circle where appropriate)

- undisturbed	<input checked="" type="radio"/> <u>disturbed:</u>	tire tracks	garbage	discing/plowing	
- ungrazed	<input type="radio"/> grazed:	cattle	horses	sheep	other <u>Road Base</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Pit excavated for high-rise building.
Construction plans abandoned

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Brachinecta lindahli (adult): 10's

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) mosquito larvae

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no yes

Required color slides and/or photographs for the project site are included: ___ no yes

Date: 1/5/09 Time: 1020 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) Continental City Pool #: 3

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 11 °C Air: 25 °C

Pool Depth: Surface Area:

at time of sampling: 3.81 cm at time of sampling: 5 m x 1 m

estimated maximum: 6 cm estimated maximum: 10 m x 2 m

Habitat Condition: (circle where appropriate)

- undisturbed	<input checked="" type="checkbox"/> <u>disturbed:</u>	<input checked="" type="checkbox"/> <u>tire tracks</u>	garbage	discing/plowing	
- ungrazed	<input type="checkbox"/> grazed:	<input type="checkbox"/> cattle	horses	sheep	other _____
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded, construction discontinued.

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 1/20/09 Time: 0900 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) Continental City Pool #: 1

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 16 °C Air: 25.2 °C

Pool Depth: Surface Area:

at time of sampling: 1.27 cm at time of sampling: 5 m x 5 m

estimated maximum: 30.5 cm estimated maximum: 60 m x 30 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	tire tracks	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>Road Base</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Pit excavated for high rise building.
Construction plans abandoned

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status) \emptyset

Notostracans: (note reproductive status) \emptyset

(Optional) Species Observations:

Cladocerans: yes no

Conchostracans: yes no

Copepods: yes no

Ostracods: yes no

Fish: yes no

Frogs: yes no

Salamanders: yes no

Waterfowl: yes no

Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no

Zygoptera: yes no

Hydrophilidae: yes no

Dytiscidae: yes no

Corixidae: yes no

Notonectidae: yes no

Belostomatidae: yes no

Other (specify) Bloodworm, springtail

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 0900 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) - Continental City Pool #: 1

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 12 °C Air: 21.9 °C

Pool Depth: Surface Area:

at time of sampling: 32.5 cm at time of sampling: 61 m x 30.5 m

estimated maximum: 32.5 cm estimated maximum: 61 m x 30.5 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	tire tracks	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>Road Base</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. P.t excavated for high-rise building. Construction plans abandoned

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Brachinecta lindabli (adult): 100's

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: no
Copepods: yes
Ostracods yes
Fish yes
Frogs yes
Salamanders yes
Waterfowl yes
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes
Zygoptera: yes
Hydrophilidae: yes
Dytiscidae: yes
Corixidae: yes
Notonectidae: yes
Belostomatidae: yes
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 0920 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) Continental City Pool #: 3

Township: 25 Range: 14W Section: _____ lat. _____ long. _____

Temperature: Water: 12.5 oC Air: 21.9 oC

Pool Depth: Surface Area:

at time of sampling: 10.2 cm at time of sampling: 8.1 m x 2.05 m

estimated maximum: 10.2 cm estimated maximum: 8.1 m x 2.05 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	<u>fire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other _____
			light	moderate	heavy

- land use of habitat:

Former construction site, partially graded, construction discontinued.

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Brachinecta lindahli (♀'s with full brood sacks) - 10's

Notostracans: (note reproductive status)

∅

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) Mosquito larvae

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 0930 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT(LAX) - Continental City Pool #: 4

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 12.5 oC Air: 21.9 oC

Pool Depth: Surface Area:

at time of sampling: 5.08 cm at time of sampling: 5 m x 1 m

estimated maximum: 5.08 cm estimated maximum: 5 m x 1 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	<u>tire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>grading</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 0945 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) - Continental City Pool #: 5

Township: 2S Range: 14W Section: _____ lat. _____ long. _____

Temperature: Water: 12.5 oC Air: 22 oC

Pool Depth: Surface Area:

at time of sampling: 5.08 cm at time of sampling: 3.25 m x 3.05 m

estimated maximum: 5.08 cm estimated maximum: 3.25 m x 3.05 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	<u>fire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>grading</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 1000 County: Los Angeles Quad: Inglowood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT(LAX)-Continental City Pool #: 6

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 12 oC Air: 22 oC

Pool Depth: Surface Area:

at time of sampling: 35.6 cm at time of sampling: 152 m x 9.2 m

estimated maximum: 35.6 cm estimated maximum: 152 m x 9.2 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	<u>tire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>Graveling</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

∅

Notostracans: (note reproductive status)

∅

(Optional) Species Observations:

Cladocerans: yes no

Conchostracans: yes no

Copepods: yes no

Ostracods: yes no

Fish: yes no

Frogs: yes no

Salamanders: yes no

Waterfowl: yes no

Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no

Zygoptera: yes no

Hydrophilidae: yes no

Dytiscidae: yes no

Corixidae: yes no

Notonectidae: yes no

Belostomatidae: yes no

Other (specify) Mosquito larvae

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 1020 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT(LAX)-Continental City Pool #: 7

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 12.5 oC Air: 22 oC

Pool Depth: Surface Area:

at time of sampling: 5.1 cm at time of sampling: 2 m x 2 m

estimated maximum: 5.1 cm estimated maximum: 2 m x 2 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	<u>fire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>grading</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

~~0~~
Notostracans: (note reproductive status)

~~0~~
(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 1030 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) - Continental City Pool #: 8

Township: S25 Range: 14W Section: _____ lat. _____ long. _____

Temperature: Water: 12 °C Air: 22 °C

Pool Depth: Surface Area:

at time of sampling: 3.81 cm at time of sampling: 2.2 m x 2.2 m

estimated maximum: 3.81 cm estimated maximum: 2.2 m x 2.2 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed</u>	<u>tire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>grading</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

0
Notostracans: (note reproductive status)

0
(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/19/09 Time: 1045 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TRIT (LAX) - Continental City Pool #: 9

Township: 2S Range: 14W Section: _____ lat. _____ long. _____

Temperature: Water: 13 °C Air: 22 °C

Pool Depth: Surface Area:

at time of sampling: 3.81 cm at time of sampling: 1.6 m x 1.6 m

estimated maximum: 3.81 cm estimated maximum: 1.6 m x 1.6 m

Habitat Condition: (circle where appropriate)

- | | | | | | |
|---------------|-------------------|--------------------|---------|-----------------|----------------------|
| - undisturbed | <u>disturbed:</u> | <u>fire tracks</u> | garbage | discing/plowing | |
| - ungrazed | grazed: | cattle | horses | sheep | other <u>grading</u> |
| | | | light | moderate | heavy |

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 2/26/09 Time: 0900 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TF-047992-1

Site/Project Name: TBIT (LAX) - Continental City Pool #: 1

Township: 2S Range: 14W Section: _____ lat. _____ long. _____

Temperature: Water: 15 oC Air: 23 oC

Pool Depth: Surface Area:

at time of sampling: 12.75 cm at time of sampling: 50 m x 30 m

estimated maximum: 30.5 cm estimated maximum: 60 m x 30 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	tire tracks	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>Road Base</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Pit excavated for high-rise buildings. Construction plans abandoned

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH₄: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Branchinecta lindahli (adults) 1000's

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no

Conchostracans: yes no

Copepods: yes no

Ostracods yes no

Fish yes no

Frogs yes no

Salamanders yes no

Waterfowl yes no

Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no

Zygoptera: yes no

Hydrophilidae: yes no

Dytiscidae: yes no

Corixidae: yes no

Notonectidae: yes no

Belostomatidae: yes no

Other (specify) Mosquito larvae

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ____ no X yes

Required color slides and/or photographs for the project site are included: ____ no X yes

Date: 2/26/09 Time: 0930 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT(LAX) - Continental City Pool #: 3

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 16.5 oC Air: 23 oC

Pool Depth: Surface Area:

at time of sampling: 2.54 cm at time of sampling: 5.5 m x 1 m

estimated maximum: 6 cm estimated maximum: 10 m x 2 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	<u>tire tracks</u>	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>grading</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Partially graded

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no
Conchostracans: yes no
Copepods: yes no
Ostracods yes no
Fish yes no
Frogs yes no
Salamanders yes no
Waterfowl yes no
Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no
Zygoptera: yes no
Hydrophilidae: yes no
Dytiscidae: yes no
Corixidae: yes no
Notonectidae: yes no
Belostomatidae: yes no
Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 3/9/09 Time: 0900 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047998-1

Site/Project Name: TBIT (LAX) - Continental City Pool #: 1

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 17 °C Air: 24 °C

Pool Depth: Surface Area:

at time of sampling: 11.43 cm at time of sampling: 45 m x 23 m

estimated maximum: 30.5 cm estimated maximum: 60 m x 30 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed</u>	tire tracks	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>Road Base</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Pit excavated for high rise building. Construction plans abandoned.

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Branchinecta lindahli (adults) - 1000's

Notostracans: (note reproductive status)

(Optional) Species Observations:

Cladocerans: yes no

Conchostracans: yes no

Copepods: yes no

Ostracods: yes no

Fish: yes no

Frogs: yes no

Salamanders: yes no

Waterfowl: yes no

Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no

Zygoptera: yes no

Hydrophilidae: yes no

Dytiscidae: yes no

Corixidae: yes no

Notonectidae: yes no

Belostomatidae: yes no

Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

**U.S. Fish and Wildlife Service Vernal Pool Data Sheet
Wet Season Survey**

Note: Please fill out the required information completely for each site visit.

This form is being submitted to serve as part of the 90-day report: ___ no X yes

Required color slides and/or photographs for the project site are included: ___ no X yes

Date: 3/19/09 Time: 0900 County: Los Angeles Quad: Inglewood

Collector(s): Jeff Crain Permit #: TE-047950-1

Site/Project Name: TBIT (LAX) - Continental City Pool #: 1

Township: 2S Range: 14W Section: _____ lat. _____ long.

Temperature: Water: 32 oC Air: 28 oC

Pool Depth: Surface Area:

at time of sampling: 7.62 cm at time of sampling: 20 m x 20 m

estimated maximum: 30.5 cm estimated maximum: 60 m x 30 m

Habitat Condition: (circle where appropriate)

- undisturbed	<u>disturbed:</u>	tire tracks	garbage	discing/plowing	
- ungrazed	grazed:	cattle	horses	sheep	other <u>Road Base</u>
			light	moderate	heavy

- land use of habitat:

Former construction site. Pit excavated for high-rise building. Construction plans abandoned.

(Optional) Water Chemistry Data

Alkalinity (total): _____ ppm or mg/l

Conductivity: _____ uMHO

Dissolved NH4: _____ ppt or ppm

Dissolved Oxygen: _____ ppm or mg/l

pH: _____

Turbidity: (secchi disc depth) _____ cm or: clear to bottom _____

Salinity: _____ ppt or ppm

Total Dissolved Solids (TDS): _____ ppm

Notes:

U.S. Fish and Wildlife Service Vernal Pool Data Sheet Wet Season Survey

Note: Please fill out the required information completely for each site visit.

Species Observed: state none or estimate # of individuals present in terms of an order of magnitude (e.g., 10's, 100's, 1000's)

Anostracans: (note reproductive status)

Ø

Notostracans: (note reproductive status)

Ø

(Optional) Species Observations:

Cladocerans: yes no

Conchostracans: yes no

Copepods: yes no

Ostracods: yes no

Fish: yes no

Frogs: yes no

Salamanders: yes no

Waterfowl: yes no

Other (specify) _____

Insects: (adult or larvae)

Anisoptera: yes no

Zygoptera: yes no

Hydrophilidae: yes no

Dytiscidae: yes no

Corixidae: yes no

Notonectidae: yes no

Belostomatidae: yes no

Other (specify) _____

Voucher Specimens Specimens shall be preserved according to the standards of the institution in which they will be accessioned.

Species

Individuals

Accession/Catalog #

Pool #

Appendix I
LAX Bradley West Project Draft EIR

**Evaluation of Water Quality Best Management
Practices Applicable to the Bradley West Project**

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

CDM
111 Academy, Suite 150
Irvine, CA 92617

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1. INTRODUCTION

As required by the LAX Master Plan EIR, Los Angeles World Airports (LAWA) developed a Conceptual Drainage Plan¹ to provide a basis by which detailed, project-specific drainage improvement plans at LAX would be designed. The Conceptual Drainage Plan provides an overview of relevant storm water regulations affecting planned Master Plan improvements, identifies the methodology used in evaluation of the required best management practices (BMPs), and provides a link between the Master Plan EIR and future specific Master Plan projects. Section 4 of the Conceptual Drainage Plan identifies a suite of recommended BMPs for complying with permit requirements. These BMPs represent a range of options for preliminary steps in planning the type of BMPs and sizing requirements during the project development phase.

The recommended BMP options included source control (pollution prevention) and treatment control BMPs. The main objective for selection of BMPs for the LAX Master Plan area was to incorporate systems capable of potentially minimizing the surface water quality impacts to the maximum extent practicable (MEP) level (i.e., meeting MS4 permit and SUSMP requirements) and demonstrating that implementation of BMPs can prevent a net increase in pollutant loads to surface waters as required by Master Plan Commitment HWQ-1.

Additionally, as each Master Plan project progresses through planning and design, a project-specific Standard Urban Stormwater Mitigation Plan (SUSMP) will be required based on detailed site engineering.

The TBIT-RP project involves the following:

- ◆ Construction of new north and south concourses at TBIT just west of the existing concourses
- ◆ Demolition of existing concourses
- ◆ Construction of nine aircraft gates, and associated loading bridges and apron areas along the west side of the new concourses at TBIT
- ◆ Relocation and consolidation of existing aircraft gates along the east side of TBIT, resulting in nine new aircraft gates, and associated loading bridges and apron areas
- ◆ Renovation, improvement, and enlargement of existing U.S. Customs and Border Protection (CBP) areas within the Central Core of TBIT
- ◆ Renovation, improvement, and enlargement of existing concessions areas, office areas, and operations areas within the Central Core of TBIT
- ◆ Construction of secure/sterile passenger corridors between Terminals 3 and 4 and TBIT
- ◆ Westward relocation of existing Taxiways Q and S

All proposed project activities for TBIT-RP lie within both the Pershing Sub-area² and Imperial Sub-area, as described in the Conceptual Drainage Plan.

Furthermore, all portions of the proposed TBIT-RP development footprint (approximately 116 acres) are currently impervious, except for an unpaved strip between Taxiways Q and S of 5.3 acres that would be converted to an impervious area.

2. BEST MANAGEMENT PRACTICE OPTIONS

BMPs are practices, or combinations of practices, currently determined to be effective for preventing or reducing storm water pollution to the MEP. One of the main objectives of the Conceptual Drainage Plan was to identify BMPs currently accepted by regulatory authorities to mitigate water quality impacts to the MEP.

¹ Los Angeles World Airports, Los Angeles International Airport Conceptual Drainage Plan, June 2005.

² The CDP uses the equivalent term "Sub-area" to describe "Sub-basins." For consistency with the LAX TBIT-RP Draft EIR, this appendix will use the term "Sub-basin," as the two terms may be used interchangeably.

I. Evaluation of Water Quality Best Management Practices

When implemented and maintained properly, these BMPs are intended to result in the reduction of pollutants in storm water to the MEP. Furthermore, the Conceptual Drainage Plan provided general recommendations for implementation of measures to satisfy the General Construction and Industrial Permit requirements. These recommendations include requirements for measures and controls that utilize best available technology (BAT) and best control technology (BCT) to reduce pollutants. In addition, BMP implementation considers minimizing the following potential impacts:

- ◆ Polluted runoff that may require supplemental storm water treatment
- ◆ Exceedance of surface water quality criteria as outlined in the Regional Water Quality Control Board (RWQCB) *Water Quality Control Plan* for the Los Angeles Basin³
- ◆ Exceedance of RWQCB surface water quality criteria in groundwater recharge areas
- ◆ Negative effects on the capacity for surface water to recharge groundwater aquifer systems

BMPs can be designed to either prevent pollution from reaching runoff waters (source control) or to treat affected runoff before it discharges into receiving waters (treatment control). Source control BMPs are baseline measures used to address design phase elements, routine and good housekeeping measures, construction and industrial activities, and spill control mitigation. Treatment control BMPs mitigate identified impacts on a site-specific basis.

The following is an overview of source control and treatment control BMP options recommended for the TBIT-RP to mitigate potential water quality impacts to the MEP.

2.1 Source Control BMPs

Source control (or pollution prevention) BMPs are a necessary part of any effective BMP strategy. Source controls may be able to provide further mitigation and control some pollutants not controlled by a specific treatment control BMP. Proper incorporation and implementation of these measures during appropriate stages of project design will result in consistent protection of receiving waters. In combination with treatment control BMPs, when implemented properly, source control BMPs are intended to result in the reduction of pollutants in storm water to the MEP level.

A matrix summarizing potential source control BMPs for the TBIT-RP is included in **Table 1**. The matrix shows basic pollution prevention measures conforming to the City of Los Angeles SUSMP guidelines. Additional opportunities for source control may be identified during final design.

2.2 Treatment Control BMPs

In the Conceptual Drainage Plan, a suite of feasible treatment control BMPs was presented based upon project data and information available at the time. The BMP strategy considered the phased implementation of the LAX Master Plan projects. As such, various categories of BMP options were recommended to effectively minimize water quality impacts throughout the phases of construction by categorizing BMPs as follows:

- ◆ Project-Specific BMPs are intended to provide coverage for specific projects, meeting on-site requirements as well as serving as interim measures until sub-regional or regional BMPs are installed.
- ◆ Sub-Regional BMPs maximize opportunities for mitigation by meeting the needs of several projects.
- ◆ Regional BMPs serve the largest tributary area and are designed to address the needs of larger portions of the airport and, if appropriate, off-site needs as well.

³ California Regional Water Quality Control Board, Los Angeles Region 4, Water Quality Control Plan, Los Angeles Region - Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, June 13, 1994.

I. Evaluation of Water Quality Best Management Practices

Table 1
Typical Potential Source Control BMPs

Projects	Housekeeping Practices	Public Education/ Participation	Employee Training	Conserve Natural Areas / Vegetation Controls	Protect Slopes & Channels	Provide Storm Drain System Stenciling & Signage	Trash Storage Areas	Outdoor Material Handling and Storage Areas	Loading / Unloading Dock Areas	Waste Handling & Disposal	Vehicle Fleet Management	Repair/Maintenance Bays	Parking Area	Provide Proof of Ongoing BMP Maintenance	BMPs in Construction SWPPP	BMPs in Industrial SWPPP	Peak Stormwater Runoff Discharge Rates	Minimize Stormwater Pollutants of Concern	Properly Design Vehicle/Equipment/ Accessory Wash Areas	Properly Design Fueling Area	Design to Limit Oil Contamination & Perform Maintenance		
TBIT Reconfiguration	x		x				x	x	x	x	x			x	x	x	x					x	
Taxiways	x		x	x										x	x	x	x	x					x
Ancillary Facilities	x		x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			x

Source: City of Los Angeles Department of Public Works, Bureau of Sanitation, Development Best Management Practices Handbook, Third Edition - Part B: Planning Activities, June 30, 2004.

I. Evaluation of Water Quality Best Management Practices

The intent of recommending the various levels of BMP options was not to provide redundant coverage, but to enable flexibility in meeting the project's water quality needs throughout the phased implementation of the LAX Master Plan.

Project-specific BMPs are recommended to be implemented only if the recommended sub-regional and regional BMPs are not feasible for the project area due to site constraints or are not appropriate based on the development proposed. These BMPs are proposed to address the pollutants of concern to the MEP level.

Based on treatment effectiveness, site constraints, and maintenance considerations, the Conceptual Drainage Plan recommended BMP treatment options for the Pershing Sub-basin and Imperial Sub-basin, in which the TBIT-RP is located. **Table 2** describes these treatment control BMPs.

Table 2
CDP Treatment Control BMP Options for Pershing Sub-Basin and Imperial Sub-Basin

Site Location	Predominant Land Use	Project-Specific BMPs	Sub-Regional BMPs	Regional BMPs¹
Pershing Sub-basin				
Total Pershing	Airport, Open Space, Parking	Drain Inserts/Water Quality Inlets ²	Media Filters ²	Extended Detention/Retention ³
Imperial Sub-basin				
Non-runway	Airport, Commercial, Open Space	Drain Inserts/Water quality Inlets ²	Media Filters ² / Vegetated Swales/ Bioretention	Extended Detention/Retention ³

¹ If regional BMP is not constructed, project-specific BMPs must be used at least on a temporary basis until sub-regional and/or regional BMPs are constructed.

² Proposed measures include water quality inlets and/or media filters as well as expanded use of existing water quality inlets. It should be noted that water quality inlets are recommended to be used only in areas where traffic, fueling and maintenance operations may result in high concentrations of oil/petroleum hydrocarbons in storm water and, in particular, where other BMPs are not feasible.

³ Use of existing water quality retention basin and proposed extended detention basin, both of which would be hydraulically connected.

Source: CDM, 2008.

Consistent with the Conceptual Drainage Plan, the TBIT-RP will incorporate media filters in a project-specific BMP approach.

2.3 Treatment BMP Sizing Requirements

In accordance with the municipal permit, the Conceptual Drainage Plan also discusses how treatment control BMPs incorporated into the LAX Master Plan projects would also be sized to meet SUSMP numerical sizing requirements. Per the SUSMP requirements, volume-based or flow-based design standards are used separately or in combination in sizing of the BMPs. These requirements are consistent with the City of Los Angeles Department of Public Works Development Best Management Practices Handbook provisions.⁴

The SUSMP requirements give several alternative criteria for volumetric and flow sizing. For LAX Master Plan projects, volume of runoff produced by a 0.75-inch 24-hour rainfall event, and water quality flow produced from a 0.2 inch/hour intensity rainfall event from the project site will be used for conceptual BMP sizing.

⁴ City of Los Angeles Department of Public Works, Bureau of Sanitation, Development Best Management Practices Handbook, Third Edition - Part B: Planning Activities, June 30, 2004.

I. Evaluation of Water Quality Best Management Practices

Accordingly, the "water quality volumes" have been calculated as follows:

Water Quality Volume (ac-ft) = Tributary area (ac) X % impervious X 0.75 inches / 12 inches per foot

And flow-based requirements were calculated as follows:

Water Quality Flow (cfs) = Tributary area (ac) X % impervious X 0.2 inch/hr

As described in the Conceptual Drainage Plan, the combined Pershing Sub-basin and Imperial Sub-basin has a total tributary area of approximately 1,208 acres. Of the 1,208 acres, the TBIT-RP involves redevelopment of approximately 116 acres. This project footprint area is approximately 10 percent of the overall Pershing Sub-basin and Imperial Sub-basin.

Table 3 shows the water quality treatment requirements for the TBIT-RP as calculated for a 116 acre tributary area.

Table 3
Water Quality Treatment Requirements

Description	Tributary Area (ac)	Composite % Imperviousness	Water Quality Volume (ac-ft)	Water Quality Flow (cfs)
TBIT-RP footprint	116	100%	7.3	23.4

Source: CDM, 2008.

In order to comply with SUSMP requirements, 23.4 cfs of water quality flow (or 7.3 ac-ft of water quality volume) would require treatment prior to discharge. The recommended BMP treatment for this project would be to apply media filters in order to treat the required water quality flow.

I. Evaluation of Water Quality Best Management Practices

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Appendix J
LAX Bradley West Project Draft EIR

The EDR Radius Map with GeoCheck[®]

May 2009

Prepared for:

Los Angeles World Airports
One World Way
Los Angeles, California 90045

Prepared by:

EDR[®] Environmental Data Resources Inc.
440 Wheelers Farms Road
Milford, Connecticut 06461



The EDR Radius Map with GeoCheck®

**LAX
6981 WORLD WAY WEST
LOS ANGELES, CA 90045**

Inquiry Number: 2204076.1s

April 24, 2008

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

6981 WORLD WAY WEST
LOS ANGELES, CA 90045

COORDINATES

Latitude (North): 33.943380 - 33° 56' 36.2"
Longitude (West): 118.412100 - 118° 24' 43.6"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 369501.2
UTM Y (Meters): 3756581.8
Elevation: 116 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33118-H4 VENICE, CA
Most Recent Revision: 1981

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:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
LIENS 2..... CERCLA Lien Information
CORRACTS..... Corrective Action Report
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

EXECUTIVE SUMMARY

RCRA-NonGen	RCRA - Non Generators
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
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
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
CA WDS	Waste Discharge System
SWRCY	Recycler Database
SLIC	Statewide SLIC Cases
AOCONCERN	San Gabriel Valley Areas of Concern
LIENS	Environmental Liens Listing
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
LOS ANGELES CO. HMS	HMS: Street Number List
CDL	Clandestine Drug Labs
RESPONSE	State Response Sites
HAULERS	Registered Waste Tire Haulers Listing
ENVIROSTOR	EnviroStor Database

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
----------------------	---------------------

EXECUTIVE SUMMARY

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

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.

FEDERAL RECORDS

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/03/2007 has revealed that there is 1 CERC-NFRAP site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LAXFUEL CORP</i>	<i>7265 WORLD WAY WEST</i>	<i>1/4 - 1/2 N</i>	<i>D19</i>	<i>23</i>

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2008 has revealed that there are 6 RCRA-SQG sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LAXFUEL CORP</i>	<i>7265 WORLD WAY WEST</i>	<i>1/4 - 1/2 N</i>	<i>D19</i>	<i>23</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>ALASKA AIRLINES LOS ANGELES</i>	<i>300 WORLD WY TERMINAL 3</i>	<i>1/8 - 1/4 ENE</i>	<i>B5</i>	<i>8</i>

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON USA INC LOS ANGELES IN AIRCRAFT SERVICE INTL INC	6900 WORLD WAY WEST	1/8 - 1/4 WSW A10		14
USCG AIR STATION LOS ANGELES	6920 WORLD WAY WEST	1/4 - 1/2 WSW C22		30
ARA SUNSET AIRPORT SYSTEMS INC	7159 WORLDWAY WEST	1/4 - 1/2 E F27		35
	6951 WORLD WAY WEST	1/4 - 1/2 WSW E31		42

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2007 has revealed that there is 1 ERNS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
7001 WORLD WAY WEST/GATE 121	7001 WORLD WAY WEST/GAT	1/8 - 1/4 W	A2	7

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 10/31/2007 has revealed that there is 1 HMIRS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	300 WORLD WAY TERMINAL	1/8 - 1/4 ENE	B6	11

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 01/04/2008 has revealed that there are 2 FINDS sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALASKA AIRLINES LOS ANGELES	300 WORLD WY TERMINAL 3	1/8 - 1/4 ENE B5		8
CHEVRON USA INC LOS ANGELES IN	6900 WORLD WAY WEST	1/8 - 1/4 WSW A10		14

STATE AND LOCAL RECORDS

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is

EXECUTIVE SUMMARY

1 WMUDS/SWAT site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LOS ANGELES INTERNATIONAL AIRP	ALONG SEPULVEDA	0 - 1/8 N	1	6

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 (Cal-Sites). This listing is no longer updated by the state agency.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 Cortese sites within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAX FUEL CORP	6900 WORLD	1/8 - 1/4 WSW	A9	14
FAA LAX CONTROL TOWER	1 WORLD	1/4 - 1/2 ENE	B13	17
TERMINAL 6 LAX	600 WORLD WY	1/4 - 1/2 E	21	27
ARCO DAY STORAGE FACILITY	6950 WORLD	1/4 - 1/2 WSW	E32	44
AMERICAN A/L	7000 WORLD	1/2 - 1 W	G38	54
AMERICAN AIRLINES INCORPORATED	7000 WORLD WAY WEST	1/2 - 1 W	G39	58
LAX TERMINAL 2	200 WORLD WY	1/2 - 1 ENE	40	59

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 01/07/2008 has revealed that there are 7 LUST sites within approximately 0.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAX FUEL Facility Status: Remedial action (cleanup) Underway	6900 WORLD WY W	1/8 - 1/4 WSW	A7	11
FAA LAX CONTROL TOWER Facility Status: Case Closed	1 WORLD WAY	1/4 - 1/2 ENE	B15	20
TERMINAL 6 LAX Facility Status: Leak being confirmed	600 WORLD WY	1/4 - 1/2 E	21	27
ARCO DAY STORAGE FACILITY (FOR Facility Status: Case Closed	6950 WORLD WAY W	1/4 - 1/2 WSW	E30	38
AMERICAN A/L Facility Status: Leak being confirmed	7000 WORLD WY W	1/2 - 1 W	G37	52
LAX TERMINAL 2 Facility Status: Pollution Characterization	200 WORLD WY	1/2 - 1 ENE	40	59
TERMINAL #1 LAX Facility Status: Preliminary site assessment workplan submitted	100 WORLD WY	1/2 - 1 E	41	61

EXECUTIVE SUMMARY

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 10 CA FID UST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>DELTA AIRLINES</i>	<i>500 WORLD WAY</i>	<i>1/8 - 1/4 E</i>	<i>B4</i>	<i>7</i>
<i>LAX FUEL CORP</i>	<i>6900 W WORLD WAY</i>	<i>1/8 - 1/4 WSW</i>	<i>A8</i>	<i>13</i>
<i>UNK</i>	<i>531 WORLD WAY</i>	<i>1/8 - 1/4 E</i>	<i>12</i>	<i>16</i>
<i>LAX AIR TRAFFIC CONTROL TOWER</i>	<i>1 WORLD WAY</i>	<i>1/4 - 1/2 ENE</i>	<i>B16</i>	<i>22</i>
<i>AMERICAN AIRLINES, INCORPORATE</i>	<i>7150 W WORLD WAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E24</i>	<i>33</i>
<i>TERMINAL ONE FUELS CORP</i>	<i>6940 W WORLD WAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E26</i>	<i>34</i>
<i>LAX FUEL CORP</i>	<i>6949 W WORLD WAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E29</i>	<i>37</i>
<i>TERMINAL ONE FUEL CORP</i>	<i>6950 W WORLD WAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E34</i>	<i>45</i>
<i>OGDEN ALLIED</i>	<i>6951 WORLD WAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E35</i>	<i>48</i>
<i>UNITED AIRLINES MAINTENANCE BA</i>	<i>700 WORLD WAY</i>	<i>1/4 - 1/2 E</i>	<i>F36</i>	<i>49</i>

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/07/2008 has revealed that there are 3 UST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FEDERAL AVIATION ADMINISTRATIO	245C WORLD WAY	1/8 - 1/4 ENE	B3	7
LOS ANGELES FIRE STATION 80	6911 WORLD WAY W	1/4 - 1/2 WSW	C17	23
DEPT. OF AIRPORTS	6947 WORLD WAY W	1/4 - 1/2 WSW	E28	37

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LAX AIR TRAFFIC CONTROL TOWER</i>	<i>1 WORLD WAY</i>	<i>1/4 - 1/2 ENE</i>	<i>B14</i>	<i>17</i>
<i>TOM BRADLEY INTERNATIONAL TERM</i>	<i>380 WORLD WAY</i>	<i>1/4 - 1/2 ENE</i>	<i>23</i>	<i>33</i>
<i>AMERICAN AIRLINES, INC.</i>	<i>7150 WORLD WAY W</i>	<i>1/4 - 1/2 WSW</i>	<i>E25</i>	<i>34</i>
<i>ARCO DAY STORAGE FACILITY (FOR</i>	<i>6950 WORLD WAY W</i>	<i>1/4 - 1/2 WSW</i>	<i>E30</i>	<i>38</i>
<i>SUNSET AIRPORT SYSTEMS INC.</i>	<i>6951 WORLD WAY W</i>	<i>1/4 - 1/2 WSW</i>	<i>E33</i>	<i>44</i>

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 11/01/2007 has revealed that there is 1 AST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LAXFUEL CORP</i>	<i>9900 LAXFUEL RD</i>	<i>1/4 - 1/2 N</i>	<i>D20</i>	<i>25</i>

EXECUTIVE SUMMARY

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 11 SWEEPS UST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DELTA AIRLINES	500 WORLD WAY	1/8 - 1/4 E	B4	7
LAX FUEL CORP	6900 W WORLD WAY	1/8 - 1/4 WSW	A8	13
UNK	531 WORLD WAY	1/8 - 1/4 E	12	16
LAX AIR TRAFFIC CONTROL TOWER	1 WORLD WAY	1/4 - 1/2 ENE	B16	22
LOS ANGELES FIRE STATION 80	6911 W WORLD WAY	1/4 - 1/2 WSW	C18	23
AMERICAN AIRLINES, INCORPORATE	7150 W WORLD WAY	1/4 - 1/2 WSW	E24	33
TERMINAL ONE FUELS CORP	6940 W WORLD WAY	1/4 - 1/2 WSW	E26	34
LAX FUEL CORP	6949 W WORLD WAY	1/4 - 1/2 WSW	E29	37
TERMINAL ONE FUEL CORP	6950 W WORLD WAY	1/4 - 1/2 WSW	E34	45
OGDEN ALLIED	6951 WORLD WAY	1/4 - 1/2 WSW	E35	48
UNITED AIRLINES MAINTENANCE BA	700 WORLD WAY	1/4 - 1/2 E	F36	49

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2006 has revealed that there is 1 HAZNET site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALASKA AIRLINES LOS ANGELES	300 WORLD WY TERMINAL 3	1/8 - 1/4 ENE	B5	8

AIRS: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the AIRS list, as provided by EDR, and dated 12/31/2005 has revealed that there are 2 AIRS sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DELTA AIRLINES	500 WORLD WAY	1/8 - 1/4 E	B4	7
LAXFUEL CORP UNIT NO.04	6900 WORLD WAY WEST	1/8 - 1/4 WSW	A11	16

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CHEVRON USA, LOS ANGELES AIRPO	CA FID UST, SWEEPS UST
VEH STOP @ SO ON HWY 5/N OF STATE ST	CDL
1X MCKESSON DRUG CO	HAZNET, LUST, CHMIRS
THOUSAND OAKS COUNTY 1962	SWF/LF
KOREAN AIRLINES FREIGHT	LUST
CHEVRON USA, LOS ANGELES AIRPO	HIST UST
CALTRANS DIST 7 CONSTR/EA07-4J2504	HAZNET
MURPHY INDUSTRIAL COATINGS INC	HAZNET
MURPHY IND COATING LOS ANGELES	HAZNET
LAX WORLD AIRPORTS	HAZNET
B&W LAX TRUCK REPAIR INC	HAZNET
CITY OF LOS ANGELES	HAZNET
LAX WORLD AIRPORTS	HAZNET
BARNARD TRANSPORTATION	HAZNET
YAMATO TRANSPORT	HAZNET
JALUX AMERICAS INC	HAZNET
UNOCAL SO CAL. DIV. PIPE LINE	HAZNET
LAX WORLD AIRPORTS	HAZNET
1X MOUNTAINS RECRTN & CONCV AUTHORITY	HAZNET
LAX RUNWAY PROJECT	HAZNET
KIEWIT PACIFIC CO	HAZNET
US AIRWAYS - MAINTENANCE DEPARTMENT	HAZNET
FAIR PRINCESS (#FP2975)	HAZNET
FEDERAL AVIATION	HAZNET
LONGS DRUG STORE # 430	HAZNET
LAX INTERNATIONAL AIRPORT	HMIRS
400 WORLD WAY LAX	HMIRS
US TRANSPORTATION SECURITY ADMIN LAX	FINDS
LAX FIRE DRILL PIT	LA Co. Site Mitigation
SAV-MOR OIL CO (FORMER)	SLIC
THE GROVE AT FARMERS MARKET	SLIC
LESLIE FAMILY TRUST	SLIC
SHELL OIL #204-2928-0538	LOS ANGELES CO. HMS
BLU AUTOBODY GROUP INC	LOS ANGELES CO. HMS
LAXFUEL CORP	AIRS
LAXFUEL CORP	AIRS
MENZIES AVIATION GROUP, INC.	AIRS
EUA/ONSITE, L P	AIRS

OVERVIEW MAP - 2204076.1s



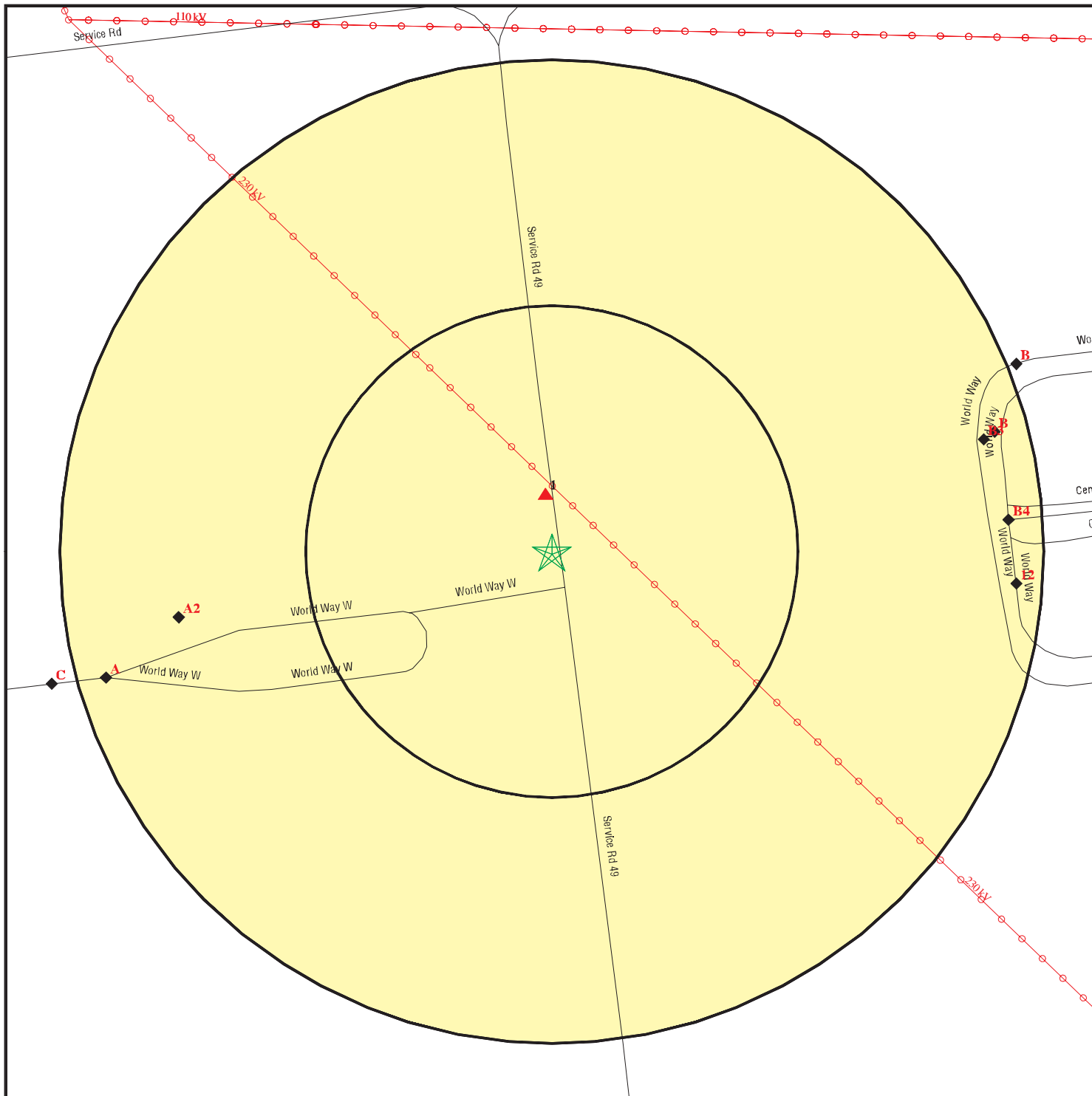
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- ⚡ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

SITE NAME: LAX
 ADDRESS: 6981 WORLD WAY WEST
 LOS ANGELES CA 90045
 LAT/LONG: 33.9434 / 118.4121

CLIENT: Camp, Dresser & McKee, Inc.
 CONTACT: SIBEL TEKCE
 INQUIRY #: 2204076.1s
 DATE: April 24, 2008 3:25 pm

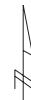
DETAIL MAP - 2204076.1s



- ★ 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
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Areas of Concern



SITE NAME: LAX
 ADDRESS: 6981 WORLD WAY WEST
 LOS ANGELES CA 90045
 LAT/LONG: 33.9434 / 118.4121

CLIENT: Camp, Dresser & McKee, Inc.
 CONTACT: SIBEL TEKCE
 INQUIRY #: 2204076.1s
 DATE: April 24, 2008 3:25 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.250	0	0	0	0	0	0
Proposed NPL		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
NPL LIENS		0.250	0	0	NR	NR	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP		0.750	0	0	1	0	NR	1
LIENS 2		0.250	0	0	NR	NR	NR	0
CORRACTS		1.250	0	0	0	0	0	0
RCRA-TSDF		0.750	0	0	0	0	NR	0
RCRA-LQG		0.500	0	0	0	NR	NR	0
RCRA-SQG		0.500	0	2	4	NR	NR	6
RCRA-CESQG		0.500	0	0	0	NR	NR	0
RCRA-NonGen		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.750	0	0	0	0	NR	0
US INST CONTROL		0.750	0	0	0	0	NR	0
ERNS		0.250	0	1	NR	NR	NR	1
HMIRS		0.250	0	1	NR	NR	NR	1
DOT OPS		0.250	0	0	NR	NR	NR	0
US CDL		0.250	0	0	NR	NR	NR	0
US BROWNFIELDS		0.750	0	0	0	0	NR	0
DOD		1.250	0	0	0	0	0	0
FUDS		1.250	0	0	0	0	0	0
LUCIS		0.750	0	0	0	0	NR	0
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	0	0	0
UMTRA		0.750	0	0	0	0	NR	0
ODI		0.750	0	0	0	0	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.500	0	0	0	NR	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
FTTS		0.250	0	0	NR	NR	NR	0
HIST FTTS		0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
ICIS		0.250	0	0	NR	NR	NR	0
PADS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
RADINFO		0.250	0	0	NR	NR	NR	0
FINDS		0.250	0	2	NR	NR	NR	2
RAATS		0.250	0	0	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
HIST Cal-Sites		1.250	0	0	0	0	0	0
CA BOND EXP. PLAN		1.250	0	0	0	0	0	0
SCH		0.500	0	0	0	NR	NR	0
Toxic Pits		1.250	0	0	0	0	0	0
SWF/LF		0.750	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		0.250	0	0	NR	NR	NR	0
WMUDS/SWAT		0.750	1	0	0	0	NR	1
Cortese		0.750	0	1	3	3	NR	7
SWRCY		0.750	0	0	0	0	NR	0
LUST		0.750	0	1	3	3	NR	7
CA FID UST		0.500	0	3	7	NR	NR	10
SLIC		0.750	0	0	0	0	NR	0
AOCONCERN		1.250	0	0	0	0	0	0
UST		0.500	0	1	2	NR	NR	3
HIST UST		0.500	0	0	5	NR	NR	5
AST		0.500	0	0	1	NR	NR	1
LIENS		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.500	0	3	8	NR	NR	11
CHMIRS		0.250	0	0	NR	NR	NR	0
Notify 65		1.250	0	0	0	0	0	0
LA Co. Site Mitigation		0.250	0	0	NR	NR	NR	0
DEED		0.750	0	0	0	0	NR	0
VCP		0.750	0	0	0	0	NR	0
DRYCLEANERS		0.500	0	0	0	NR	NR	0
WIP		0.500	0	0	0	NR	NR	0
LOS ANGELES CO. HMS		0.250	0	0	NR	NR	NR	0
CDL		0.250	0	0	NR	NR	NR	0
RESPONSE		1.250	0	0	0	0	0	0
HAZNET		0.250	0	1	NR	NR	NR	1
AIRS		0.250	0	2	NR	NR	NR	2
HAULERS	TP		NR	NR	NR	NR	NR	0
ENVIROSTOR		1.250	0	0	0	0	0	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.250	0	0	0	0	0	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.750	0	0	0	0	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.250	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1
North
< 1/8
0.030 mi.
157 ft.

LOS ANGELES INTERNATIONAL AIRP
ALONG SEPULVEDA
LOS ANGELES, CA

WMUDS/SWAT **S103441399**
N/A

Relative:
Equal

WMUDS/SWAT:

Actual:
116 ft.

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	LOS ANGELES INTERNATIONAL AIRP
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	LOS ANGELES INTERNATIONAL AIRPORT
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190137NUR
Solid Waste Information ID:	Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

A2	7001 WORLD WAY WEST/GATE 121	ERNS	87463835
West	7001 WORLD WAY WEST/GATE 121		N/A
1/8-1/4	LOS ANGELES, CA		
0.193 mi.			
1016 ft.	Site 1 of 6 in cluster A		

Relative: [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Lower

Actual:			
112 ft.			
B3	FEDERAL AVIATION ADMINISTRATION-CONTROL TOWER	UST	U003780424
ENE	245C WORLD WAY		N/A
1/8-1/4	LOS ANGELES, CA 90045		
0.227 mi.			
1197 ft.	Site 1 of 8 in cluster B		

Relative: UST:

Lower Local Agency: Los Angeles, Los Angeles County
Facility ID: 23959

Actual:
111 ft.

B4	DELTA AIRLINES	CA FID UST	S101586479
East	500 WORLD WAY	AIRS	N/A
1/8-1/4	LOS ANGELES, CA 90045	SWEEPS UST	
0.233 mi.			
1228 ft.	Site 2 of 8 in cluster B		

Relative: CA FID UST:

Lower Facility ID: 19051678
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 500 WORLD WAY TERMINAL
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900450000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year:	1995
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	80744
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA AIRLINES (Continued)

S101586479

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

SWEEPS UST:

Status: A
Comp Number: 6619
Number: 1
Board Of Equalization: Not reported
Ref Date: 02-23-93
Act Date: 02-23-93
Created Date: 02-29-88
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

B5
ENE
1/8-1/4
0.233 mi.
1231 ft.

ALASKA AIRLINES LOS ANGELES
300 WORLD WY TERMINAL 3
LOS ANGELES, CA 90045

RCRA-SQG 1000685960
FINDS CAD983629262
HAZNET

Site 3 of 8 in cluster B

Relative:
Lower

RCRA-SQG:

Date form received by agency: 04/21/1992
Facility name: ALASKA AIRLINES LOS ANGELES
Facility address: 300 WORLD WY TERMINAL 3
LOS ANGELES, CA 90045
EPA ID: CAD983629262
Mailing address: P O BOX 68900 SEAZA
SEATTLE, WA 981680900
Contact: WALLACE REID
Contact address: P O BOX 68900 SEAZA
SEATTLE, WA 981680900
Contact country: US
Contact telephone: (206) 433-3378
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
111 ft.

Owner/Operator Summary:

Owner/operator name: ALASKA AIRLINES INC
Owner/operator address: P O BOX 68900 SEAZA
SEATTLE, WA 98168
Owner/operator country: Not reported
Owner/operator telephone: (206) 433-3378
Legal status: Municipal

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALASKA AIRLINES LOS ANGELES (Continued)

1000685960

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD983629262
Contact: ALASKA AIRLINES INC
Telephone: 2064333276
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 68900
Mailing City,St,Zip: SEATTLE, WA 981680900
Gen County: Los Angeles
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Waste oil and mixed oil
Disposal Method: Disposal, Other
Tons: 2.0641
Facility County: Los Angeles

Gepaid: CAD983629262
Contact: ALASKA AIRLINES INC
Telephone: 2064333276
Facility Addr2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALASKA AIRLINES LOS ANGELES (Continued)

1000685960

Mailing Name: Not reported
Mailing Address: PO BOX 68900
Mailing City,St,Zip: SEATTLE, WA 981680900
Gen County: Los Angeles
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 1.5219
Facility County: Los Angeles

Gepaid: CAD983629262
Contact: ALASKA AIRLINES INC
Telephone: 2064333276
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 68900
Mailing City,St,Zip: SEATTLE, WA 981680900
Gen County: Los Angeles
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Recycler
Tons: 2.2934
Facility County: Los Angeles

Gepaid: CAD983629262
Contact: ALASKA AIRLINES INC
Telephone: 2064333276
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 68900
Mailing City,St,Zip: SEATTLE, WA 981680900
Gen County: Los Angeles
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Organic solids with halogens
Disposal Method: Recycler
Tons: 1.6250
Facility County: Los Angeles

Gepaid: CAD983629262
Contact: JANET BAAD/ENV'T'L ANALYST
Telephone: 2063929855
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 68900 SEAZE
Mailing City,St,Zip: SEATTLE, WA 981680900
Gen County: Los Angeles
TSD EPA ID: AZD009015389
TSD County: 99
Waste Category: Organic solids with halogens
Disposal Method: Treatment, Incineration
Tons: 0.25
Facility County: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALASKA AIRLINES LOS ANGELES (Continued)

1000685960

[Click this hyperlink](#) while viewing on your computer to access 36 additional CA_HAZNET: record(s) in the EDR Site Report.

B6
ENE
 1/8-1/4
 0.233 mi.
 1231 ft.

300 WORLD WAY TERMINAL #3
LOS ANGELES, CA
 Site 4 of 8 in cluster B

HMIRS 97090971
N/A

Relative:
Lower

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:
 111 ft.
A7
WSW
 1/8-1/4
 0.235 mi.
 1243 ft.

LAX FUEL
6900 WORLD WY W
WESTCHESTER, CA 90045
 Site 2 of 6 in cluster A

LUST S104891043
N/A

Relative:
Lower

LUST:
 Region: STATE
 Case Type: Other ground water affected
 Cross Street: PERSHING
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: OM
 How Stopped: Not reported
 Leak Cause: Overfill
 Leak Source: Tank
 Global Id: T0603701043
 Stop Date: 1987-05-13 00:00:00
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: 1988-07-14 00:00:00
 Remed Plan: Not reported
 Remed Action: 1998-02-13 00:00:00
 Monitoring: Not reported
 Close Date: Not reported
 Discover Date: 1987-05-13 00:00:00
 Enforcement Dt: Not reported
 Release Date: 1987-05-13 00:00:00
 Review Date: 1998-02-13 00:00:00
 Enter Date: 1987-08-13 00:00:00
 MTBE Date: 1965-01-01 00:00:00
 GW Qualifier: <
 Soil Qualifier: Not reported
 Max MTBE GW ppb: 1.0
 Max MTBE Soil ppb: Not reported
 County: 19
 Org Name: Not reported
 Reg Board: Los Angeles Region
 Status: Remedial action (cleanup) Underway
 Chemical: 1
 Contact Person: Not reported
 Responsible Party: AIRCRAFT SERVICE
 RP Address: PO BOX 92529, LOS ANGELES, CA 90009
 Interim: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAX FUEL (Continued)

S104891043

Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
MTBE Class: D
MTBE Conc: 1
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: SLC
Staff Initials: HRQ
Lead Agency: Regional Board
Local Agency: 19050
Hydr Basin #: SAN FERNANDO VALLEY
Beneficial: Not reported
Priority: LOP/HIGH - KNOWN HEALTH/SAFETY/ENVIRONMENTAL IMPACT
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: 900450170
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: SAME SITE REFER TO SLIC #303A-LAXFUEL-BFSF

LUST:

Region: 4
Staff: SLC
County: Los Angeles
Local Agency: 19050
Lead Agency: Regional Board
Case Type: Groundwater
Status: Remedial action (cleanup) Underway
Substance: 1
Cross Street: PERSHING
Global ID: T0603701043
Enforcement Type: Not reported
Date Leak Discovered: 5/13/1987
Date Leak Record Entered: 8/13/1987
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Overfill
Leak Source: Tank
Date Leak Stopped: 5/13/1987
Date Confirmation Began: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 10341.950216908443267151511886
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 5/13/1987
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/14/1988
Remediation Plan Submitted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAX FUEL (Continued)

S104891043

Remedial Action Underway: 2/13/1998
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Date Case Last Changed on Database: 2/13/1998
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 1
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: <
Soil Qualifier: Not reported
Organization: Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: AIRCRAFT SERVICE
RP Address: PO BOX 92529, LOS ANGELES, CA 90009
Program: SLIC
Lat/Long: 33.944248 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: LOP/HIGH - KNOWN HEALTH/SAFETY/ENVIRONMENTAL IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: Not reported
Assigned Name: Not reported
W Global ID: Not reported
Summary: SAME SITE REFER TO SLIC #303A-LAXFUEL-BFSF

A8
WSW
1/8-1/4
0.235 mi.
1243 ft.

LAX FUEL CORP
6900 W WORLD WAY
LOS ANGELES, CA 90045

CA FID UST S101582771
SWEEPS UST N/A

Site 3 of 6 in cluster A

Relative:
Lower

CA FID UST:
Facility ID: 19001340
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8187169311
Mail To: Not reported
Mailing Address: 6900 W WORLD WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900450000
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:
111 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 7367

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAX FUEL CORP (Continued)

S101582771

Number: Not reported
 Board Of Equalization: Not reported
 Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: Not reported
 Actv Date: Not reported
 Capacity: Not reported
 Tank Use: Not reported
 Stg: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

A9
WSW
1/8-1/4
0.235 mi.
1243 ft.

LAX FUEL CORP
6900 WORLD
LOS ANGELES, CA 90045

Cortese S101297379
N/A

Site 4 of 6 in cluster A

Relative:
Lower

Cortese:
 Region: CORTESE
 Facility Addr2: Not reported

Actual:
111 ft.

Region: CORTESE
 Facility Addr2: Not reported

A10
WSW
1/8-1/4
0.235 mi.
1243 ft.

CHEVRON USA INC LOS ANGELES INTL ARPT
6900 WORLD WAY WEST
LOS ANGELES, CA 90009

RCRA-SQG 1000434376
FINDS CAT000614800

Site 5 of 6 in cluster A

Relative:
Lower

RCRA-SQG:
 Date form received by agency: 09/01/1996
 Facility name: CHEVRON USA INC LOS ANGELES INTL ARPT
 Facility address: 6900 WORLD WAY WEST
 LOS ANGELES, CA 90009

Actual:
111 ft.

EPA ID: CAT000614800
 Mailing address: PO BOX 127 LOS ANGELES AIRPORT
 LOS ANGELES, CA 90245
 Contact: Not reported
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON USA INC LOS ANGELES INTL ARPT (Continued)

1000434376

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC/CITY OF LOS ANGELES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 08/15/1980
Facility name: CHEVRON USA INC LOS ANGELES INTL ARPT
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID Direction Distance Elevation Site Database(s) EDR ID Number EPA ID Number

A11 **LAXFUEL CORP UNIT NO.04** **AIRS** **S105938447**
WSW **6900 WORLD WAY WEST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90009**
0.235 mi.
1243 ft. **Site 6 of 6 in cluster A**

Relative: EMI:
Lower Year: 1987
Carbon Monoxide Emissions Tons/Yr: 19
Actual: Air Basin: SC
111 ft. Facility ID: 54940
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 13
Reactive Organic Gases Tons/Yr: 9
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

12 **UNK** **CA FID UST** **S101586991**
East **531 WORLD WAY** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90045**
0.237 mi.
1249 ft.

Relative: CA FID UST:
Lower Facility ID: 19054685
Regulated By: UTNKI
Actual: Regulated ID: Not reported
109 ft. Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: UNK
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900450000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 7935
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNK (Continued)

S101586991

Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

B13
ENE
1/4-1/2
0.255 mi.
1344 ft.

FAA LAX CONTROL TOWER
1 WORLD
LOS ANGELES, CA 90045

Cortese **S100851406**
N/A

Site 5 of 8 in cluster B

Relative:
Lower

Cortese:
Region: **CORTESE**
Facility Addr2: Not reported

Actual:
112 ft.

B14
ENE
1/4-1/2
0.255 mi.
1344 ft.

LAX AIR TRAFFIC CONTROL TOWER
1 WORLD WAY
LOS ANGELES, CA 90045

CHMIRS **U001561860**
HIST UST **N/A**
CA WDS

Site 6 of 8 in cluster B

Relative:
Lower

CHMIRS:
OES Incident Number: 98-4874
OES notification: 10/28/199812:38:16 PM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAX AIR TRAFFIC CONTROL TOWER (Continued)

U001561860

CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1998
Agency: LA City Fire
Incident Date: 10/27/1998 12:00:00 AM
Admin Agency: Los Angeles City Fire Department
Amount: Not reported
Contained: Yes
Site Type: Airport
E Date: Not reported
Substance: Diesel
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 350
Grams: 0
Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Description: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: The Central Plant at LAX airport received an alarm from an underground pipeline indicating a release. The fuel went to the secondary containment area but that was not secure allowing the fuel to leak to the soil. An airport contractor is on scene determining cleanup and extent of soil contamination.

HIST UST:

Region: STATE
Facility ID: 00000061356
Facility Type: Other
Other Type: AIR TRAFFIC CONTROL
Total Tanks: 0001
Contact Name: Not reported
Telephone: 2132152030
Owner Name: FAA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAX AIR TRAFFIC CONTROL TOWER (Continued)

U001561860

Owner Address: 5885 WEST IMPERIAL HWY.
Owner City,St,Zip: LOS ANGELES, CA 90045

Tank Num: 001
Container Num: 10
Year Installed: 1961
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

CA WDS:

Facility ID: 4 19I004995
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3106463853
Facility Contact: Maurice Z. Laham
Agency Name: LA CITY DEPT OF AIRPORTS
Agency Address: P.O. Box 92216
Agency City,St,Zip: Los Angeles 900092216
Agency Contact: Maurice Z. Laham
Agency Telephone: 3106463853
Agency Type: City
SIC Code: 4581
SIC Code 2: Not reported
Primary Waste: Stormwater Runoff
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B15 **FAA LAX CONTROL TOWER**
ENE **1 WORLD WAY**
1/4-1/2 **WESTCHESTER, CA 90045**
0.255 mi.
1344 ft. **Site 7 of 8 in cluster B**

LUST **S102429637**
N/A

Relative:
Lower

LUST:

Actual:
112 ft.

Region: STATE
 Case Type: Soil only
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: Not reported
 How Stopped: Not reported
 Leak Cause: Not reported
 Leak Source: Piping
 Global Id: T0603701050
 Stop Date: Not reported
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1996-06-26 00:00:00
 Discover Date: Not reported
 Enforcement Dt: Not reported
 Release Date: 1988-01-27 00:00:00
 Review Date: 1996-06-26 00:00:00
 Enter Date: 1996-05-30 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 19
 Org Name: Not reported
 Reg Board: Los Angeles Region
 Status: Case Closed
 Chemical: Diesel
 Contact Person: Not reported
 Responsible Party: FED AVIATION ADMINISTRATION
 RP Address: P.O. BOX 92007, LOS ANGELES CA 90009
 Interim: No
 Oversight Prgm: LUST
 MTBE Class: *
 MTBE Conc: 0
 MTBE Fuel: 0
 MTBE Tested: Not Required to be Tested.
 Staff: YR
 Staff Initials: HRQ
 Lead Agency: Regional Board
 Local Agency: 19050
 Hydr Basin #: SAN FERNANDO VALLEY
 Beneficial: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Work Suspended: Not reported

C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAA LAX CONTROL TOWER (Continued)

S102429637

Local Case #: Not reported
Case Number: 900450270
Qty Leaked: Not reported
Abate Method: Not reported
Operator: FAA
Water System Name: Not reported
Well Name: Not reported
Distance To LUST: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: SITE RETREIVED FROM EH'S OFFICE HEAP(S) DURING ORGANIZATION

LUST:

Region: 4
Staff: UNK
County: Los Angeles
Local Agency: 19050
Lead Agency: Regional Board
Case Type: Soil
Status: Case Closed
Substance: Diesel
Cross Street: Not reported
Global ID: T0603701050
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak Record Entered: 5/30/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Piping
Date Leak Stopped: Not reported
Date Confirmation Began: Not reported
Operator: FAA
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 10341.9502169084432671511886
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 1/27/1988
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 6/26/1996
Date Case Last Changed on Database: 6/26/1996
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: No
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Regional Board: 04
Owner Contact: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FAA LAX CONTROL TOWER (Continued)

S102429637

Responsible Party: FED AVIATION ADMINISTRATION
 RP Address: P.O. BOX 92007, LOS ANGELES CA 90009
 Program: LUST
 Lat/Long: 33.944248 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Local Case No: Not reported
 Substance Quantity: Not reported
 Assigned Name: Not reported
 W Global ID: Not reported
 Summary: SITE RETREIVED FROM EH'S OFFICE HEAP(S) DURING ORGANIZATION

B16
ENE
 1/4-1/2
 0.255 mi.
 1344 ft.

LAX AIR TRAFFIC CONTROL TOWER
1 WORLD WAY
LOS ANGELES, CA 90045
Site 8 of 8 in cluster B

CA FID UST S101617500
SWEEPS UST N/A

Relative:
Lower

CA FID UST:
 Facility ID: 19001490
 Regulated By: UTNKI
 Regulated ID: 00061356
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2132152030
 Mail To: Not reported
 Mailing Address: 5885 W IMPERIAL HWY
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900450000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

Actual:
112 ft.

SWEEPS UST:
 Status: Not reported
 Comp Number: 3431
 Number: Not reported
 Board Of Equalization: 44-012890
 Ref Date: Not reported
 Act Date: Not reported
 Created Date: Not reported
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: 19-050-003431-000001
 Actv Date: Not reported
 Capacity: 500
 Tank Use: M.V. FUEL
 Stg: PRODUCT
 Content: DIESEL
 Number Of Tanks: 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C17 **LOS ANGELES FIRE STATION 80**
WSW **6911 WORLD WAY W**
1/4-1/2 **LOS ANGELES, CA 90045**
0.263 mi.
1388 ft. **Site 1 of 3 in cluster C**

UST **U003781580**
N/A

Relative: **UST:**
Lower Local Agency: Los Angeles, Los Angeles County
 Facility ID: 25325

Actual:
111 ft.

C18 **LOS ANGELES FIRE STATION 80**
WSW **6911 W WORLD WAY**
1/4-1/2 **LOS ANGELES, CA 90045**
0.263 mi.
1388 ft. **Site 2 of 3 in cluster C**

SWEEPS UST **S106928828**
N/A

Relative: **SWEEPS UST:**
Lower Status: A
 Comp Number: 5385
Actual: Number: 4
111 ft. Board Of Equalization: Not reported
 Ref Date: 09-22-93
 Act Date: 04-04-94
 Created Date: 02-29-88
 Tank Status: Not reported
 Owner Tank Id: Not reported
 Swrcb Tank Id: Not reported
 Actv Date: Not reported
 Capacity: Not reported
 Tank Use: Not reported
 Stg: Not reported
 Content: Not reported
 Number Of Tanks: Not reported

D19 **LAXFUEL CORP**
North **7265 WORLD WAY WEST**
1/4-1/2 **LOS ANGELES, CA 90009**
0.283 mi.
1496 ft. **Site 1 of 2 in cluster D**

RCRA-SQG **1000231074**
CERC-NFRAP **CAD981619562**

Relative: **RCRA-SQG:**
Higher Date form received by agency: 03/26/1990
 Facility name: LAXFUEL CORP
Actual: Facility address: 7265 WORLD WAY WEST
118 ft. LOS ANGELES, CA 90009
 EPA ID: CAD981619562
 Mailing address: PO BOX 92529
 LOS ANGELES, CA 90009
 Contact: THOMAS P SPEELMANS
 Contact address: Not reported
 Not reported
 Contact country: Not reported
 Contact telephone: (213) 646-1334
 Contact email: Not reported
 EPA Region: 09
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAXFUEL CORP (Continued)

1000231074

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LAXFUEL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown
Used oil Specification marketer: Unknown
Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 12/29/1986
Facility name: LAXFUEL CORP
Classification: Small Quantity Generator

Violation Status: No violations found

CERC-NFRAP:

Site ID: 0904369
Federal Facility: Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAXFUEL CORP (Continued)

1000231074

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Nuria Muniz
Contact Tel: (415) 972-3811
Contact Title: Site Assessment Manager (SAM)

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/11/1992
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 12/09/1993
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/09/1993
Priority Level: NFRAP (No Further Remedial Action Planned)

D20
North
1/4-1/2
0.283 mi.
1496 ft.

LAXFUEL CORP
9900 LAXFUEL RD
LOS ANGELES, CA 90045

HAZNET **S102807262**
AST **N/A**
CA WDS

Site 2 of 2 in cluster D

Relative:
Higher

HAZNET:

Gepaid: CAD981619562
Contact: LAXFUEL CORP
Telephone: 3106461202
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92529
Mailing City,St,Zip: LOS ANGELES, CA 900092529
Gen County: Los Angeles
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 7.5000
Facility County: Los Angeles

Actual:
118 ft.

Gepaid: CAD981619562
Contact: LAXFUEL CORP
Telephone: 3106461202
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92529
Mailing City,St,Zip: LOS ANGELES, CA 900092529
Gen County: Los Angeles
TSD EPA ID: CAT000646117

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAXFUEL CORP (Continued)

S102807262

TSD County: Kings
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 12.6420
Facility County: Los Angeles

Gepaid: CAD981619562
Contact: LAXFUEL CORP
Telephone: 3106461202
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92529
Mailing City,St,Zip: LOS ANGELES, CA 900092529
Gen County: Los Angeles
TSD EPA ID: CAT000646117

TSD County: Kings
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Disposal, Land Fill
Tons: 64.8956
Facility County: Los Angeles

Gepaid: CAD981619562
Contact: LAXFUEL CORP
Telephone: 3106461202
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92529
Mailing City,St,Zip: LOS ANGELES, CA 900092529
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Treatment, Tank
Tons: 12.6420
Facility County: Los Angeles

Gepaid: CAD981619562
Contact: LAXFUEL CORP
Telephone: 3106461202
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 92529
Mailing City,St,Zip: LOS ANGELES, CA 900092529
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Not reported
Tons: .0000
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 69 additional CA_HAZNET: record(s) in the EDR Site Report.

AST:

Owner: LAXFUEL CORPORATION
Total Gallons: 26229000

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAXFUEL CORP (Continued)

S102807262

CA WDS:

Facility ID: Los Angeles River 196800059
 Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAG914001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 4
 Facility Telephone: 9095957126
 Facility Contact: Thomas Speelman (760)717-4642
 Agency Name: LAXFUEL CORP.
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Private
 SIC Code: 5172
 SIC Code 2: Not reported
 Primary Waste: Contaminated Ground Water
 Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: No reclamation requirements associated with this facility.
 POTW: The facility is not a POTW.
 Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
 Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

21
 East
 1/4-1/2
 0.287 mi.
 1517 ft.

TERMINAL 6 LAX
600 WORLD WY
WESTCHESTER, CA 90045

LUST S101297377
Cortese N/A

Relative:
 Lower

LUST:

Region: STATE
 Case Type: Soil only
 Cross Street: SEPULVEDA
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: OM
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Other Source
 Global Id: T0603701077

Actual:
 109 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL 6 LAX (Continued)

S101297377

Stop Date: 1987-06-03 00:00:00
Confirm Leak: 1987-06-03 00:00:00
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1987-06-03 00:00:00
Enforcement Dt: Not reported
Release Date: 1987-06-03 00:00:00
Review Date: 1987-06-03 00:00:00
Enter Date: 1987-08-13 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Leak being confirmed
Chemical: 1
Contact Person: Not reported
Responsible Party: SWINERTON & WALBERS CONTRACTOR
RP Address: 600 WORLD WY, LOS ANGELES, CA 90045
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: YR
Staff Initials: PK
Lead Agency: Local Agency
Local Agency: 19050
Hydr Basin #: SAN FERNANDO VALLEY
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: 900450616
Qty Leaked: Not reported
Abate Method: Not reported
Operator: OLD CASENO WAS 005039
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 4
Staff: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL 6 LAX (Continued)

S101297377

County: Los Angeles
Local Agency: 19050
Lead Agency: Local Agency
Case Type: Soil
Status: Leak being confirmed
Substance: 1
Cross Street: SEPULVEDA
Global ID: T0603701077
Enforcement Type: Not reported
Date Leak Discovered: 6/3/1987
Date Leak Record Entered: 8/13/1987
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Structure Failure
Leak Source: Other Source
Date Leak Stopped: 6/3/1987
Date Confirmation Began: 6/3/1987
Operator: OLD CASENO WAS 005039
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 10341.950216908443267151511886
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 6/3/1987
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Date Case Last Changed on Database: 6/3/1987
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: SWINERTON & WALBERS CONTRACTOR
RP Address: 600 WORLD WY, LOS ANGELES, CA 90045
Program: LUST
Lat/Long: 33.944248 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: Not reported
Assigned Name: Not reported
W Global ID: Not reported
Summary: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL 6 LAX (Continued)

S101297377

Cortese:
Region: CORTESE
Facility Addr2: Not reported

C22
WSW
1/4-1/2
0.290 mi.
1529 ft.

AIRCRAFT SERVICE INTL INC
6920 WORLD WAY WEST
LOS ANGELES, CA 90045

RCRA-SQG 1000180800
FINDS CAD981643208
HAZNET

Site 3 of 3 in cluster C

Relative:
Lower

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: AIRCRAFT SERVICE INTL INC
Facility address: 6920 WORLD WAY WEST
LOS ANGELES, CA 90045
EPA ID: CAD981643208
Mailing address: P O BOX 90156
LOS ANGELES, CA 90009
Contact: ENVIRONMENTAL MANAGER
Contact address: P O BOX 90156
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
111 ft.

Owner/Operator Summary:
Owner/operator name: AIRCRAFT SERV INTL INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRCRAFT SERVICE INTL INC (Continued)

1000180800

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 06/26/1990
Facility name: AIRCRAFT SERVICE INTL INC
Classification: Large Quantity Generator

Date form received by agency: 01/13/1987
Facility name: AIRCRAFT SERVICE INTL INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981643208
Contact: AIRCRAFT SERVICE INTERNATIONAL
Telephone: 3055991600
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 90156
Mailing City, St, Zip: LOS ANGELES, CA 900090156
Gen County: Los Angeles
TSD EPA ID: CAT000613935
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: .0708
Facility County: Los Angeles

Gepaid: CAD981643208
Contact: AIRCRAFT SERVICE INTERNATIONAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AIRCRAFT SERVICE INTL INC (Continued)

1000180800

Telephone: 3055991600
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 90156
Mailing City,St,Zip: LOS ANGELES, CA 900090156
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 2.0500
Facility County: Los Angeles

Gepaid: CAD981643208
Contact: AIRCRAFT SERVICE INTERNATIONAL
Telephone: 3055991600
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 90156
Mailing City,St,Zip: LOS ANGELES, CA 900090156
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 2.3750
Facility County: Los Angeles

Gepaid: CAD981643208
Contact: LES FISCHER / GSE MANAGER
Telephone: 3106462993
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 5701 W IMPERIAL HWY
Mailing City,St,Zip: LOS ANGELES, CA 900456301
Gen County: Los Angeles
TSD EPA ID: CAT000613935
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 0.39
Facility County: Not reported

Gepaid: CAD981643208
Contact: AIRCRAFT SERVICE INTERNATIONAL
Telephone: 3055991600
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 90156
Mailing City,St,Zip: LOS ANGELES, CA 900090156
Gen County: Los Angeles
TSD EPA ID: CAD980883177
TSD County: Kern
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 4.1700
Facility County: Los Angeles

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AIRCRAFT SERVICE INTL INC (Continued)

1000180800

[Click this hyperlink](#) while viewing on your computer to access
 41 additional CA_HAZNET: record(s) in the EDR Site Report.

23
ENE
 1/4-1/2
 0.300 mi.
 1582 ft.

TOM BRADLEY INTERNATIONAL TERM
380 WORLD WAY
LOS ANGELES, CA 90009

HIST UST **U001560445**
N/A

Relative:
Lower

HIST UST:
 Region: STATE
 Facility ID: 00000055678
 Facility Type: Other
 Other Type: AIRPORT
 Total Tanks: 0001
 Contact Name: DALE HOWE
 Telephone: 2134170724
 Owner Name: CITY OF LOS ANGELES, DEPARTMEN
 Owner Address: #1 WORLD WAY
 Owner City,St,Zip: LOS ANGELES, CA 90009

Actual:
111 ft.

Tank Num: 001
 Container Num: #1
 Year Installed: 1984
 Tank Capacity: 00000600
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Tank Construction: Not reported
 Leak Detection: Stock Inventor

E24
WSW
 1/4-1/2
 0.324 mi.
 1712 ft.

AMERICAN AIRLINES, INCORPORATE
7150 W WORLD WAY
LOS ANGELES, CA 90045

CA FID UST **S101629332**
SWEEPS UST **N/A**

Site 1 of 11 in cluster E

Relative:
Lower

CA FID UST:
 Facility ID: 19054222
 Regulated By: UTKI
 Regulated ID: 00033790
 Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2136465513
 Mail To: Not reported
 Mailing Address: P O BOX 619616
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900450000
 Contact: Not reported
 Contact Phone: Not reported
 DUNs Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Inactive

Actual:
110 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN AIRLINES, INCORPORATE (Continued)

S101629332

SWEEPS UST:

Status: Not reported
Comp Number: 1853
Number: Not reported
Board Of Equalization: 44-012018
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-001853-000001
Actv Date: Not reported
Capacity: 300
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: 1

E25
WSW
1/4-1/2
0.324 mi.
1712 ft.

AMERICAN AIRLINES, INC.
7150 WORLD WAY W
LOS ANGELES, CA 90045
Site 2 of 11 in cluster E

HIST UST **U001561815**
N/A

Relative:
Lower

HIST UST:

Region: STATE
Facility ID: 00000033790
Facility Type: Other
Other Type: AIR CARRIER
Total Tanks: 0001
Contact Name: Not reported
Telephone: 0000000000
Owner Name: AMERICAN AIRLINES, INC.
Owner Address: P.O. BOX 619616
Owner City,St,Zip: DFW AIRPORT, TX 75261

Actual:
110 ft.

Tank Num: 001
Container Num: 15
Year Installed: 1969
Tank Capacity: 00000300
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 1/4 inches
Leak Detection: Visual

E26
WSW
1/4-1/2
0.344 mi.
1816 ft.

TERMINAL ONE FUELS CORP
6940 W WORLD WAY
LOS ANGELES, CA 90045
Site 3 of 11 in cluster E

CA FID UST **S101587812**
SWEEPS UST **N/A**

Relative:
Lower

CA FID UST:

Facility ID: 19056025
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported

Actual:
110 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL ONE FUELS CORP (Continued)

S101587812

SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City, St, Zip: LOS ANGELES 900450000
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: A
Comp Number: 5370
Number: 9
Board Of Equalization: Not reported
Ref Date: 01-11-93
Act Date: 01-11-93
Created Date: 02-29-88
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

F27
East
1/4-1/2
0.352 mi.
1860 ft.

USCG AIR STATION LOS ANGELES
7159 WORLDWAY WEST
LOS ANGELES, CA 90045

RCRA-SQG 1000231466
FINDS CA5690390450

Site 1 of 2 in cluster F

Relative:
Lower

RCRA-SQG:

Date form received by agency: 04/21/1988
Facility name: USCG AIR STATION LOS ANGELES
Facility address: 7159 WORLDWAY WEST
LOS ANGELES, CA 90045
EPA ID: CA5690390450
Contact: ENVIRONMENTAL MANAGER
Contact address: 7159 WORLDWAY WEST
LOS ANGELES, CA 90045
Contact country: US
Contact telephone: (213) 215-2112
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
108 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USCG AIR STATION LOS ANGELES (Continued)

1000231466

Owner/Operator Summary:

Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 04/21/1988
Facility name: USCG AIR STATION LOS ANGELES
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USCG AIR STATION LOS ANGELES (Continued)

1000231466

corrective action activities required under RCRA.

E28 **DEPT. OF AIRPORTS**
WSW **6947 WORLD WAY W**
1/4-1/2 **LOS ANGELES, CA 90045**
0.360 mi.
1903 ft. **Site 4 of 11 in cluster E**

UST **U003780357**
N/A

Relative: **UST:**
Lower Local Agency: Los Angeles, Los Angeles County
 Facility ID: 23875

Actual:
110 ft.

E29 **LAX FUEL CORP**
WSW **6949 W WORLD WAY**
1/4-1/2 **LOS ANGELES, CA 90045**
0.366 mi.
1933 ft. **Site 5 of 11 in cluster E**

CA FID UST **S101587816**
SWEEPS UST **N/A**

Relative: **CA FID UST:**
Lower Facility ID: 19056029
 Regulated By: UTNKA
Actual: Regulated ID: Not reported
110 ft. Cortese Code: Not reported
 SIC Code: Not reported
 Facility Phone: 2130000000
 Mail To: Not reported
 Mailing Address: 6060 AVION DR
 Mailing Address 2: Not reported
 Mailing City,St,Zip: LOS ANGELES 900450000
 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: A
Comp Number: 5383
Number: 9
Board Of Equalization: Not reported
Ref Date: 01-11-93
Act Date: 01-11-93
Created Date: 02-29-88
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E30 ARCO DAY STORAGE FACILITY (FORMER)
WSW 6950 WORLD WAY W
1/4-1/2 LOS ANGELES, CA 90045
0.372 mi.
1962 ft. Site 6 of 11 in cluster E

LUST U001560433
HIST UST N/A

Relative:
Lower

LUST:

Actual:
110 ft.

Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Not reported
Leak Cause: UNK
Leak Source: Other Source
Global Id: T0603701080
Stop Date: 1983-10-15 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 1999-06-14 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2000-09-28 00:00:00
Discover Date: 1983-10-15 00:00:00
Enforcement Dt: Not reported
Release Date: 1999-06-14 00:00:00
Review Date: 2001-02-16 00:00:00
Enter Date: Not reported
MTBE Date: 1965-01-01 00:00:00
GW Qualifier: <
Soil Qualifier: Not reported
Max MTBE GW ppb: 10
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Case Closed
Chemical: Jet Fuel
Contact Person: Not reported
Responsible Party: ARCO PRODUCTS CO
RP Address: 4 CENTERPOINTE DR., LA PALMA CA 90623-0166
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: Not reported
MTBE Conc: 1
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: DMB
Staff Initials: HRQ
Lead Agency: Regional Board
Local Agency: 19050
Hydr Basin #: SAN FERNANDO VALLEY
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO DAY STORAGE FACILITY (FORMER) (Continued)

U001560433

Local Case #: Not reported
Case Number: 900450643
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To LUST: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: PRODUCT RECOVERED BY VACUUM TRUCK; 3/20/00 GW MON & ANALYTICAL DATA & REQUEST FOR CLOSURE; 6/19/00 GW MON & ANALYTICAL DATA & REQUEST FOR CLOSURE; 8/21/00 GW MON & ANALYTICAL DATA & REQUEST FOR CLOSURE

LUST:

Region: 4
Staff: TCS
County: Los Angeles
Local Agency: 19050
Lead Agency: Regional Board
Case Type: Soil
Status: Case Closed
Substance: Jet Fuel
Cross Street: Not reported
Global ID: T0603701080
Enforcement Type: Not reported
Date Leak Discovered: 10/15/1983
Date Leak Record Entered: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Other Source
Date Leak Stopped: 10/15/1983
Date Confirmation Began: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 14303.204536211447752787690514
Abatement Method Used at the Site: No Action Required
Source of Cleanup Funding: No Action Required
Date Leak First Reported: 6/14/1999
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 6/14/1999
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 9/28/2000
Date Case Last Changed on Database: 2/16/2001
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 10
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: <
Soil Qualifier: Not reported
Organization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO DAY STORAGE FACILITY (FORMER) (Continued)

U001560433

Regional Board: 04
Owner Contact: Not reported
Responsible Party: ARCO PRODUCTS CO
RP Address: 4 CENTERPOINTE DR., LA PALMA CA 90623-0166
Program: LUST
Lat/Long: 33.9425858 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: Not reported
Assigned Name: Not reported
W Global ID: Not reported
Summary: PRODUCT RECOVERED BY VACUUM TRUCK; 3/20/00 GW MON & ANALYTICAL DATA & REQUEST FOR CLOSURE; 6/19/00 GW MON & ANALYTICAL DATA & REQUEST FOR CLOSURE; 8/21/00 GW MON & ANALYTICAL DATA & REQUEST FOR CLOSURE

HIST UST:

Region: STATE
Facility ID: 00000046970
Facility Type: Other
Other Type: Not reported
Total Tanks: 0009
Contact Name: JOSEPH CSISZER
Telephone: 2133267561
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 461 S. BOYLSTON
Owner City,St,Zip: LOS ANGELES, CA 90017

Tank Num: 001
Container Num: 388
Year Installed: Not reported
Tank Capacity: 00040000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 385
Year Installed: Not reported
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 386
Year Installed: Not reported
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCO DAY STORAGE FACILITY (FORMER) (Continued)

U001560433

Tank Num: 004
Container Num: 387
Year Installed: Not reported
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 408
Year Installed: Not reported
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 706
Year Installed: Not reported
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 707
Year Installed: Not reported
Tank Capacity: 00000050
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: #4
Year Installed: Not reported
Tank Capacity: 00000574
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 009
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00000574
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E31
WSW
1/4-1/2
0.372 mi.
1962 ft.

ARA SUNSET AIRPORT SYSTEMS INC
6951 WORLD WAY WEST
LOS ANGELES, CA 90045

RCRA-SQG 1000132896
FINDS CAD981163033
HAZNET

Site 7 of 11 in cluster E

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: ARA SUNSET AIRPORT SYSTEMS INC

Facility address: 6951 WORLD WAY WEST

LOS ANGELES, CA 90045

EPA ID: CAD981163033

Mailing address: WORLD WAY WEST

LOS ANGELES, CA 90045

Contact: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:
110 ft.**

Owner/Operator Summary:

Owner/operator name: DEPARTMENT OF AIRPORTS

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown

Mixed waste (haz. and radioactive): Unknown

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: Unknown

Furnace exemption: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARA SUNSET AIRPORT SYSTEMS INC (Continued)

1000132896

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD981163033
Contact: R WONG-FINANCIAL CONTROLLER
Telephone: 3103385491
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 6951 WORLD WAY W
Mailing City,St,Zip: LOS ANGELES, CA 900455833
Gen County: Los Angeles
TSD EPA ID: CAD080013352
TSD County: Not reported
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Tons: 0.45
Facility County: Not reported

Gepaid: CAD981163033
Contact: R WONG-FINANCIAL CONTROLLER
Telephone: 3103385491
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 6951 WORLD WAY W
Mailing City,St,Zip: LOS ANGELES, CA 900455833
Gen County: Los Angeles
TSD EPA ID: CAD080013352
TSD County: Not reported
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Tons: 0.45
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E32 ARCO DAY STORAGE FACILITY
WSW 6950 WORLD
1/4-1/2 LOS ANGELES, CA 90009
0.372 mi.
1962 ft. Site 8 of 11 in cluster E

Cortese S103945740
N/A

Relative: Cortese:
Lower Region: CORTESE
Facility Addr2: Not reported

Actual:
110 ft.

E33 SUNSET AIRPORT SYSTEMS INC.
WSW 6951 WORLD WAY W
1/4-1/2 LOS ANGELES, CA 90045
0.372 mi.
1962 ft. Site 9 of 11 in cluster E

HIST UST U001561890
N/A

Relative: HIST UST:
Lower Region: STATE
Facility ID: 00000007602
Actual: Facility Type: Other
110 ft. Other Type: Not reported
Total Tanks: 0003
Contact Name: MCGRATH
Telephone: 2136463747
Owner Name: SUNSET AIRPORT SYSTEMS INC.
Owner Address: 6951 WORLD WAY
Owner City,St,Zip: LOS ANGELES, CA 90045

Tank Num: 001
Container Num: 1
Year Installed: 1983
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 3
Year Installed: 1983
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: 1983
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Visual, Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E34 **TERMINAL ONE FUEL CORP**
WSW **6950 W WORLD WAY**
1/4-1/2 **LOS ANGELES, CA 90009**
0.372 mi.
1962 ft. **Site 10 of 11 in cluster E**

CA FID UST **S101586627**
SWEEPS UST **N/A**

Relative:
Lower

CA FID UST:
Facility ID: 19054256
Regulated By: UTKNI
Regulated ID: 0046970
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136461439
Mail To: Not reported
Mailing Address: 1 WORLD WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900090000
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

Actual:
110 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000001
Actv Date: Not reported
Capacity: 40000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: 9

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000002
Actv Date: Not reported
Capacity: 50000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL ONE FUEL CORP (Continued)

S101586627

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000003
Actv Date: Not reported
Capacity: 50000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000004
Actv Date: Not reported
Capacity: 50000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000005
Actv Date: Not reported
Capacity: 50
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL ONE FUEL CORP (Continued)

S101586627

Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000006
Actv Date: Not reported
Capacity: 50000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000007
Actv Date: Not reported
Capacity: 50
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000008
Actv Date: Not reported
Capacity: 574
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2375
Number: Not reported
Board Of Equalization: 44-012331
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-002375-000009
Actv Date: Not reported
Capacity: 574

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL ONE FUEL CORP (Continued)

S101586627

Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

E35
WSW
1/4-1/2
0.372 mi.
1962 ft.

OGDEN ALLIED
6951 WORLD WAY
LOS ANGELES, CA 90045

CA FID UST **S101584942**
AIRS **N/A**
SWEEPS UST

Site 11 of 11 in cluster E

Relative:
Lower

CA FID UST:

Facility ID: 19017199
Regulated By: UTNKA
Regulated ID: 00007602
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 3106465700
Mail To: Not reported
Mailing Address: 6951 WORLD WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900450000
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:
110 ft.

EMI:

Year: 1990
Carbon Monoxide Emissions Tons/Yr: 19
Air Basin: SC
Facility ID: 39008
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

SWEEPS UST:

Status: Not reported
Comp Number: 818
Number: Not reported
Board Of Equalization: 44-011424
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OGDEN ALLIED (Continued)

S101584942

Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000818-000001
Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 818
Number: Not reported
Board Of Equalization: 44-011424
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000818-000002
Actv Date: Not reported
Capacity: 500
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 818
Number: Not reported
Board Of Equalization: 44-011424
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000818-000003
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

F36 **UNITED AIRLINES MAINTENANCE BA**
East **700 WORLD WAY**
1/4-1/2 **LOS ANGELES, CA 90009**
0.380 mi.
2006 ft. **Site 2 of 2 in cluster F**

CA FID UST **S101584134**
SWEEPS UST **N/A**

Relative: CA FID UST:
Lower Facility ID: 19008850
Regulated By: UTKI
Actual: Regulated ID: 00003698
108 ft. Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136462134
Mail To: Not reported
Mailing Address: 700 WORLD WAY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED AIRLINES MAINTENANCE BA (Continued)

S101584134

Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900090000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:

Status: Not reported
Comp Number: 247
Number: Not reported
Board Of Equalization: 44-010337
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000247-000001
Actv Date: Not reported
Capacity: 1
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: 6

Status: Not reported
Comp Number: 247
Number: Not reported
Board Of Equalization: 44-010337
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000247-000002
Actv Date: Not reported
Capacity: 1
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 247
Number: Not reported
Board Of Equalization: 44-010337
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000247-000003
Actv Date: Not reported
Capacity: 20000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNITED AIRLINES MAINTENANCE BA (Continued)

S101584134

Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 247
Number: Not reported
Board Of Equalization: 44-010337
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000247-000004
Actv Date: Not reported
Capacity: 20000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 247
Number: Not reported
Board Of Equalization: 44-010337
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000247-000005
Actv Date: Not reported
Capacity: 25000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 247
Number: Not reported
Board Of Equalization: 44-010337
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000247-000006
Actv Date: Not reported
Capacity: 25000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

G37 **AMERICAN A/L**
West **7000 WORLD WY W**
1/2-1 **WESTCHESTER, CA 90045**
0.508 mi.
2683 ft. **Site 1 of 3 in cluster G**

LUST **S106517245**
N/A

Relative:
Lower

LUST:

Actual:
107 ft.

Region: STATE
Case Type: Soil only
Cross Street: PERSHING
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Other Cause
Leak Source: Piping
Global Id: T0603701078
Stop Date: 1991-04-02 00:00:00
Confirm Leak: 1991-04-02 00:00:00
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1991-04-01 00:00:00
Enforcement Dt: Not reported
Release Date: 1991-04-02 00:00:00
Review Date: 1991-10-28 00:00:00
Enter Date: 1991-10-26 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Leak being confirmed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: LAX FUEL CORP.
RP Address: 6060 AVION DR, LOS ANGELES, CA 90045
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: YR
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 19050
Hydr Basin #: SAN FERNANDO VALLEY
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN A/L (Continued)

S106517245

Local Case #: Not reported
Case Number: 900450625
Qty Leaked: Not reported
Abate Method: Not reported
Operator: OLD CASENO WAS 102891-01
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 4
Staff: UNK
County: Los Angeles
Local Agency: 19050
Lead Agency: Local Agency
Case Type: Soil
Status: Leak being confirmed
Substance: Gasoline
Cross Street: PERSHING
Global ID: T0603701078
Enforcement Type: Not reported
Date Leak Discovered: 4/1/1991
Date Leak Record Entered: 10/26/1991
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Other Cause
Leak Source: Piping
Date Leak Stopped: 4/2/1991
Date Confirmation Began: 4/2/1991
Operator: OLD CASENO WAS 102891-01
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 10341.950216908443267151511886
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 4/2/1991
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Date Case Last Changed on Database: 10/28/1991
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Regional Board: 04
Owner Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN A/L (Continued)

S106517245

Responsible Party: LAX FUEL CORP.
RP Address: 6060 AVION DR, LOS ANGELES, CA 90045
Program: LUST
Lat/Long: 33.944248 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: Not reported
Assigned Name: Not reported
W Global ID: Not reported
Summary: Not reported

G38
West
1/2-1
0.508 mi.
2683 ft.

AMERICAN A/L
7000 WORLD
LOS ANGELES, CA 90045

HAZNET **U001561814**
Cortese **N/A**
HIST UST

Site 2 of 3 in cluster G

Relative:
Lower

HAZNET:
Gepaid: CAD076205053
Contact: AMR CORPORATION
Telephone: 8179671069
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7000 WORLD WAY W
Mailing City,St,Zip: LOS ANGELES, CA 900455823
Gen County: Los Angeles
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 161.8176
Facility County: Los Angeles

Actual:
107 ft.

Gepaid: CAD076205053
Contact: AMR CORPORATION
Telephone: 8179671069
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7000 WORLD WAY W
Mailing City,St,Zip: LOS ANGELES, CA 900455823
Gen County: Los Angeles
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 375.0460
Facility County: Los Angeles

Gepaid: CAD076205053
Contact: AMR CORPORATION
Telephone: 8179671069
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7000 WORLD WAY W

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN A/L (Continued)

U001561814

Mailing City,St,Zip: LOS ANGELES, CA 900455823
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Pharmaceutical waste
Disposal Method: Treatment, Incineration
Tons: .0250
Facility County: Los Angeles

Gepaid: CAD076205053
Contact: AMR CORPORATION
Telephone: 8179671069
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7000 WORLD WAY W
Mailing City,St,Zip: LOS ANGELES, CA 900455823
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 2.3000
Facility County: Los Angeles

Gepaid: CAD076205053
Contact: AMR CORPORATION
Telephone: 8179671069
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7000 WORLD WAY W
Mailing City,St,Zip: LOS ANGELES, CA 900455823
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Treatment, Tank
Tons: .0166
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access
147 additional CA_HAZNET: record(s) in the EDR Site Report.

Cortese:
Region: CORTESE
Facility Addr2: Not reported

HIST UST:
Region: STATE
Facility ID: 00000033789
Facility Type: Other
Other Type: AIR CARRIER
Total Tanks: 0014
Contact Name: Not reported
Telephone: 2136465513
Owner Name: AMERICAN AIRLINES, INC.
Owner Address: P.O. BOX 619616

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN A/L (Continued)

U001561814

Owner City,St,Zip: DFW AIRPORT, TX 75261

Tank Num: 001
Container Num: 1
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 002
Container Num: 13
Year Installed: 1955
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 15
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 unknown
Leak Detection: Not reported

Tank Num: 004
Container Num: 6
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 005
Container Num: 7
Year Installed: 1955
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/2 inches
Leak Detection: Visual

Tank Num: 006
Container Num: 8
Year Installed: 1955
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/2 inches
Leak Detection: Visual

Tank Num: 007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN A/L (Continued)

U001561814

Container Num: 9
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 008
Container Num: 10
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 009
Container Num: 11
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 010
Container Num: 12
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 3 inches
Leak Detection: None

Tank Num: 011
Container Num: 14
Year Installed: 1955
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 012
Container Num: 4
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 013
Container Num: 2
Year Installed: 1955
Tank Capacity: 00050000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN A/L (Continued)

U001561814

Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

Tank Num: 014
Container Num: 3
Year Installed: 1955
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 1/2 inches
Leak Detection: Not reported

G39
West
1/2-1
0.508 mi.
2683 ft.

AMERICAN AIRLINES INCORPORATED
7000 WORLD WAY WEST
LOS ANGELES, CA 90045

FINDS 1000360673
Cortese 110000782895
UST

Site 3 of 3 in cluster G

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
107 ft.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

California - Hazardous Waste Tracking System - Datamart

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Cortese:
Region: CORTESE
Facility Addr2: Not reported

UST:
Local Agency: Los Angeles, Los Angeles County
Facility ID: 23947

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

40
ENE
1/2-1
0.599 mi.
3163 ft.

LAX TERMINAL 2
200 WORLD WY
WESTCHESTER, CA 90045

LUST **S101297376**
Cortese **N/A**

Relative:
Lower

LUST:

Actual:
112 ft.

Region: STATE
Case Type: Other ground water affected
Cross Street: SEPULVEDA
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0603701076
Stop Date: Not reported
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 1986-07-07 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1986-07-07 00:00:00
Enforcement Dt: Not reported
Release Date: 1986-07-07 00:00:00
Review Date: 1986-07-07 00:00:00
Enter Date: 1987-11-16 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Pollution Characterization
Chemical: 1
Contact Person: Not reported
Responsible Party: DEPARTMENT OF AIRPORTS
RP Address: 1 WORLD WY, LOS ANGELES, CA 90045
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: YR
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 19050
Hydr Basin #: SAN FERNANDO VALLEY
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAX TERMINAL 2 (Continued)

S101297376

Local Case #: Not reported
Case Number: 900450607
Qty Leaked: Not reported
Abate Method: Not reported
Operator: OLD CASENO WAS 080007
Water System Name: Not reported
Well Name: Not reported
Distance To LUST: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: UNKNOWN SOURCE. MANT OLD FUELING PITS HAD OPEN BOTTOMS AND MAY HAVE LEAKED
SUBSTANTIAL AMOUNTS OF FUEL. CONTAMINATION WAS DISCOVERED DURING CONSTRUCTION
TRENCHING.

LUST:

Region: 4
Staff: UNK
County: Los Angeles
Local Agency: 19050
Lead Agency: Local Agency
Case Type: Groundwater
Status: Pollution Characterization
Substance: 1
Cross Street: SEPULVEDA
Global ID: T0603701076
Enforcement Type: Not reported
Date Leak Discovered: 7/7/1986
Date Leak Record Entered: 11/16/1987
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date Leak Stopped: Not reported
Date Confirmation Began: Not reported
Operator: OLD CASENO WAS 080007
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 10341.950216908443267151511886
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 7/7/1986
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/7/1986
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Date Case Last Changed on Database: 7/7/1986
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LAX TERMINAL 2 (Continued)

S101297376

Regional Board: 04
 Owner Contact: Not reported
 Responsible Party: DEPARTMENT OF AIRPORTS
 RP Address: 1 WORLD WY, LOS ANGELES, CA 90045
 Program: LUST
 Lat/Long: 33.944248 / -1
 Local Agency Staff: PEJ
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Local Case No: Not reported
 Substance Quantity: Not reported
 Assigned Name: Not reported
 W Global ID: Not reported
 Summary: UNKNOWN SOURCE. MANT OLD FUELING PITS HAD OPEN BOTTOMS AND MAY HAVE LEAKED SUBSTANTIAL AMOUNTS OF FUEL. CONTAMINATION WAS DISCOVERED DURING CONSTRUCTION TRENCHING.

Cortese:

Region: CORTESE
 Facility Addr2: Not reported

41
East
1/2-1
0.724 mi.
3820 ft.

TERMINAL #1 LAX
100 WORLD WY
WESTCHESTER, CA 90045

LUST S106517233
N/A

Relative:
Lower

LUST:

Actual:
107 ft.

Region: STATE
 Case Type: Soil only
 Cross Street: SEPULVEDA
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: OM
 How Stopped: Not reported
 Leak Cause: Other Cause
 Leak Source: Piping
 Global Id: T0603701075
 Stop Date: 1990-11-06 00:00:00
 Confirm Leak: Not reported
 Workplan: 1990-11-06 00:00:00
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Discover Date: 1990-11-06 00:00:00
 Enforcement Dt: Not reported
 Release Date: 1990-11-06 00:00:00
 Review Date: 1991-10-28 00:00:00
 Enter Date: 1991-10-26 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL #1 LAX (Continued)

S106517233

Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Preliminary site assessment workplan submitted
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: U.S. AIR
RP Address: SAME AS SITE
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: YR
Staff Initials: PK
Lead Agency: Local Agency
Local Agency: 19050
Hydr Basin #: SAN FERNANDO VALLEY
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: 900450598
Qty Leaked: Not reported
Abate Method: Not reported
Operator: OLD CASENO WAS 102891-02
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 4
Staff: UNK
County: Los Angeles
Local Agency: 19050
Lead Agency: Local Agency
Case Type: Soil
Status: Preliminary site assessment workplan submitted
Substance: Gasoline
Cross Street: SEPULVEDA
Global ID: T0603701075
Enforcement Type: Not reported
Date Leak Discovered: 11/6/1990
Date Leak Record Entered: 10/26/1991
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Other Cause
Leak Source: Piping
Date Leak Stopped: 11/6/1990
Date Confirmation Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERMINAL #1 LAX (Continued)

S106517233

Operator: OLD CASENO WAS 102891-02
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 10341.950216908443267151511886
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 11/6/1990
Preliminary Site Assessment Workplan Submitted: 11/6/1990
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Date Case Last Changed on Database: 10/28/1991
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: U.S. AIR
RP Address: SAME AS SITE
Program: LUST
Lat/Long: 33.944248 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Local Case No: Not reported
Substance Quantity: Not reported
Assigned Name: Not reported
W Global ID: Not reported
Summary: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S108743949	CALTRANS DIST 7 CONSTR/EA07-4J2504	RTE 1 PM 42.7-43.6 @CENTURY BLVD	90045	HAZNET
LOS ANGELES	S103679782	MURPHY INDUSTRIAL COATINGS INC	RTE 10 AT 10/60 SEPERATION		HAZNET
LOS ANGELES	S103679783	MURPHY IND COATING LOS ANGELES	RTE 134 / PASS ST OC LA RVR BR		HAZNET
LOS ANGELES	S108211956	LAX WORLD AIRPORTS	5210,13,23,28,33,45 W 94TH ST	90045	HAZNET
LOS ANGELES	S108198582	B&W LAX TRUCK REPAIR INC	5600 W ARBOR VITAE	90045	HAZNET
LOS ANGELES	S100932655	CITY OF LOS ANGELES	CAL STATE LOS ANGELES	90045	HAZNET
LOS ANGELES	S108211962	LAX WORLD AIRPORTS	9715,9306,9734,9737,9738 HINDRY AVE		HAZNET
LOS ANGELES	S102804827	BARNARD TRANSPORTATION	I-5 HWY / HWY 118 AT THE PAX		HAZNET
LOS ANGELES	S106895207	LAX FIRE DRILL PIT	0000 IMPERIAL HWY	90045	LA Co. Site Mitigation
LOS ANGELES	S107144052	YAMATO TRANSPORT	5353 W IMPERIAL HWY STE 850	90045	HAZNET
LOS ANGELES	S108209912	JALUX AMERICAS INC	6041 W IMPERIAL HWY STE D	90045	HAZNET
LOS ANGELES	S102801764	UNOCAL SO CAL. DIV. PIPE LINE	SO. IMPERIAL HWY, E. OF BLOOM-		HAZNET
LOS ANGELES	2007707152	LAX INTERNATIONAL AIRPORT	LAX INTERNATIONAL AIRPORT		HMIRS
LOS ANGELES	S102058052	SHELL OIL #204-2928-0538	1695 W PACIFIC COAST HWY		LOS ANGELES CO. HMS
LOS ANGELES	S108740844	BLU AUTOBODY GROUP INC	731 W PACIFIC COAST HWY		LOS ANGELES CO. HMS
LOS ANGELES	S107030361	THOUSAND OAKS COUNTY 1962	11100 SANTA MONICA BL. STE. 300		SWF/LF
LOS ANGELES	S108211958	LAX WORLD AIRPORTS	5334,5340,5351,5413,5440 96TH ST	90045	HAZNET
LOS ANGELES	S106483761	SAV-MOR OIL CO (FORMER)	4217 WEST THIRD ST		SLIC
LOS ANGELES	S106484026	THE GROVE AT FARMERS MARKET	6301 WEST THIRD ST		SLIC
LOS ANGELES	S106483732	LESIE FAMILY TRUST	3566/3580 WEST THIRD ST		SLIC
LOS ANGELES	S102798959	1X MOUNTAINS RECR TN & CONCV AUTHORITY	LA TUNA CANYON ROAD / HWY 210		HAZNET
LOS ANGELES	S107541008	400 WORLD WAY LAX	VEH STOP @ SO ON HWY 5/N OF STATE ST		CDL
LOS ANGELES	2007710139	LAX RUNWAY PROJECT	400 WORLD WAY LAX		HMIRS
LOS ANGELES	S108750153	US TRANSPORTATION SECURITY ADMIN LAX	7800 WORLD WAY WEST	90045	HAZNET
LOS ANGELES	1008152660	CHEVRON USA, LOS ANGELES AIRPO	1 WORLD WAY 6TH FLOOR	90045	FINDS
LOS ANGELES	S101617490	KIEWIT PACIFIC CO	6400 W WORLD WAY	90045	CA FID UST, SWEEPS UST
LOS ANGELES	S105083972	LAXFUEL CORP	7800 WORLD WAY WEST	90045	HAZNET
LOS ANGELES	S105938446	LAXFUEL CORP	6900,7253-7265 WORLD WAY WEST	90045	AIRS
LOS ANGELES	S106834386	US AIRWAYS - MAINTENANCE DEPARTMENT	690 7253-7265 WORLD WEST WAY	90045	AIRS
LOS ANGELES	S108223869	MENZIES AVIATION GROUP, INC.	7183 WORLD WAY - LAX	90045	HAZNET
LOS ANGELES	S108432473	CHEVRON USA, LOS ANGELES AIRPO	6951 WORLD WEST WAY	90045	AIRS
LOS ANGELES	U001561825	FAIR PRINCESS (#FP2975)	6400 WORLD WAY WEST	90045	HIST UST
LOS ANGELES	S102800061	FEDERAL AVIATION	WORLD CRUISE CTR		HAZNET
LOS ANGELES	S102801068	EUA/ONSITE, L P	WORLDWAY WEST 7000 BLK	90045	HAZNET
LOS ANGELES	S105937663	1X MCKESSON DRUG CO	7000 WORLDWAY WEST	90045	AIRS
LOS ANGELES COUNTY	S105642458	KOREAN AIRLINES FREIGHT	2		HAZNET, LUST, CHMIRS
WESTCHESTER	S103891106	LONGS DRUG STORE # 430	6101 IMPERIAL HWY E	90045	LUST
WESTCHESTER	S104581966		8900 SEPULVEDA WEST WY	90045	HAZNET

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/08/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/28/2008
	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: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/04/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 42	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008	Source: EPA
Date Data Arrived at EDR: 02/08/2008	Telephone: N/A
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 02/19/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2008	Source: EPA
Date Data Arrived at EDR: 02/05/2008	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 04/18/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/17/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/16/2008
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/07/2008	Telephone: 202-564-6023
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2007	Source: EPA
Date Data Arrived at EDR: 12/18/2007	Telephone: 800-424-9346
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 64	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
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: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
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: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/18/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2008	Telephone: 703-603-0695
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 03/31/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 06/30/2008
	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: 01/18/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2008	Telephone: 703-603-0695
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 03/31/2008
Number of Days to Update: 46	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 04/22/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/21/2008
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/31/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/17/2008	Telephone: 202-366-4555
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 04/16/2008
Number of Days to Update: 60	Next Scheduled EDR Contact: 07/14/2008
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/27/2008	Telephone: 202-366-4595
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/28/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/18/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/08/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/22/2008
Next Scheduled EDR Contact: 07/21/2008
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: 01/14/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
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: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
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: 12/28/2007
Date Data Arrived at EDR: 12/28/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 27

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

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: 02/07/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/26/2008
Next Scheduled EDR Contact: 06/23/2008
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/29/2008
Next Scheduled EDR Contact: 06/16/2008
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.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
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: 01/15/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
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: 01/15/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2007
Date Data Arrived at EDR: 08/13/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
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: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/07/2008
Next Scheduled EDR Contact: 05/05/2008
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: 01/15/2008
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
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: 01/29/2008
Date Data Arrived at EDR: 01/31/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/31/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/04/2008	Source: EPA
Date Data Arrived at EDR: 01/10/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/31/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	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: 03/03/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: No Update Planned

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: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 03/13/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/25/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/26/2008
	Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/26/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-323-3400
Date Made Active in Reports: 03/27/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 02/25/2008
	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: 02/11/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/10/2008	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 03/12/2008	Telephone: 916-341-6320
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 03/12/2008
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/09/2008
	Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 03/03/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

CA WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 03/17/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/16/2008
	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). This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 01/07/2008
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
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
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 02/05/2008
Next Scheduled EDR Contact: 05/05/2008
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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
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: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
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: 01/01/2008
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
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: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
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: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
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: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
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: 01/07/2008
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

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: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 01/07/2008	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/09/2008	Telephone: 866-480-1028
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/09/2008
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/07/2008
	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	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 02/19/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 05/19/2008
	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 04/07/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/07/2008
	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 02/11/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 04/21/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/21/2008
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
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: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
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: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
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: 03/03/2008
Next Scheduled EDR Contact: 05/19/2008
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: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/07/2008	Source: SWRCB
Date Data Arrived at EDR: 01/09/2008	Telephone: 916-480-1028
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 04/09/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/07/2008
	Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2008	Source: Department of Public Health
Date Data Arrived at EDR: 03/25/2008	Telephone: 707-463-4466
Date Made Active in Reports: 04/09/2008	Last EDR Contact: 03/24/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/05/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/06/2008	Telephone: 916-323-3400
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/05/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/05/2008
	Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/27/2007	Telephone: 916-341-5712
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 04/02/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 07/31/2007
Date Data Arrived at EDR: 07/31/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 9

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/25/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 22

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 10/15/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 34

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 02/08/2008
Next Scheduled EDR Contact: 05/05/2008
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: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 23

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 04/18/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/14/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 29

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/08/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Semi-Annually

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
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: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
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: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

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: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-6597
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/26/2008	Telephone: 415-972-3372
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/19/2008
	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: 02/21/2008	Source: EPA Region 10
Date Data Arrived at EDR: 02/26/2008	Telephone: 206-553-2857
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/05/2007	Source: EPA Region 4
Date Data Arrived at EDR: 10/02/2007	Telephone: 404-562-8677
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-7591
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 02/15/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 02/15/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/19/2008
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2007
Date Data Arrived at EDR: 10/02/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 9

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/21/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 34

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/21/2007
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/28/2008
Date Data Arrived at EDR: 01/29/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/28/2008
Date Data Arrived at EDR: 01/29/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 10

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/07/2008
Date Data Arrived at EDR: 03/11/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 16

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Semi-Annually

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: 01/16/2008
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 28

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/18/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 12/17/2007
Date Data Arrived at EDR: 12/18/2007
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 52

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/16/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/29/2007
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 23

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 35

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 02/14/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2008
Date Data Arrived at EDR: 03/20/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 25

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/30/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 22

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
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: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/26/2008	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 02/27/2008	Telephone: 310-618-2973
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/25/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/12/2008
	Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 02/04/2008	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 02/21/2008	Telephone: 415-499-6647
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 01/28/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 04/07/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 04/21/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 03/03/2008	Source: Health Care Agency
Date Data Arrived at EDR: 03/20/2008	Telephone: 714-834-3446
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 03/06/2008
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/03/2008	Source: Health Care Agency
Date Data Arrived at EDR: 03/25/2008	Telephone: 714-834-3446
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 03/06/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/03/2008	Source: Health Care Agency
Date Data Arrived at EDR: 03/18/2008	Telephone: 714-834-3446
Date Made Active in Reports: 04/09/2008	Last EDR Contact: 03/06/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 07/23/2007	Telephone: 530-889-7312
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 03/17/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 06/16/2008
	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: 08/06/2007	Source: Department of Public Health
Date Data Arrived at EDR: 08/07/2007	Telephone: 951-358-5055
Date Made Active in Reports: 09/26/2007	Last EDR Contact: 04/14/2008
Number of Days to Update: 50	Next Scheduled EDR Contact: 07/14/2008
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007	Source: Health Services Agency
Date Data Arrived at EDR: 08/07/2007	Telephone: 951-358-5055
Date Made Active in Reports: 09/24/2007	Last EDR Contact: 04/14/2008
Number of Days to Update: 48	Next Scheduled EDR Contact: 07/14/2008
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/11/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-875-8406
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/11/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 02/27/2008	Telephone: 916-875-8406
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 02/27/2008
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/28/2008
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/18/2008
Date Data Arrived at EDR: 03/19/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 26

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 12/03/2007
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: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 9

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
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: 11/28/2007
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 32

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008	Source: Department of Public Health
Date Data Arrived at EDR: 03/04/2008	Telephone: 415-252-3920
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 10	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/01/2008	Source: Environmental Health Department
Date Data Arrived at EDR: 02/26/2008	Telephone: N/A
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 04/14/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/14/2008
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/31/2008	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 02/01/2008	Telephone: 650-363-1921
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 04/07/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/07/2008
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 01/09/2008	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 01/11/2008	Telephone: 650-363-1921
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 04/07/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/07/2008
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 03/24/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 02/01/2008	Source: Department of Environmental Health
Date Data Arrived at EDR: 02/05/2008	Telephone: 408-918-3417
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 04/14/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/04/2008	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 03/04/2008	Telephone: 408-277-4659
Date Made Active in Reports: 03/14/2008	Last EDR Contact: 03/03/2008
Number of Days to Update: 10	Next Scheduled EDR Contact: 06/02/2008
	Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/24/2007	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 10/23/2007	Telephone: 707-784-6770
Date Made Active in Reports: 11/07/2007	Last EDR Contact: 03/24/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 01/07/2008	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 01/30/2008	Telephone: 707-784-6770
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 03/24/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/22/2008	Source: Department of Health Services
Date Data Arrived at EDR: 01/22/2008	Telephone: 707-565-6565
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 04/21/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 07/21/2008
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 03/31/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/27/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 20

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
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: 08/01/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/27/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 20

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
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: 12/26/2007
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 30

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/29/2008
Date Data Arrived at EDR: 02/20/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 23

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Annually

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: 12/31/2005
Date Data Arrived at EDR: 06/15/2007
Date Made Active in Reports: 08/20/2007
Number of Days to Update: 66

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/14/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 12/04/2007
Date Made Active in Reports: 12/31/2007
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
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: 02/15/2008
Date Data Arrived at EDR: 02/28/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/28/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/10/2008
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/01/2007
Date Data Arrived at EDR: 11/09/2007
Date Made Active in Reports: 01/15/2008
Number of Days to Update: 67

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LAX
6981 WORLD WAY WEST
LOS ANGELES, CA 90045

TARGET PROPERTY COORDINATES

Latitude (North):	33.94338 - 33° 56' 36.2"
Longitude (West):	118.4121 - 118° 24' 43.6"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	369501.2
UTM Y (Meters):	3756581.8
Elevation:	116 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33118-H4 VENICE, CA
Most Recent Revision:	1981

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 principle 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).

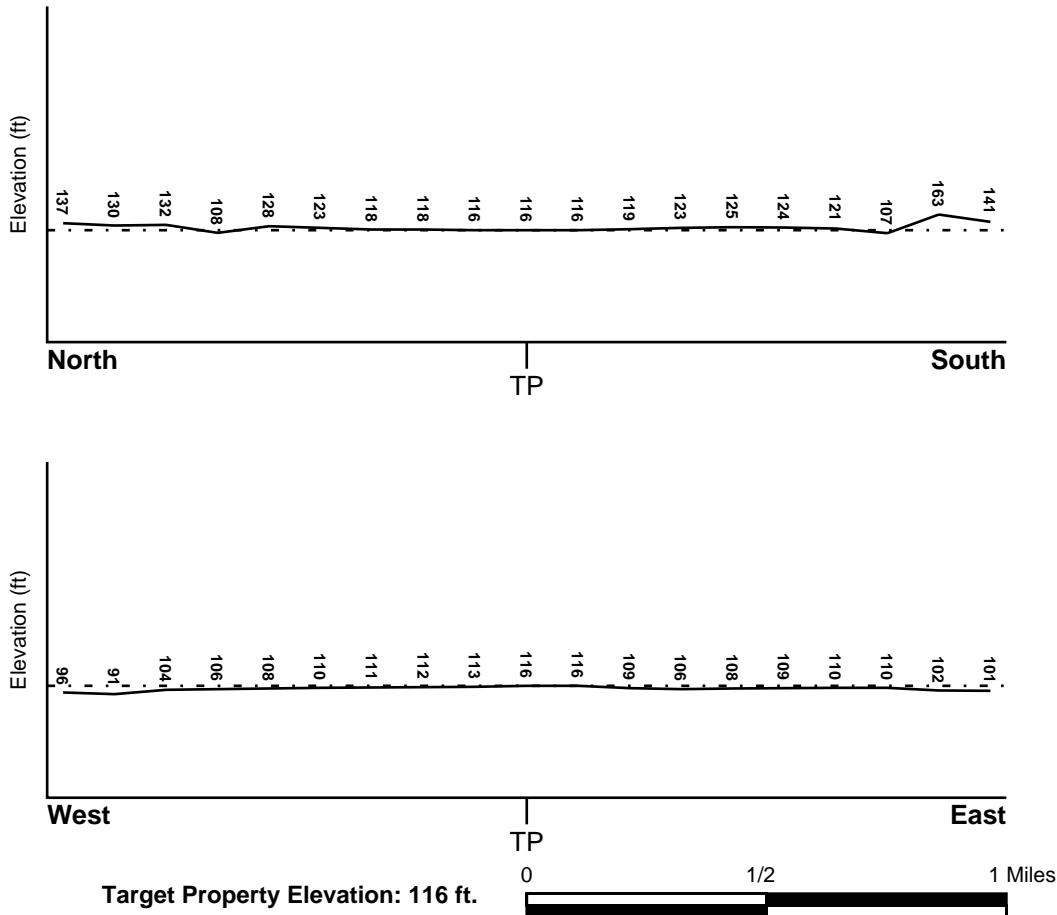
TOPOGRAPHIC INFORMATION

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 ENE

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> LOS ANGELES, CA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0601370089D
Additional Panels in search area:	0601180000A

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> VENICE	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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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
Status:	Not found

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>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: DELHI

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

clay

Shallow Soil Types: fine sandy loam
 gravelly - loam
 sandy clay loam
 sandy clay

Deeper Soil Types: coarse sand
 silty clay loam
 gravelly - fine sandy loam
 stratified
 gravelly - sandy loam
 weathered bedrock
 clay loam

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>
A1	USGS3156401	1/2 - 1 Mile NNW
A2	USGS3156402	1/2 - 1 Mile NNW
A3	USGS3156405	1/2 - 1 Mile NNW
A4	USGS3156404	1/2 - 1 Mile NNW
A5	USGS3156403	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>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

LOCATION
FROM TP

No Wells Found

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

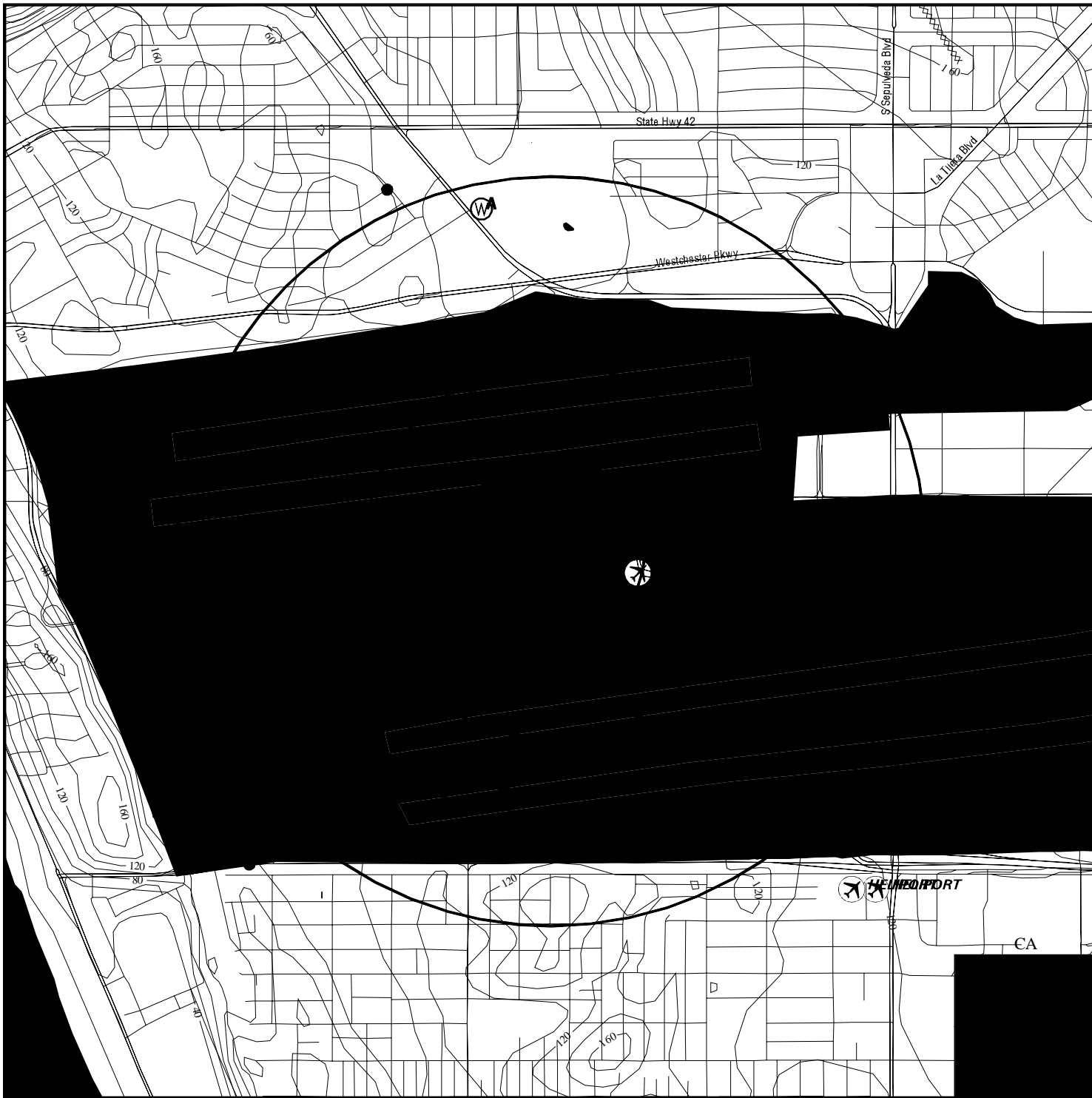
DISTANCE
FROM TP (Miles)

0 - 1/8 Mile North
0 - 1/8 Mile North
0 - 1/8 Mile North
0 - 1/8 Mile North
0 - 1/8 Mile North

DISTANCE
FROM TP (Miles)

0 - 1/8 Mile North
0 - 1/8 Mile North
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0 - 1/8 Mile North
0 - 1/8 Mile North

PHYSICAL SETTING SOURCE MAP - 2204076.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- 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: LAX
 ADDRESS: 6981 WORLD WAY WEST
 LOS ANGELES CA 90045
 LAT/LONG: 33.9434 / 118.4121

CLIENT: Camp, Dresser & McKee, Inc.
 CONTACT: SIBEL TEKCE
 INQUIRY #: 2204076.1s
 DATE: April 24, 2008 3:25 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
NNW
1/2 - 1 Mile
Higher

FED USGS USGS3156401

Agency cd:	USGS	Site no:	335723118245501
Site name:	002S015W35A001S		
Latitude:	335723.86		
Longitude:	1182455.20	Dec lat:	33.95662778
Dec lon:	-118.41533333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	Venice	Map scale:	24000
Altitude:	125		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20011011
Date inventoried:	20011204	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	860	Hole depth:	897.5
Source of depth data:	reporting agency (generally USGS)		
Project number:	470651220		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-05-22
Water quality data end date:	2002-05-22	Water quality data count:	1
Ground water data begin date:	2001-12-27	Ground water data end date:	2002-09-25
Ground water data count:	7		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-25	129.35		2002-07-15	129.67	
2002-07-11	129.64		2002-06-27	129.48	
2002-05-21	129.18		2002-03-26	128.29	
2001-12-27	128.76				

A2
NNW
1/2 - 1 Mile
Higher

FED USGS USGS3156402

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	335723118245502
Site name:	002S015W35A002S		
Latitude:	335723.86		
Longitude:	1182455.20	Dec lat:	33.95662778
Dec lon:	-118.41533333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	Venice	Map scale:	24000
Altitude:	125		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20011011
Date inventoried:	20011204	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	580	Hole depth:	897.5
Source of depth data:	reporting agency (generally USGS)		
Project number:	470651220		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-05-22
Water quality data end date:	2002-05-22	Water quality data count:	1
Ground water data begin date:	2001-12-27	Ground water data end date:	2002-09-25
Ground water data count:	7		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-25	118.05		2002-07-15	117.92	
2002-07-11	117.91		2002-06-27	117.92	
2002-05-21	118.01		2002-03-26	117.86	
2001-12-27	117.90				

**A3
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS3156405

Agency cd:	USGS	Site no:	335723118245505
Site name:	002S015W35A005S		
Latitude:	335723.86		
Longitude:	1182455.20	Dec lat:	33.95662778
Dec lon:	-118.41533333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	Venice	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 125
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 5
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Not Reported
 Topographic: Flat surface
 Site type: Ground-water other than Spring Date construction: 20011011
 Date inventoried: 20011204 Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 235 Hole depth: 897.5
 Source of depth data: Not Reported
 Project number: 470651220
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 2002-05-21
 Water quality data end date: 2002-05-21 Water quality data count: 1
 Ground water data begin date: 2001-12-27 Ground water data end date: 2002-09-25
 Ground water data count: 7

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-25	117.58		2002-07-15	117.17	
2002-07-11	117.11		2002-06-27	177.06	
2002-05-21	117.36		2002-03-26	117.03	
2001-12-27	117.00				

**A4
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS3156404

Agency cd: USGS Site no: 335723118245504
 Site name: 002S015W35A004S
 Latitude: 335723.86
 Longitude: 1182455.20 Dec lat: 33.95662778
 Dec lon: -118.41533333 Coord meth: G
 Coord acc: 5 Latlong datum: NAD83
 Dec latlong datum: NAD83 District: 06
 State: 06 County: 037
 Country: US Land net: Not Reported
 Location map: Venice Map scale: 24000
 Altitude: 125
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 5
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Not Reported
 Topographic: Flat surface
 Site type: Ground-water other than Spring Date construction: 20011011
 Date inventoried: 20011204 Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 330 Hole depth: 897.5
 Source of depth data: reporting agency (generally USGS)
 Project number: 470651220
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 2002-05-21
 Ground water data begin date: 2001-12-27
 Ground water data count: 7

Water quality data begin date: 2002-05-21
 Water quality data count: 1
 Ground water data end date: 2002-09-25

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-25	117.44		2002-07-15	117.31	
2002-07-11	117.52		2002-06-27	117.24	
2002-05-21	117.54		2002-03-26	117.20	
2001-12-27	117.16				

**A5
 NNW
 1/2 - 1 Mile
 Higher**

FED USGS USGS3156403

Agency cd:	USGS	Site no:	335723118245503
Site name:	002S015W35A003S		
Latitude:	335723.86		
Longitude:	1182455.20	Dec lat:	33.95662778
Dec lon:	-118.41533333	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	Venice	Map scale:	24000
Altitude:	125		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20011011
Date inventoried:	20011204	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	475	Hole depth:	897.5
Source of depth data:	reporting agency (generally USGS)		
Project number:	470651220		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	2002-05-20
Water quality data end date:	2002-05-20	Water quality data count:	1
Ground water data begin date:	2001-12-27	Ground water data end date:	2002-09-25
Ground water data count:	7		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-09-25	117.67		2002-07-15	117.54	
2002-07-11	117.52		2002-06-27	117.47	
2002-05-20	117.66		2002-03-26	117.46	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
2001-12-27	117.41	

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

North
0 - 1/8 Mile

OIL_GAS CAOG30000031658

Apinumber:	03705975	Operator:	Chevron U.S.A. Inc.
Lease:	L.A. Extension	Well no:	1
Field:	LOS ANGELES COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	hud		
Latitude:	33.957366		
Longitude:	-118.418806		
Td:	6035		
Sec:	35		
Twn:	2S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	P
District:	1	Mapinfo id:	350
Site id:	CAOG30000031658		

North
0 - 1/8 Mile

OIL_GAS CAOG30000030376

Apinumber:	03705792	Operator:	Rancho Sausal Petroleum Co.
Lease:	Matteson	Well no:	1
Field:	LOS ANGELES COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	hud		
Latitude:	33.941037		
Longitude:	-118.402197		
Td:	4860		
Sec:	1		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28973
Site id:	CAOG30000030376		

North
0 - 1/8 Mile

OIL_GAS CAOG30000030214

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	03707455	Operator:	Chevron U.S.A. Inc.
Lease:	Six Companies Fee	Well no:	3
Field:	HYPERION	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	hud		
Latitude:	33.940211		
Longitude:	-118.427658		
Td:	7274		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28977
Site id:	CAOG30000030214		

**North
0 - 1/8 Mile**

OIL_GAS CAOG30000029971

Apinumber:	03707454	Operator:	Chevron U.S.A. Inc.
Lease:	Six Companies Fee	Well no:	1
Field:	HYPERION	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	014
Source:	hud		
Latitude:	33.938787		
Longitude:	-118.425327		
Td:	0		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28975
Site id:	CAOG30000029971		

**North
0 - 1/8 Mile**

OIL_GAS CAOG30000029749

Apinumber:	03705995	Operator:	Chevron U.S.A. Inc.
Lease:	Six Companies	Well no:	2
Field:	LOS ANGELES COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	hud		
Latitude:	33.936876		
Longitude:	-118.421527		
Td:	7075		
Sec:	2		
Twn:	3S	Rge:	15W

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28976
Site id:	CAOG30000029749		

**North
0 - 1/8 Mile**

OIL_GAS CAOG30000029737

Apinumber:	03707456	Operator:	Chevron U.S.A. Inc.
Lease:	Six Companies Fee	Well no:	4
Field:	HYPERION	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	014
Source:	hud		
Latitude:	33.936785		
Longitude:	-118.427389		
Td:	0		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28978
Site id:	CAOG30000029737		

**North
0 - 1/8 Mile**

OIL_GAS CAOG30000029558

Apinumber:	03707457	Operator:	Chevron U.S.A. Inc.
Lease:	Six Companies Fee	Well no:	5
Field:	HYPERION	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	014
Source:	hud		
Latitude:	33.934951		
Longitude:	-118.426704		
Td:	0		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28979
Site id:	CAOG30000029558		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

North
0 - 1/8 Mile

OIL_GAS CAOG30000029504

Apinumber:	03705164	Operator:	ARCO Western Energy
Lease:	Pacific Southwest	Well no:	1
Field:	LOS ANGELES COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	hud		
Latitude:	33.93415		
Longitude:	-118.413384		
Td:	5244		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	28974
Site id:	CAOG30000029504		

North
0 - 1/8 Mile

OIL_GAS CAOG30000029361

Apinumber:	03707451	Operator:	ARCO Western Energy
Lease:	Pacific Southwest	Well no:	2
Field:	LOS ANGELES COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	hud		
Latitude:	33.931235		
Longitude:	-118.425211		
Td:	3938		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	30750
Site id:	CAOG30000029361		

North
0 - 1/8 Mile

OIL_GAS CAOG30000029362

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	Not Reported	Operator:	Not Reported
Lease:	Pacific Southwest	Well no:	2
Field:	LOS ANGELES COUNTY	Caoilgas m2 area:	Not Reported
Map:	W1-5	Status cod:	006
Source:	Not Reported		
Latitude:	33.931235		
Longitude:	-118.425211		
Td:	3938		
Sec:	2		
Twn:	3S	Rge:	15W
Bm:	SB		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	12/12/1968 00:00:00
Abanddate:	12/30/1899 00:00:00	Comments:	Not Reported
District:	1	Mapinfo id:	31200
Site id:	CAOG30000029362		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
90045	38	4	10.53

Federal EPA Radon Zone for LOS ANGELES County: 2

- 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 LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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 Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

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 IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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