

Appendix A

Air Quality, Greenhouse Gas
Emissions, and Energy Calculations

Total Construction Emissions

Maximum Daily Emissions

Year	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	Total PM10 (lbs/day)	Total PM2.5 (lbs/day)	SOx (lbs/day)
2025	19	146	118	16	8	0.4
2026	6	23	33	2	1	0.1
2027	8	24	33	2	1	0.1
Threshold of Significance	75	250	550	100	55	250
Threshold Exceeded?	No	No	No	No	No	No

Annual Emissions

	ROG (tons/year)	NOx (tons/year)	CO (tons/year)	Total PM10 (tons/year)	Total PM2.5 (tons/year)	SOx (tons/year)	CO2e (MT/year)
2025	0.34	2.65	2.36	0.32	0.13	0.01	662
2026	0.20	0.72	1.46	0.14	0.07	0.00	598
2027	0.30	0.37	0.60	0.06	0.04	0.00	198

Construction Emissions

Exhaust

On-Site Equipment Average Daily Emissions								
Phase	Subphase	ROG lb/day	NOX lb/day	SO2 lb/day	CO lb/day	PM10 lb/day	PM2.5 lb/day	CO2e lb/day
1A	Demolition	1.36	10.58	0.02	6.99	0.61	0.56	2,251
1A	Site Preparation	3.54	27.49	0.07	21.31	1.45	1.33	8,046
1A	Grading	2.01	17.76	0.04	15.67	0.75	0.69	4,291
1A	Building Construction	0.14	1.33	0.00	1.92	0.05	0.05	536
1A	Architectural Coating	0.18	1.63	0.00	1.92	0.04	0.04	273
1A	Paving	0.11	0.97	0.00	1.27	0.04	0.03	192
1B	Site Preparation	3.94	30.40	0.07	22.25	1.78	1.64	7,583
1B	Grading	2.52	21.70	0.03	16.53	1.12	0.27	997
1B	Building Construction	0.13	1.29	0.00	1.87	0.05	0.21	1,595
1B	Architectural Coating	0.05	1.01	0.00	1.09	0.01	0.41	205
Tunnel Demolition		1.50	11.33	0.01	6.32	0.76	0.04	555
Tunnel Site Preparation		1.72	13.86	0.03	11.20	0.80	0.11	400
Tunnel Grading		2.04	16.76	0.03	12.42	0.89	1.03	3,753
Tunnel Building Construction		0.19	1.57	0.00	2.01	0.07	0.00	0
Tunnel Paving		0.33	2.99	0.01	3.76	0.10	0.00	0
max PM10e onsite						1.784		

Off-Road Hauling

Phase	Subphase	ROG lb/day	NOx lb/day	SO2 lb/day	CO lb/day	PM10 lb/day	PM2.5 lb/day	CO2e lb/day
1A	Demolition	0.000	0.003	0.000	0.000	0.000	0.000	1.34
1A	Site Preparation	0.000	0.003	0.000	0.000	0.000	0.000	1.31
1A	Grading	0.000	0.012	0.000	0.001	0.000	0.000	5.48
1A	Building Construction	0.000	0.012	0.000	0.001	0.000	0.000	5.30
1A	Architectural Coating	0.000	0.012	0.000	0.001	0.000	0.000	5.19
1A	Paving	0.000	0.013	0.000	0.001	0.000	0.000	5.95
1B	Site Preparation	0.000	0.003	0.000	0.000	0.000	0.000	1.34
1B	Grading	0.000	0.013	0.000	0.001	0.000	0.000	5.68
1B	Building Construction	0.000	0.012	0.000	0.001	0.000	0.000	5.24
1B	Architectural Coating	0.000	0.012	0.000	0.001	0.000	0.000	5.13
Tunnel	Demolition	0.000	0.019	0.000	0.001	0.000	0.000	8.39
Tunnel	Site Preparation	0.000	0.003	0.000	0.000	0.000	0.000	1.15
Tunnel	Grading	0.000	0.010	0.000	0.001	0.000	0.000	4.44
Tunnel	Building Construction	0.000	0.008	0.000	0.001	0.000	0.000	3.47
Tunnel	Paving	0.000	0.009	0.000	0.001	0.000	0.000	3.94

On-Road Vehicles

Phase	Phase	ROG lb/day	NOx lb/day	SOx lb/day	CO lb/day	PM10 lb/day	PM2.5 lb/day	CO2e lb/day
1A	Demolition	0.05	0.48	0.00	0.46	0.01	0.00	373.00
1A	Site Preparation	0.11	0.45	0.00	0.97	0.00	0.00	395.00
1A	Grading	0.07	1.40	0.01	0.59	0.02	0.02	1172.00
1A	Building Construction	0.51	1.40	0.02	4.15	0.02	0.02	1627.00
1A	Architectural Coating	0.35	1.23	0.01	2.99	0.01	0.01	1201.00
1A	Paving	0.12	1.17	0.01	1.23	0.01	0.01	725.00
1B	Site Preparation	0.11	0.46	0.00	0.97	0.00	0.00	400.00
1B	Grading	0.07	1.45	0.01	0.59	0.02	0.02	1208.00
1B	Building Construction	0.35	1.24	0.01	2.99	0.01	0.01	1211.00
1B	Architectural Coating	0.32	1.19	0.01	2.76	0.01	0.01	1109.00
Tunnel	Demolition	0.12	1.47	0.01	1.34	0.01	0.01	753.00
Tunnel	Site Preparation	0.11	0.42	0.00	0.97	0.00	0.00	365.00
Tunnel	Grading	0.07	1.17	0.01	0.58	0.01	0.01	979.00
Tunnel	Building Construction	0.13	0.78	0.01	1.17	0.01	0.01	555.00
Tunnel	Paving	0.07	0.83	0.00	0.76	0.01	0.01	497.00

Fugitive

On-Site Equipment Traveling				Mitigated	
Phase	Phase	PM10 lb/day	PM2.5 lb/day	PM10 lb/day	PM2.5 lb/day
1A	Demolition	0	0	0.00	0.00
1A	Site Preparation	0	0	0.00	0.00
1A	Grading	0	0	0.00	0.00
1A	Building Construction	0	0	0.00	0.00
1A	Architectural Coating	0	0	0.00	0.00
1A	Paving	0	0	0.00	0.00
1B	Site Preparation	0	0	0.00	0.00
1B	Grading	0	0	0.00	0.00
1B	Building Construction	0	0	0.00	0.00
1B	Architectural Coating	0	0	0.00	0.00
Tunnel	Demolition	0	0	0.00	0.00
Tunnel	Site Preparation	0	0	0.00	0.00
Tunnel	Grading	0	0	0.00	0.00
Tunnel	Building Construction	0	0	0.00	0.00
Tunnel	Paving	0	0	0.00	0.00

Onsite Granite Procurement and Crushing				Mitigated	
Phase	Subphase	PM10 lb/day	PM2.5 lb/day	PM10 lb/day	PM2.5 lb/day
1A	Site Preparation	2.9	0.43914286	1.13	0.17
1B	Site Preparation	2	0.30285714	0.78	0.12
Tunnel	Site Preparation	0.33	0.04997143	0.13	0.02

Aggregate Storage Pile				Mitigated	
Phase	Subphase	PM10 lb/day	PM2.5 lb/day	PM10 lb/day	PM2.5 lb/day
1A	Site Preparation	-	-	0.00	0.00
1A	Grading	-	-	0.00	0.00
1A	Building Construction	-	-	0.00	0.00
1B	Site Preparation	-	-	0.00	0.00
1B	Grading	-	-	0.00	0.00
1B	Building Construction	-	-	0.00	0.00
Tunnel	Site Preparation	-	-	0.00	0.00
Tunnel	Grading	-	-	0.00	0.00
Tunnel	Building Construction	-	-	0.00	0.00

Exhaust

On-Site Equipment Maximum Daily Emissions							
Phase	Subphase	ROG lb/day	NOX lb/day	SO2 lb/day	CO lb/day	PM10 lb/day	PM2.5 lb/day
1A	Demolition	1.36	10.58	0.02	6.99	0.61	0.56
1A	Site Preparation	3.81	29.81	0.08	23.42	1.63	1.50
1A	Grading	2.01	17.76	0.04	15.67	0.75	0.69
1A	Building Construction	0.85	6.87	0.02	7.87	0.23	0.21
1A	Architectural Coating	0.64	6.17	0.01	7.20	0.14	0.13
1A	Paving	0.59	4.96	0.01	6.33	0.20	0.19
1B	Site Preparation	4.11	31.87	0.07	23.57	1.90	1.75
1B	Grading	2.52	21.70	0.03	16.53	1.12	1.03
1B	Building Construction	0.72	6.49	0.01	7.51	0.21	0.19
1B	Architectural Coating	0.08	1.45	0.00	1.55	0.01	0.01
Tunnel	Demolition	1.50	11.33	0.01	6.32	0.76	0.70
Tunnel	Site Preparation	1.72	13.86	0.03	11.20	0.80	0.74
Tunnel	Grading	2.04	16.76	0.03	12.42	0.89	0.81
Tunnel	Building Construction	0.56	4.53	0.01	5.37	0.18	0.16
Tunnel	Paving	0.38	3.63	0.01	4.84	0.14	0.13

Dust Mitigation

61% Reduction in fugitive dust emission from vehicle traveling on unpaved road by watering twice daily.

55% Reduction in fugitive dust emission from grading, bulldozing and truck loading by watering exposed area twice

On-Site Bulldozing and Grading				Mitigated			
Phase	Subphase	Emission	PM10 lb/day	PM2.5 lb/day	PM10 lb/day	PM2.5 lb/day	
1A	Grading		4.52	0.68	2.03	0.30	
1A	Grading		-	-	0.00	0.00	
1A	Grading		-	-	0.00	0.00	
1B	Grading		3.01	0.45	1.35	0.20	
1B	Grading		-	-	0.00	0.00	
1B	Grading		-	-	0.00	0.00	
Tunnel	Grading		2.63	0.40	1.19	0.18	

On-Road Fugitive Emissions				Mitigated			
Phase	Phase		PM10 lb/day	PM2.5 lb/day	PM10 lb/day	PM2.5 lb/day	
1A	Demolition		0.62	0.11	0.24	0.04	
1A	Site Preparation		0.42	0.11	0.16	0.04	
1A	Grading		2.28	0.42	0.89	0.17	
1A	Building Construction		1.40	0.33	0.54	0.13	
1A	Architectural Coating		0.97	0.22	0.38	0.09	
1A	Paving		0.64	0.11	0.25	0.04	
1B	Site Preparation		0.42	0.11	0.16	0.04	
1B	Grading		2.28	0.43	0.89	0.17	
1B	Building Construction		0.97	0.22	0.38	0.09	
1B	Architectural Coating		0.86	0.22	0.34	0.09	
Tunnel	Demolition		0.34	0.11	0.13	0.04	
Tunnel	Site Preparation		0.32	0.11	0.13	0.04	
Tunnel	Grading		1.86	0.32	0.73	0.12	
Tunnel	Building Construction		0.43	0.11	0.17	0.04	
Tunnel	Paving		0.53	0.11	0.21	0.04	

Note: Fugitive emission include emissions from both resuspension and break/tire wear.

Coating ROG Emissions		
Phase	Subphase	Emission ROG (lb/day)
1A	Architectural	2.87206507
1B	Architectural	2.0564383

Max Daily Emission by Phase, Unmitigated

								Unmitigated			
Phase	Phase	ROG lb/day	NOX lb/day	SO2 lb/day	CO lb/day	PM10 Ex lb/day	PM2.5 Ex lb/day	PM10 D lb/day	PM2.5 C lb/day	PM10 T lb/day	PM2.5 T lb/day
1A	Demolition	1.41	11.06	0.02	7.46	0.61	0.56	0.24	0.04	0.85	0.61
1A	Site Preparation	3.92	30.26	0.08	24.39	1.64	1.50	1.30	0.21	2.93	1.72
1A	Grading	2.08	19.17	0.05	16.27	0.76	0.70	2.92	0.47	3.69	1.17
1A	Building Construction	1.35	8.28	0.03	12.02	0.25	0.23	0.54	0.13	0.79	0.36
1A	Architectural Coating	3.87	7.41	0.02	10.19	0.15	0.14	0.38	0.09	0.53	0.23
1A	Paving	0.71	6.14	0.02	7.57	0.21	0.20	0.25	0.04	0.46	0.24
1B	Site Preparation	4.22	32.33	0.07	24.55	1.91	1.75	0.94	0.16	2.85	1.91
1B	Grading	2.59	23.16	0.05	17.12	1.14	1.05	2.24	0.37	3.38	1.42
1B	Building Construction	1.07	7.74	0.03	10.50	0.22	0.20	0.38	0.09	0.60	0.29
1B	Architectural Coating	2.46	2.64	0.01	4.31	0.02	0.02	0.34	0.09	0.36	0.11
Tunnel	Demolition	1.62	12.82	0.02	7.66	0.77	0.71	0.13	0.04	0.90	0.75
Tunnel	Site Preparation	1.83	14.28	0.04	12.17	0.81	0.74	0.25	0.06	1.06	0.80
Tunnel	Grading	2.11	17.94	0.04	13.01	0.90	0.83	1.91	0.30	2.81	1.13
Tunnel	Building Construction	0.69	5.32	0.02	6.54	0.18	0.17	0.17	0.04	0.35	0.21
Tunnel	Paving	0.45	4.47	0.01	5.60	0.15	0.14	0.21	0.04	0.36	0.18

Average Emission by Phase, Unmitigated

								Unmitigated			
Phase	Phase	ROG lb/day	NOX lb/day	SO2 lb/day	CO lb/day	PM10 Ex lb/day	PM2.5 Ex lb/day	PM10 D lb/day	PM2.5 C lb/day	PM10 T lb/day	CO2e lb/day
1A	Demolition	1.41	11.06	0.02	7.46	0.61	0.56	0.24	0.04	0.85	2625
1A	Site Preparation	3.65	27.94	0.08	22.28	1.45	1.33	1.30	0.21	2.75	8443
1A	Grading	2.08	19.17	0.05	16.27	0.76	0.70	2.92	0.47	3.69	5468
1A	Building Construction	0.65	2.74	0.02	6.07	0.07	0.06	0.54	0.13	0.61	2168
1A	Architectural Coating	3.40	2.87	0.01	4.91	0.05	0.05	0.38	0.09	0.43	1479
1A	Paving	0.23	2.15	0.01	2.50	0.04	0.04	0.25	0.04	0.29	923
1B	Site Preparation	4.05	30.86	0.07	23.22	1.79	1.65	0.94	0.16	2.73	7984
1B	Grading	2.59	23.16	0.05	17.12	1.14	1.08	2.24	0.37	3.38	2210
1B	Building Construction	0.48	2.54	0.01	4.86	0.06	0.22	0.38	0.09	0.44	2811
1B	Architectural Coating	2.43	2.21	0.01	3.85	0.02	0.42	0.34	0.09	0.36	1319
Tunnel	Demolition	1.62	12.82	0.02	7.66	0.77	0.05	0.13	0.04	0.90	1317
Tunnel	Site Preparation	1.83	14.28	0.04	12.17	0.81	0.11	0.25	0.06	1.06	767
Tunnel	Grading	2.11	17.94	0.04	13.01	0.90	1.04	1.91	0.30	2.81	4736
Tunnel	Building Construction	0.32	2.36	0.01	3.18	0.07	0.01	0.17	0.04	0.24	558
Tunnel	Paving	0.40	3.83	0.01	4.52	0.11	0.01	0.21	0.04	0.31	501

Construction Workdays allocated to Years						1/1/2026	1/1/2027
						12/31/2025	12/31/2026
Phase	Subphase	Start	End	Total Workdays	2025	2026	2027
1A	Demolition	6/2/2025	6/12/2025	9	9	0	0
1A	Site Preparation	6/2/2025	8/21/2025	59	59	0	0
1A	Grading	8/9/2025	9/29/2025	36	36	0	0
1A	Building Construction	9/2/2025	12/11/2026	334	87	247	0
1A	Architectural Coating	11/17/2026	4/22/2027	113	0	33	80
1A	Paving	1/2/2027	4/24/2027	80	0	0	80
1B	Site Preparation	8/22/2025	9/21/2025	21	21	0	0
1B	Grading	9/30/2025	11/2/2025	24	24	0	0
1B	Building Construction	10/23/2025	2/9/2027	339	50	261	28
1B	Architectural Coating	1/2/2027	6/24/2027	124	0	0	124
Tunnel	Demolition	6/2/2025	6/23/2025	16	16	0	0
Tunnel	Site Preparation	6/16/2025	7/31/2025	34	34	0	0
Tunnel	Grading	7/17/2025	8/14/2025	21	21	0	0
Tunnel	Building Construction	7/31/2025	10/29/2025	65	65	0	0
Tunnel	Paving	10/9/2025	10/30/2025	16	16	0	0

Annual Emission, Unmitigated

	ROG tons/year	NOX tons/year	SO2 tons/year	CO tons/year	PM10 T tons/year	PM2.5 T tons/year
2025	0.34	2.65	0.01	2.36	0.32	0.13
2026	0.20	0.72	0.00	1.46	0.14	0.07
2027	0.30	0.37	0.00	0.60	0.06	0.04

Annual GHG Emission (MT CO2e per Year)

Year	On-Site	Off-Road Haul Truck	On-Road Haul	Total
2025	481	1	180	662
2026	253	1	344	598
2027	49	1	148	198

1,457

Overlapping Phase Max Daily Emissions

ROG	NOX	SO2	CO	PM10 T	PM2.5 T

Year	maximum number of phases overlapping	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day
2025	1A_D, 1A_S, 1A_G, 1A_B, 1B_S, T_D, T_S, T_B	18.55	146.15	0.36	117.52	15.89	8.45
2026	1A_B, 1A_A, 1B_B	6.30	23.44	0.08	32.71	1.92	0.87
2027	1A_A, 1A_P, 1B_B, 1B_A	8.11	23.94	0.08	32.56	1.95	0.86
	Max Daily	18.55	146.15	0.36	117.52	15.89	8.45

Onsite Equipment and Activities (Provided)

Construction Phase & Area	Months	Weeks	Start Date	End Date	Equipment			Equipment and hours				Total Equipment Hours	Total Work Days per Phase	Daily																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					Equipment Type	#	Modeled OFFROAD Equip	HP	HP	Equip Days	Equip Hour/Dy			Load Factor	ROG lb/day	NOX lb/day	SOx lb/day	CO lb/day	PM10 lb/day	PM2.5 lb/day	CO2 lb/day	CH4 lb/day	N2O lb/day	CO2e lb/day																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Architectural Coating VOC Emissions

Phase	Subphase	Coating Target	Workdays	Square Footage	Coating	ROG content (g/L)	Fraction of Surface Area	Surface Area Painted (sqft)	EF (lb ROG/sqft)	Emission ROG (lb/day)
1A	Architectural Coating	Building 36A	113	70,000	Exterior	50	25%	140000	0.002318	0.718016
1A	Architectural Coating	Building 36A	113	70,000	Interior	50	75%	140000	0.002318	2.154049
1B	Architectural Coating	Building 36B	124	55,000	Exterior	50	25%	110000	0.002318	0.51411
1B	Architectural Coating	Building 36B	124	55,000	Interior	50	75%	110000	0.002318	1.542329

Note: CalEEMod formulas for calculating coating emissions are used. CalEEMod default ROG content is used (Appendix G-17).

Conversion

180 sqft/gal sqft coated per gallon
0.00220462 lb/g
3.78541 L/gal

Air District	Coating Type	Start Date	End Date	(grams per	Rule
SDAPCD	Nonresidential Exterior	12/31/2009	2/8/2021	250	n/a
SDAPCD	Nonresidential Exterior	2/9/2021	12/30/2021	100	Rule 67.0.1
SDAPCD	Nonresidential Exterior	12/31/2021	12/30/2050	50	Rule 67.0.1
SDAPCD	Nonresidential Interior	12/31/2009	2/8/2021	250	n/a
SDAPCD	Nonresidential Interior	2/9/2021	12/30/2050	50	Rule 67.0.1
SDAPCD	Residential Exterior	12/31/2009	2/8/2021	250	n/a
SDAPCD	Residential Exterior	2/9/2021	12/30/2021	100	Rule 67.0.1
SDAPCD	Residential Exterior	12/31/2021	12/30/2050	50	Rule 67.0.1
SDAPCD	Residential Interior	12/31/2009	2/8/2021	250	n/a
SDAPCD	Residential Interior	2/9/2021	12/30/2050	50	Rule 67.0.1
SDAPCD	Parking	12/31/2009	2/8/2021	250	n/a
SDAPCD	Parking	2/9/2021	12/30/2050	100	Rule 67.0.1

Off-Road Truck Exhaust Emissions

Vehicle Trips (provided)

Phase	Subphase	Workdays	Average Daily Worker Trips	Average Daily Vendor Trucks Trips	Total Haul Truck Trips
1A	Demolition	9	6	0	12
1A	Site Preparation	59	15	1	18
1A	Grading	36	8	0	197
1A	Building Construction	334	75	5	97
1A	Architectural Coating	113	50	5	20
1A	Paving	80	12	5	75
1B	Site Preparation	21	15	1	7
1B	Grading	24	8	0	136
1B	Building Construction	339	50	5	78
1B	Architectural Coating	124	45	5	15
Tunnel	Demolition	16	8	8	6
Tunnel	Site Preparation	34	15	1	5
Tunnel	Grading	21	8	0	93
Tunnel	Building Construction	65	15	3	30
Tunnel	Paving	16	6	3	15

Haul Truck Emission

Phase	Construction Phase	Total VMT	Total Work Days	Modeled Vehicle Type	Average Daily Emission								
					ROG	NOx	SOx	CO	PM10 Ex	PM2.5 Ex	PM10 D*	PM2.5 D*	CO2e*
					lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day
1A	Demolition	2	9	HHDT	2.9E-5	3.0E-3	1.3E-5	2.0E-4	7.0E-6	6.7E-6	6.5E-5	2.3E-5	1.336
1A	Site Preparation	4	59	HHDT	6.7E-6	6.9E-4	2.9E-6	4.5E-5	1.6E-6	1.5E-6	1.5E-5	5.2E-6	0.306
1A	Grading	39	36	HHDT	1.2E-4	1.2E-2	5.2E-5	8.1E-4	2.9E-5	2.8E-5	2.7E-4	9.4E-5	5.482
1A	Building Construction	19	334	HHDT	6.4E-6	6.6E-4	2.8E-6	4.3E-5	1.5E-6	1.5E-6	1.4E-5	5.0E-6	0.291
1A	Architectural Coatin	4	113	HHDT	3.9E-6	4.0E-4	1.7E-6	2.6E-5	9.3E-7	8.9E-7	8.6E-6	3.0E-6	0.177
1A	Paving	15	80	HHDT	2.1E-5	2.1E-3	8.9E-6	1.4E-4	4.9E-6	4.7E-6	4.6E-5	1.6E-5	0.939
1B	Site Preparation	1	21	HHDT	7.4E-6	7.5E-4	3.2E-6	4.9E-5	1.8E-6	1.7E-6	1.6E-5	5.7E-6	0.334
1B	Grading	27	24	HHDT	1.3E-4	1.3E-2	5.4E-5	8.4E-4	3.0E-5	2.9E-5	2.8E-4	9.7E-5	5.677
1B	Building Construction	16	339	HHDT	5.1E-6	5.2E-4	2.2E-6	3.4E-5	1.2E-6	1.2E-6	1.1E-5	3.9E-6	0.230
1B	Architectural Coatin	3	124	HHDT	2.7E-6	2.7E-4	1.1E-6	1.8E-5	6.4E-7	6.1E-7	5.9E-6	2.1E-6	0.121
Tunnel	Demolition	1	16	HHDT	8.3E-6	8.5E-4	3.6E-6	5.6E-5	2.0E-6	1.9E-6	1.8E-5	6.4E-6	0.376
Tunnel	Site Preparation	1	34	HHDT	3.2E-6	3.3E-4	1.4E-6	2.2E-5	7.7E-7	7.4E-7	7.2E-6	2.5E-6	0.147
Tunnel	Grading	19	21	HHDT	9.8E-5	1.0E-2	4.2E-5	6.6E-4	2.3E-5	2.2E-5	2.2E-4	7.6E-5	4.436
Tunnel	Building Construction	6	65	HHDT	1.0E-5	1.0E-3	4.4E-6	6.8E-5	2.4E-6	2.3E-6	2.3E-5	7.9E-6	0.462
Tunnel	Paving	3	16	HHDT	2.1E-5	2.1E-3	8.9E-6	1.4E-4	4.9E-6	4.7E-6	4.6E-5	1.6E-5	0.939

Vendor Truck Off-road Emission

Phase	Construction Phase & Area	Total VMT	Total Work Days	Modeled Vehicle Type	Average Daily Emission								
					ROG	NOx	SOx	CO	PM10 Ex	PM2.5 Ex	PM10 D*	PM2.5 D*	CO2e*
					lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day
1A	Demolition	0	9	HHDT	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	-
1A	Site Preparation	12	59	HHDT	2.2E-5	2.3E-3	9.5E-6	1.5E-4	5.3E-6	5.0E-6	4.9E-5	1.7E-5	1.002
1A	Grading	0	36	HHDT	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	-
1A	Building Construction	334	334	HHDT	1.1E-4	1.1E-2	4.7E-5	7.4E-4	2.6E-5	2.5E-5	2.4E-4	8.6E-5	5.009
1A	Architectural Coatin	113	113	HHDT	1.1E-4	1.1E-2	4.7E-5	7.4E-4	2.6E-5	2.5E-5	2.4E-4	8.6E-5	5.009
1A	Paving	80	80	HHDT	1.1E-4	1.1E-2	4.7E-5	7.4E-4	2.6E-5	2.5E-5	2.4E-4	8.6E-5	5.009
1B	Site Preparation	4	21	HHDT	2.2E-5	2.3E-3	9.5E-6	1.5E-4	5.3E-6	5.0E-6	4.9E-5	1.7E-5	1.002
1B	Grading	0	24	HHDT	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	-
1B	Building Construction	339	339	HHDT	1.1E-4	1.1E-2	4.7E-5	7.4E-4	2.6E-5	2.5E-5	2.4E-4	8.6E-5	5.009
1B	Architectural Coatin	124	124	HHDT	1.1E-4	1.1E-2	4.7E-5	7.4E-4	2.6E-5	2.5E-5	2.4E-4	8.6E-5	5.009
Tunnel	Demolition	26	16	HHDT	1.8E-4	1.8E-2	7.6E-5	1.2E-3	4.2E-5	4.0E-5	3.9E-4	1.4E-4	8.014
Tunnel	Site Preparation	7	34	HHDT	2.2E-5	2.3E-3	9.5E-6	1.5E-4	5.3E-6	5.0E-6	4.9E-5	1.7E-5	1.002
Tunnel	Grading	0	21	HHDT	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	-
Tunnel	Building Construction	39	65	HHDT	6.8E-5	6.8E-3	2.8E-5	4.4E-4	1.6E-5	1.5E-5	1.5E-4	5.1E-5	3.005
Tunnel	Paving	10	16	HHDT	6.8E-5	6.8E-3	2.8E-5	4.4E-4	1.6E-5	1.5E-5	1.5E-4	5.1E-5	3.005

Notes:

*Particulate Matter from vehicle break wear only.

** GWP used for quantifying COe Emissions are values from IPCC Sixth Assessment Report in Sheet GWP Assumpton, assuming two-years to estimate annual emission.

Assumed one-way trip lengths that occurs on unpaved road:

Worker	0	miles offroad miles
Vendor	0.1	miles double diagonal distance of project site
Hauling	0.1	miles double diagonal distance of project site

The calculation is based on the following Table

VMT-based emission rate (g/miles)

Vehicle Category	Fuel	ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	CO	SOx	CO2	CH4	N2O	CO2e	Units
HHDT	Diesel	0.050079756	5.1158078	0.01193496	0.011418663	0.11083391	0.0387919	0.33610243	0.02151352	2271.898	0.002326	0.357938527	2378.6	g/mile

Source:

EMFAC County-wide Emission Factors for Vehicle on paved road at low speeds are used to estimate off-road exhaust emissions for construction year 2025.

Emission rates are aggregated over all speeds <=25 mph.

On-Road Mobile Emissions

Vehicle trips and onroad emissions

Phase	Subphase	Workdays	Average	Average	Total Haul	ROG	NOx	SOx	CO	PM10_Ex	PM2.5_Ex	PM10_D*	PM2.5_D*	CO2e**
			Daily Worker Trips	Daily Vendor Trucks		Truck Trips	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day
1A	Demolition	9	6	0	12	0.05	0.48	0.00	0.46	0.01	0.00	0.02	0.01	373
1A	Site Preparation	59	15	1	18	0.11	0.45	0.00	0.97	0.00	0.00	0.02	0.01	395
1A	Grading	36	8	0	197	0.07	1.40	0.01	0.59	0.02	0.02	0.08	0.02	1172
1A	Building	334	75	5	97	0.51	1.40	0.02	4.15	0.02	0.02	0.10	0.03	1627
1A	Architectural	113	50	5	20	0.35	1.23	0.01	2.99	0.01	0.01	0.07	0.02	1201
1A	Paving	80	12	5	75	0.12	1.17	0.01	1.23	0.01	0.01	0.04	0.01	725
1B	Site Preparation	21	15	1	7	0.11	0.46	0.00	0.97	0.00	0.00	0.02	0.01	400
1B	Grading	24	8	0	136	0.07	1.45	0.01	0.59	0.02	0.02	0.08	0.03	1208
1B	Building Construction	339	50	5	78	0.35	1.24	0.01	2.99	0.01	0.01	0.07	0.02	1211
1B	Architectural Coating	124	45	5	15	0.32	1.19	0.01	2.76	0.01	0.01	0.06	0.02	1109
Tunnel	Demolition	16	8	8	6	0.12	1.47	0.01	1.34	0.01	0.01	0.04	0.01	753
Tunnel	Site Preparation	34	15	1	5	0.11	0.42	0.00	0.97	0.00	0.00	0.02	0.01	365
Tunnel	Grading	21	8	0	93	0.07	1.17	0.01	0.58	0.01	0.01	0.06	0.02	979
Tunnel	Building Construction	65	15	3	30	0.13	0.78	0.01	1.17	0.01	0.01	0.03	0.01	555
Tunnel	Paving	16	6	3	15	0.07	0.83	0.00	0.76	0.01	0.01	0.03	0.01	497

*Particulate Matter from vehicle break wear and tire wear only.

Trip assumption

Type	Fleet mix	One-way Trip Length (mile)	Source
Worker	LDA, LDT1, LDT2	11.97	CalEEMod default
Vendor	MHDT, HHDT	7.63	CalEEMod default
Hauling	HHDT	25	Provided

Phase	Subphase	Trip Type	Total Trips	Total VMT	Total Work Days	Number of Vehicles	ROG	NOx	SOx	CO	PM10_Ex	PM2.5_Ex	PM10_D*	PM2.5_D*	CO2e**
							lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day
1A	Demolition	Worker	108	1,293	9	6	0.04	0.04	0.00	0.28	0.00	0.00	0.01	0.00	97.33
1A	Site Preparation	Worker	1,770	21,187	59	15	0.09	0.09	0.00	0.70	0.00	0.00	0.02	0.00	243.33
1A	Grading	Worker	576	6,895	36	8	0.05	0.05	0.00	0.37	0.00	0.00	0.01	0.00	129.77
1A	Building	Worker	50,100	599,697	334	75	0.46	0.45	0.01	3.48	0.01	0.01	0.08	0.02	1216.63
1A	Architectural	Worker	11,300	135,261	113	50	0.31	0.30	0.01	2.32	0.01	0.01	0.05	0.02	811.09
1A	Coating	Worker	1,920	22,982	80	12	0.07	0.07	0.00	0.56	0.00	0.00	0.01	0.00	194.66
1A	Paving	Worker	630	7,541	21	15	0.09	0.09	0.00	0.70	0.00	0.00	0.02	0.00	243.33
1B	Site Preparation	Worker	384	4,596	24	8	0.05	0.05	0.00	0.37	0.00	0.00	0.01	0.00	129.77
1B	Grading	Worker	33,900	405,783	339	50	0.31	0.30	0.01	2.32	0.01	0.01	0.05	0.02	811.09
1B	Building	Worker	11,160	133,585	124	45	0.28	0.27	0.01	2.09	0.01	0.01	0.05	0.01	729.98
1B	Architectural	Worker	256	3,064	16	8	0.05	0.05	0.00	0.37	0.00	0.00	0.01	0.00	129.77
Tunnel	Demolition	Worker	1,020	12,209	34	15	0.09	0.09	0.00	0.70	0.00	0.00	0.02	0.00	243.33
Tunnel	Site Preparation	Worker	336	4,022	21	8	0.05	0.05	0.00	0.37	0.00	0.00	0.01	0.00	129.77
Tunnel	Grading	Worker	1,950	23,342	65	15	0.09	0.09	0.00	0.70	0.00	0.00	0.02	0.00	243.33
Tunnel	Building	Worker	192	2,298	16	6	0.04	0.04	0.00	0.28	0.00	0.00	0.01	0.00	97.33
1A	Construction	Vendor	0	0	9	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1A	Architectural	Vendor	118	900	59	1	0.01	0.15	0.00	0.10	0.00	0.00	0.00	0.00	65.58
1A	Coating	Vendor	0	0	36	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1A	Paving	Vendor	3,340	25,484	334	5	0.03	0.74	0.00	0.49	0.00	0.00	0.01	0.00	327.88
1A	Site Preparation	Vendor	1,130	8,622	113	5	0.03	0.74	0.00	0.49	0.00	0.00	0.01	0.00	327.88
1A	Grading	Vendor	800	6,104	80	5	0.03	0.74	0.00	0.49	0.00	0.00	0.01	0.00	327.88
1B	Building	Vendor	42	320	21	1	0.01	0.15	0.00	0.10	0.00	0.00	0.00	0.00	65.58
1B	Architectural	Vendor	0	0	24	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1B	Coating	Vendor	3,390	25,866	339	5	0.03	0.74	0.00	0.49	0.00	0.00	0.01	0.00	327.88
1B	Paving	Vendor	1,240	9,461	124	5	0.03	0.74	0.00	0.49	0.00	0.00	0.01	0.00	327.88
Tunnel	Demolition	Vendor	256	1,953	16	8	0.06	1.19	0.00	0.79	0.01	0.01	0.02	0.01	524.61
Tunnel	Site Preparation	Vendor	68	519	34	1	0.01	0.15	0.00	0.10	0.00	0.00	0.00	0.00	65.58

Tunnel	Grading Building	Vendor	0	0	21	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tunnel	Construction	Vendor	390	2,976	65	3	0.02	0.45	0.00	0.30	0.00	0.00	0.01	0.00	196.73
Tunnel	Paving	Vendor	96	732	16	3	0.02	0.45	0.00	0.30	0.00	0.00	0.01	0.00	196.73
1A	Demolition	Haul	24	600	9	1	0.01	0.44	0.00	0.19	0.00	0.00	0.02	0.01	276.11
1A	Site Preparation	Haul	36	900	59	1	0.01	0.21	0.00	0.18	0.00	0.00	0.00	0.00	85.66
1A	Grading Building	Haul	394	9,850	36	1	0.02	1.36	0.01	0.22	0.02	0.02	0.07	0.02	1042.70
1A	Construction Architectural	Haul	194	4,850	334	1	0.01	0.21	0.00	0.18	0.00	0.00	0.00	0.00	82.94
1A	Coating	Haul	40	1,000	113	1	0.01	0.18	0.00	0.18	0.00	0.00	0.00	0.00	61.93
1A	Paving	Haul	150	3,750	80	1	0.01	0.35	0.00	0.18	0.00	0.00	0.01	0.00	202.79
1B	Site Preparation	Haul	14	350	21	1	0.01	0.22	0.00	0.18	0.00	0.00	0.00	0.00	90.89
1B	Grading Building	Haul	272	6,800	24	1	0.02	1.40	0.01	0.22	0.02	0.02	0.07	0.02	1078.72
1B	Construction Architectural	Haul	156	3,900	339	1	0.01	0.20	0.00	0.18	0.00	0.00	0.00	0.00	71.76
1B	Coating	Haul	30	750	124	1	0.01	0.17	0.00	0.18	0.00	0.00	0.00	0.00	51.55
Tunnel	Demolition	Haul	12	300	16	1	0.01	0.23	0.00	0.18	0.00	0.00	0.00	0.00	98.61
Tunnel	Site Preparation	Haul	10	250	34	1	0.01	0.18	0.00	0.18	0.00	0.00	0.00	0.00	56.39
Tunnel	Grading Building	Haul	186	4,650	21	1	0.02	1.13	0.01	0.21	0.01	0.01	0.06	0.02	849.40
Tunnel	Construction	Haul	60	1,500	65	1	0.01	0.25	0.00	0.18	0.00	0.00	0.01	0.00	114.63
Tunnel	Paving	Haul	30	750	16	1	0.01	0.35	0.00	0.18	0.00	0.00	0.01	0.00	202.79

Notes:

*Particulate Matter from vehicle break wear and tire wear only.

**GWP used for quantifying COe Emissions are values from IPCC 4th Assessment Report in Sheet GWP Assumpton.

The calculation is based on the following tables.

Assume VMT occurs on 100% paved road.

Emission type -specific emission rates are based on EMFAC query of 2025 San Diego County data. See worksheet EMFAC2021.

On-Road Unit-Parameter Emission Calculation

Nothing to do below this row

On-road Vehicle Trips Emission Rates based on Input Unit Parameters

Trip Type	Total VMT	Total Trips	Total Work Days	Number of Vehicles	Vehicle Types	Emission Type	ROG	NOx	SOx	CO	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	CO2e	Units
Worker	1	1	1	1	LDA,LDT1, LDT2	VMT-based	3.3E-5	1.9E-4	6.5E-6	1.4E-3	6.0E-6	5.6E-6	4.4E-5	1.4E-5	0.6634	lbs/day
						Trip-based	1.1E-3	5.4E-4	1.2E-6	5.5E-3	3.6E-6	3.3E-6	0.0E+0	0.0E+0	0.1439	lbs/day
						Idle/Diurnal-based	3.1E-3	3.3E-4	5.0E-7	9.6E-4	4.5E-6	4.3E-6	0.0E+0	0.0E+0	0.0534	lbs/day
Vendor	1	1	1	1	MHDT, HHDT	VMT-based	4.7E-5	3.4E-3	2.9E-5	2.0E-4	4.3E-5	4.2E-5	1.9E-4	6.1E-5	3.1702	lbs/day
						Trip-based	0.0E+0	5.0E-3	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0000	lbs/day
						Idle/Diurnal-based	6.3E-3	8.7E-2	1.6E-4	9.6E-2	6.4E-5	6.1E-5	0.0E+0	0.0E+0	17.1991	lbs/day
Haul	1	1	1	1	HHDT	VMT-based	3.6E-5	4.2E-3	3.4E-5	1.7E-4	6.0E-5	5.8E-5	2.5E-4	8.0E-5	3.7044	lbs/day
						Trip-based	0.0E+0	6.4E-3	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0000	lbs/day
						Idle/Diurnal-based	1.2E-2	1.5E-1	2.6E-4	1.8E-1	7.6E-5	7.2E-5	0.0E+0	0.0E+0	29.1484	lbs/day

EMFAC Emission Types Used to Estimate Onroad Emission Rates

Pollutant_group	VMT-based (g/mile)	Trip-based (g/trip)	Idle/Diurnal-based (g/vehicle/day)
TOG, ROG	RUNEX	STREX, HOTSOAK,	IDLEX, DIURN
Gases	RUNEX	STREX	IDLEX
PM - Exhaust	RUNEX	STREX	IDLEX
PM - Dust	PMTW, PMBW		

Acronyms:

RUNEX	Running exhaust	g/mile
PMBW	PM brakewear	g/mile
PMTW	PM tirewear	g/mile
STREX	Start exhaust	g/trip
HOTSOAK	Hot Soak evaporative	g/trip
RUNLOSS	Running Loss evaporative	g/trip
IDLEX	Idle exhaust	g/trip
DIURN	Diurnal Loss evaporative	g/trip

VMT-based emission rate (g/miles)

		PM10_PMBW M2.5_PMBW										CO2_RUNEX CH4_RUNEX i2O_RUNEX		
Vehicle Categc	Fuel	ROG_RUNEX	Ox_RUNEX	Ox_RUNEX	CO_RUNEX	0_RUNEX	5_RUNEX	*M10_PMTW	M2.5_PMTW	CO2_RUNEX	CH4_RUNEX	i2O_RUNEX		
HHDT	Gasoline	1.176	7.363	0.022	47.261	0.003	0.002	0.117	0.039	2,272.961	0.203	0.213		
HHDT	Diesel	0.016	1.891	0.015	0.077	0.027	0.026	0.114	0.036	1,604.903	0.001	0.253		
HHDT	Electricity	-	-	-	-	-	-	0.076	0.023	-	-	-		
HHDT	Natural Gas	0.079	1.518	-	12.639	0.003	0.003	0.212	0.070	1,464.732	2.040	0.299		
LDA	Gasoline	0.010	0.037	0.003	0.704	0.002	0.001	0.015	0.005	291.052	0.003	0.004		
LDA	Diesel	0.035	0.163	0.002	0.527	0.015	0.015	0.016	0.005	252.993	0.002	0.040		
LDA	Electricity	-	-	-	-	-	-	0.012	0.004	-	-	-		
LDA	Plug-in Hybrid	0.002	0.003	0.001	0.238	0.001	0.001	0.012	0.003	146.415	0.001	0.001		
LHDT1	Gasoline	0.040	0.168	0.009	1.122	0.002	0.002	0.086	0.029	861.371	0.008	0.010		
LHDT1	Diesel	0.191	1.785	0.006	0.541	0.042	0.040	0.090	0.030	625.736	0.009	0.099		
LHDT1	Electricity	-	-	-	-	-	-	0.047	0.016	-	-	-		

LHDT2	Gasoline	0.026	0.146	0.010	0.870	0.001	0.001	0.099	0.034	974.491	0.006	0.009
LHDT2	Diesel	0.168	1.296	0.007	0.438	0.036	0.035	0.103	0.035	750.505	0.008	0.118
LHDT2	Electricity	-	-	-	-	-	-	0.054	0.018	-	-	-
MHDT	Gasoline	0.067	0.411	0.017	1.370	0.001	0.001	0.057	0.019	1,767.799	0.014	0.021
MHDT	Diesel	0.026	1.160	0.011	0.103	0.012	0.012	0.057	0.019	1,141.998	0.001	0.180
MHDT	Electricity	-	-	-	-	-	-	0.035	0.011	-	-	-
MHDT	Natural Gas	0.010	0.099	-	2.952	0.001	0.001	0.057	0.019	973.684	0.712	0.198

Trip-based emission rate (g/trip)

		ROG_HOTSOK			CO2_STREX			CH4_STREX			N2O_STREX		
Vehicle	Catego Fuel	ROG_STREX	IOx_STREX	NOx_STREX	SOx_STREX	CO_STREX	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	CO2	CH4	N2O
HHDT	Gasoline	0.110	0.271	0.001	5.734	0.001	0.001	-	-	-	56.587	0.000	0.006
HHDT	Diesel	0	2.921	-	-	-	-	-	-	-	-	-	-
HHDT	Electricity	0	-	-	-	-	-	-	-	-	-	-	-
HHDT	Natural Gas	0	-	-	-	-	-	-	-	-	-	-	-
LDA	Gasoline	0.6084864	0.239	0.001	2.902	0.002	0.002	-	-	-	68.166	0.065	0.032
LDA	Diesel	0	-	-	-	-	-	-	-	-	-	-	-
LDA	Electricity	0	-	-	-	-	-	-	-	-	-	-	-
LDA	Plug-in Hybrid	0.2449205	0.113	0.001	1.271	0.002	0.002	-	-	-	63.759	0.041	0.020
LHDT1	Gasoline	0.4772147	0.616	0.000	3.083	0.000	0.000	-	-	-	25.586	0.032	0.051
LHDT1	Diesel	0	-	-	-	-	-	-	-	-	-	-	-
LHDT1	Electricity	0	-	-	-	-	-	-	-	-	-	-	-
LHDT2	Gasoline	0.4308449	0.617	0.000	3.001	0.000	0.000	-	-	-	25.297	0.031	0.050
LHDT2	Diesel	0	-	-	-	-	-	-	-	-	-	-	-
LHDT2	Electricity	0	-	-	-	-	-	-	-	-	-	-	-
MHDT	Gasoline	0.5528523	0.421	0.000	5.419	0.001	0.000	-	-	-	45.550	0.046	0.033
MHDT	Diesel	0	1.644	-	-	-	-	-	-	-	-	-	-
MHDT	Electricity	0	-	-	-	-	-	-	-	-	-	-	-
MHDT	Natural Gas	0	-	-	-	-	-	-	-	-	-	-	-

Idle/Diurnal-based emission rate (g/vehicle/trip)

		ROG_DIURN			CO2_IDLEX			CH4_IDLEX			N2O_IDLEX		
		ROG_IDLEX	NOx_IDLEX	SOx_IDLEX	CO_IDLEX	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	CO2	CH4	N2O	
Vehicle	Catego Fuel	ROG	NOx	SOx	CO	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	CO2	CH4	N2O	
HHDT	Gasoline	7.720	-	-	-	-	-	-	-	-	-	-	
HHDT	Diesel	5.465	66.006	0.120	79.533	0.034	0.033	-	-	12,622.498	0.254	1.989	
HHDT	Electricity	-	-	-	-	-	-	-	-	-	-	-	
HHDT	Natural Gas	0.342	7.184	-	58.968	0.012	0.011	-	-	7,829.535	17.988	1.596	
LDA	Gasoline	1.407	-	-	-	-	-	-	-	-	-	-	
LDA	Diesel	-	-	-	-	-	-	-	-	-	-	-	
LDA	Electricity	-	-	-	-	-	-	-	-	-	-	-	
LDA	Plug-in Hybrid	0.452	-	-	-	-	-	-	-	-	-	-	
LHDT1	Gasoline	3.278	0.036	0.001	3.756	-	-	-	-	118.563	0.113	0.003	
LHDT1	Diesel	0.110	2.005	0.001	0.910	0.028	0.026	-	-	132.364	0.005	0.021	
LHDT1	Electricity	-	-	-	-	-	-	-	-	-	-	-	
LHDT2	Gasoline	3.029	0.035	0.001	3.767	-	-	-	-	137.429	0.112	0.003	
LHDT2	Diesel	0.110	1.904	0.002	0.910	0.028	0.026	-	-	209.999	0.005	0.033	
LHDT2	Electricity	-	-	-	-	-	-	-	-	-	-	-	
MHDT	Gasoline	3.747	0.087	0.005	14.367	-	-	-	-	536.190	0.261	0.007	
MHDT	Diesel	0.231	13.157	0.022	7.501	0.024	0.022	-	-	2,274.231	0.011	0.358	
MHDT	Electricity	-	-	-	-	-	-	-	-	-	-	-	
MHDT	Natural Gas	0.207	5.537	-	31.013	0.017	0.016	-	-	4,614.952	14.517	0.941	

Default Worker Fleet Composition: EMFAC 2021 light duty vehicles

Vehicle Category	Fuel	VMT-based		Trip-based	
		Vehicle-Fuel Composition	Vehicle-Fuel Type	Trips	Vehicle-Fuel Type
		VMT	n	Trips	Composition
LDA	Gasoline	46599752	84%	5402698	75%
LDA	Diesel	154640.35	0%	21728.713	0%
LDA	Electricity	3634002.5	7%	356557.53	5%
LDA	Plug-in Hybrid	1680488.5	3%	145636.49	2%
LHDT1	Gasoline	1670644.4	3%	617514.39	9%
LHDT1	Diesel	1202470.6	2%	378373.77	5%
LHDT1	Electricity	29318.22	0%	5579.2108	0%
LHDT2	Gasoline	231177.68	0%	88464.849	1%
LHDT2	Diesel	493662.18	1%	149932.63	2%
LHDT2	Electricity	7189.7019	0%	1366.2593	0%
Total		55703346	100%	7167851.9	100%

Default Vendor Fleet Composition: MHD, Diesel

Vehicle Category	Fuel	Composite of Vehicle-Fuel Type in Fleet	
MHDT	Gasoline	0%	0%
MHDT	Diesel	50%	50%
MHDT	Electricity	0%	0%
MHDT	Natural Gas	0%	0%
HHDT	Gasoline	0%	0%
HHDT	Diesel	50%	50%
HHDT	Electricity	0%	0%
HHDT	Natural Gas	0%	0%
Total		100%	100%

Default Haul Fleet Composition: HHDT, Diesel

Vehicle Category	Fuel	Composite of Vehicle-Fuel Type in Fleet	
HHDT	Gasoline	0%	0%
HHDT	Diesel	100%	100%
HHDT	Electricity	0%	0%
HHDT	Natural Gas	0%	0%
Total		100%	100%

Exhaust Emission - Worker Fleet Composition from EMFAC 2021

Emission Factor	ROG	NOx	SOx	CO	PM10 Ex	PM2.5 Ex	PM10 D	PM2.5 D	CO2	CH4	N2O	CO2e	Units
VMT -	0.015	0.087	0.003	0.650	0.003	0.003	0.020	0.006	298.642	0.003	0.007	300.890982	g/mile
Trip -	0.510046719	0.2431643	0.0005456	2.5155066	0.001634489	0.001503	0	0	55.1910964	0.053226752	0.029371639	65.2745136	g/trip
Evaporative -	1.397727572	0.149162	0.0002256	0.4371002	0.002035634	0.001948	0	0	23.290165	0.011471826	0.002089895	24.1997494	µ/day/vehicle

Exhaust Emission - Vendor

Emission Factor	ROG	NOx	SOx	CO	PM10 Ex	PM2.5 Ex	PM10 D	PM2.5 D	CO2	CH4	N2O	CO2e	Units
VMT -	0.021	1.526	0.013	0.090	0.020	0.019	0.086	0.028	1373.451	0.001	0.216	1437.95897	g/mile
Trip -	0	2.2823661	0	0	0	0	0	0	0	0	0	0	g/trip
Evaporative -	2.848096669	39.581295	0.0705316	43.516736	0.028917023	0.027666	0	0	7448.36483	0.132286714	1.173492912	7801.37288	µ/day/vehicle

Exhaust Emission - Haul

Emission Factor	ROG	NOx	SOx	CO	PM10 Ex	PM2.5 Ex	PM10 D	PM2.5 D	CO2	CH4	N2O	CO2e	Units
VMT -	0.016	1.891	0.015	0.077	0.027	0.026	0.114	0.036	1604.903	0.001	0.253	1680.27195	g/mile
Trip -	0	2.9208316	0	0	0	0	0	0	0	0	0	0	g/trip
Evaporative -	5.465059147	66.005885	0.1195275	79.532665	0.03432226	0.032837	0	0	12622.4983	0.253837843	1.988679742	13221.4708	µ/day/vehicle

Fugitive Dust Emissions (Unmitigated)

Onsite Granite Procurement and Crushing

Unit Volume of Material	1 cubic yard	
Material Density	168 lb/ft ³ for granite	https://www.aqua-calc.com/page/density-table/substance/granite-coma-and-blank-solid
Volume Conversion	27 ft ³ /cy	
Mass Conversion	2000 lbs/ton	
Estimated Total Mass	2 tons	
PM10 EF	0.03 lbs/ton	See worksheet Fugitive Dust EF

Phase	subphase	Total Workdays	Total Vol (cubic yard)	PM10 (lbs/day)	PM2.5 (lbs/day)
1A	Site Preparation	59	2750	2.90	0.44
1B	Site Preparation	21	1900	2.00	0.30
Tunnel	Site Preparation	34	315	0.33	0.05

Onsite Stockpiling

Unit Volume of Material	1 cubic yard	
Material density	168 lb/ft ³ for granite	https://www.aqua-calc.com/page/density-table/substance/granite-coma-and-blank-solid
Volume Conversion	27 ft ³ /cy	
Mass Conversion	2000 lbs/ton	
Estimated Total Mass	2 tons	
PM10 EF	0.0001 lbs/ton	See worksheet Fugitive Dust EF

Phase	subphase	Total Workdays	Pile Vol (cubic yard)	PM10 (lbs/day)	PM2.5 (lbs/day)
1A	Site Preparation	59	378	0.00	0.00
1A	Grading	36	231	0.00	0.00
1A	Building Construc	334	2141	0.00	0.00
1B	Site Preparation	21	104	0.00	0.00
1B	Grading	24	119	0.00	0.00
1B	Building Construc	339	1677	0.00	0.00
Tunnel	Site Preparation	34	89	0.00	0.00
Tunnel	Grading	21	55	0.00	0.00
Tunnel	Building Construc	65	171	0.00	0.00

Assume stockpile operation during phase Site Preparation, Grading, and Building Construction

Onsite Bulldozing during Grading Phase

Phase	subphase	Equipment	Total Equipment Hour	PM10 EF (lb/hr)	PM10 (lbs/day)	PM2.5 (lbs/day)
1A	Grading	Rubber Tired Dozers	216	0.75	4.52	0.68
1A	Grading	Scrapers	0	0.75	0.00	0.00
1A	Grading	Graders	0	0.75	0.00	0.00
1B	Grading	Rubber Tired Dozers	144	0.75	3.01	0.45
1B	Grading	Scrapers	0	0.75	0.00	0.00
1B	Grading	Graders	0	0.75	0.00	0.00
Tunnel	Grading	Rubber Tired Dozers	126	0.75	2.63	0.40

do not count grader

do not count scraper

do not count grader

Onsite Equipment Traveling

Phase	subphase	Total workday per phase	Equipment	Modeled Equipment	Weight (tons)	Total Equipment Hours	Average Speed (MPH)*	VMT	PM 10 Dust EF (lb/VMT)	PM10 Dust Emission (lb/day)	PM2.5 Dust Emission (lb/day)
1A	Demolition	9	973 Track Loader	Tractors/Loaders	33	63	3		0.190002	0	0
1A	Demolition	9	336 Excavator	Excavators	40.6	0	0.3		0.233761	0	0
1A	Demolition	9	Cat Skidsteer	Rubber Tired Loa	1.1	63	3		0.006333	0	0
1A	Demolition	9	350 Excavator	Excavators	40.5	63	0.3		0.233185	0	0
1A	Demolition	9	2K Water Truck	Off-Highway Truc	6.63	36	0		0.038173	0	0
									0		
1A	Site Preparation	59	973 Track Loader	Tractors/Loaders	33	413	3		0.190002	0	0
1A	Site Preparation	59	336 Excavator	Excavators	40.6	826	0.3		0.233761	0	0
1A	Site Preparation	59	Cat Skidsteer	Rubber Tired Loa	1.1	826	3		0.006333	0	0

1A	Site Preparation	59	350 Excavator	Excavators	40.5	826	0.3	0.233185	0	0
1A	Site Preparation	59	2K Water Truck	Off-Highway Tru	6.63	236	0	0.038173	0	0
1A	Site Preparation	59	586 Wheel Loader	Rubber Tired Loa	37.35	354	3	0.215048	0	0
1A	Site Preparation	59	8250LS Sonic Drill R	Bore/Drill Rigs	18.5	708	0	0.106517	0	0
1A	Site Preparation	59	Mobile Crushing Pla	Other Material H	13.225	80	0	0.076145	0	0
								0		
1A	Grading	36	D8 Dozer	Rubber Tired Doz	43.8	216	3	0.252185	0	0
1A	Grading	36	623 Scraper	Scrapers	44.0305	252	3	0.253512	0	0
1A	Grading	36	950 Loader	Rubber Tired Loa	21.2305	252	0.3	0.122238	0	0
1A	Grading	36	2K Water Truck	Off-Highway Tru	6.63	216	0	0.038173	0	0
1A	Grading	36	16 Blade	Graders	17.5335	216	3	0.100952	0	0
								0		
1A	Building constru	334	Scissor lifts	Aerial Lifts	7.6	6257.1456	0	0.043758	0	0
1A	Building constru	334	Air Compressors	Air Compressors	0	4345.24	0	0	0	0
1A	Building constru	334	Articulating Boom L	Aerial Lifts	0	1564.2864	0	0	0	0
1A	Building constru	334	Rough Terrain Forkl	Rough Terrain Fo	16.785	1042.8576	0.3	0.096642	0	0
1A	Building constru	334	Welding Machines	Welders	0	130.3572	0	0	0	0
1A	Building constru	334	Concrete Boom Pun	Off-Highway Tru	25.353	90	0	0.145974	0	0
1A	Building constru	334	Trailer Pumps	Pumps	1.115	200	0	0.00642	0	0
1A	Building constru	334	Tile and Chop Saws	Concrete/Industr	0	100	0	0	0	0
1A	Building constru	334	Generator Sets	Generator Sets	0	86.9048	0	0	0	0
1A	Building constru	334	Skid Steer Loaders	Skid Steer Loader	3.569	86.9048	0.3	0.020549	0	0
1A	Building constru	334	Sweepers/Scrubber	Sweepers/Scrubt	0	260.7144	0	0	0	0
1A			0					0		
1A	Architectural Co	113	Aerial Lifts	Aerial Lifts	0	347.6192	0	0	0	0
1A	Architectural Co	113	Tile and Chop Saws	Concrete/Industr	0	782.1432	0	0	0	0
								0		
1A	Paving	80	Pavers	Pavers	0	60	0.3	0	0	0
1A	Paving	80	Skid Steer Loaders	Skid Steer Loader	3.569	173.8096	0.3	0.020549	0	0
1A	Paving	80	Rollers	Rollers	0	180	0.3	0	0	0
1A	Paving	80	Trailer Pumps	Pumps	1.115	120	0	0.00642	0	0
								0		
								0		
1B	Site Preparation	21	973 Track Loader	Tractors/Loaders	33	147	3	0.190002	0	0
1B	Site Preparation	21	336 Excavator	Excavators	40.6	294	0.3	0.233761	0	0
1B	Site Preparation	21	Cat Skidsteer	Rubber Tired Loa	1.1	294	3	0.006333	0	0
1B	Site Preparation	21	350 Excavator	Excavators	40.6	294	0.3	0.233761	0	0
1B	Site Preparation	21	2K Water Truck	Off-Highway Tru	6.63	84	0	0.038173	0	0
1B	Site Preparation	21	586 Wheel Loader	Rubber Tired Loa	1.1	126	3	0.006333	0	0
1B	Site Preparation	21	8250LS Sonic Drill R	Bore/Drill Rigs	18.5	252	0	0.106517	0	0
1B	Site Preparation	21	Mobile Crushing Pla	Other Material H	13.225	80	0	0.076145	0	0
								0		
1B	Grading	24	D8 Dozer	Rubber Tired Doz	43.8	144	3	0.252185	0	0
1B	Grading	24	623 Scraper	Scrapers	44.0305	168	3	0.253512	0	0
1B	Grading	24	950 Loader	Rubber Tired Loa	1.1	168	0.3	0.006333	0	0
1B	Grading	24	2K Water Truck	Off-Highway Tru	6.63	144	0	0.038173	0	0
1B	Grading	24	16 Blade	Graders	17.5335	144	3	0.100952	0	0
								0		
1B	Building constru	339	Scissor lifts	Aerial Lifts	7.6	6257	0	0.043758	0	0
1B	Building constru	339	Air Compressors	Air Compressors	0	4345	0	0	0	0
1B	Building constru	339	Articulating Boom L	Aerial Lifts	7.6	1564	0	0.043758	0	0
1B	Building constru	339	Rough Terrain Forkl	Rough Terrain Fo	16.785	1043	0.3	0.096642	0	0
1B	Building constru	339	Welding Machines	Welders	0	130	0	0	0	0
1B	Building constru	339	Concrete Boom Pun	Pumps	25.353	90	0	0.145974	0	0
1B	Building constru	339	Trailer Pumps	Pumps	25.353	200	0	0.145974	0	0
1B	Building constru	339	Tile and Chop Saws	Concrete/Industr	0	100	0	0	0	0
1B	Building constru	339	Generator Sets	Generator Sets	0	87	0	0	0	0
1B	Building constru	339	Skid Steer Loaders	Skid Steer Loader	3.569	87	0.3	0.020549	0	0
1B	Building constru	339	Sweepers/Scrubber	Sweepers/Scrubt	0	261	0	0	0	0
								0		

1B	Architectural Co	124	Aerial Lifts	Aerial Lifts	7.6	1390	0	0.043758	0	0
1B	Architectural Co	124	Tile and Chop Saws	Concrete/Industr	0	782	0	0	0	0
								0		
								0		
Tunnel	Demolition	16	586 Wheel Loader	Rubber Tired Loa	1.1	96	3	0.006333	0	0
Tunnel	Demolition	16	336 Excavator	Excavators	40.6	0	0.3	0.233761	0	0
Tunnel	Demolition	16	Cat Skidsteer	Rubber Tired Loa	1.1	80	3	0.006333	0	0
Tunnel	Demolition	16	350 Excavator	Excavators	40.6	96	0.3	0.233761	0	0
Tunnel	Demolition	16	2K Water Truck	Off-Highway Truc	6.63	64	0	0.038173	0	0
								0		
Tunnel	Site Preparation	34	973 Track Loader	Tractors/Loaders	33	238	3	0.190002	0	0
Tunnel	Site Preparation	34	336 Excavator	Excavators	40.6	238	0.3	0.233761	0	0
Tunnel	Site Preparation	34	Cat Skidsteer	Rubber Tired Loa	1.1	238	3	0.006333	0	0
Tunnel	Site Preparation	34	350 Excavator	Excavators	40.6	238	0.3	0.233761	0	0
Tunnel	Site Preparation	34	2K Water Truck	Off-Highway Truc	6.63	136	0	0.038173	0	0
Tunnel	Site Preparation	34	586 Wheel Loader	Rubber Tired Loa	1.1	204	3	0.006333	0	0
Tunnel	Site Preparation	34	8250LS Sonic Drill R	Bore/Drill Rigs	18.5	408	0	0.106517	0	0
Tunnel	Site Preparation	34	Mobile Crushing Pla	Other Material H	13.225	272	0	0.076145	0	0
								0		
Tunnel	Grading	21	D8 Dozer	Rubber Tired Doz	43.8	126	3	0.252185	0	0
Tunnel	Grading	21	350 Excavator	Excavators	40.6	126	0.3	0.233761	0	0
Tunnel	Grading	21	950 Loader	Rubber Tired Loa	1.1	147	0.3	0.006333	0	0
Tunnel	Grading	21	2K Water Truck	Off-Highway Truc	6.63	126	0	0.038173	0	0
Tunnel	Grading	21	Case Backhoe	Tractors/Loaders	33	126	3	0.190002	0	0
								0		
Tunnel	Building constru	65	Scissor lifts	Aerial Lifts	7.6	260.7144	0	0.043758	0	0
Tunnel	Building constru	65	Air Compressors	Air Compressors	0	108.631	0	0	0	0
Tunnel	Building constru	65	Articulating Boom L	Aerial Lifts	7.6	0	0	0.043758	0	0
Tunnel	Building constru	65	Rough Terrain Forkl	Rough Terrain Fo	16.785	130.3572	0.3	0.096642	0	0
Tunnel	Building constru	65	Welding Machines	Welders	0	130.3572	0	0	0	0
Tunnel	Building constru	65	Concrete Boom Pumps	Pumps	25.353	130.3572	0	0.145974	0	0
Tunnel	Building constru	65	Trailer Pumps	Pumps	25.353	40	0	0.145974	0	0
Tunnel	Building constru	65	Tile and Chop Saws	Concrete/Industr	0	0	0	0	0	0
Tunnel	Building constru	65	Generator Sets	Generator Sets	0	130.3572	0	0	0	0
Tunnel	Building constru	65	Skid Steer Loaders	Skid Steer Loader	3.569	86.9048	0.3	0.020549	0	0
Tunnel	Building constru	65	Sweepers/Scrubber	Sweepers/Scrubb	0	90	0	0	0	0
								0		
Tunnel	Paving	16	Pavers	Pavers	0	30	0.3	0	0	0
Tunnel	Paving	16	Skid Steer Loaders	Skid Steer Loader	3.569	80	0.3	0.020549	0	0
Tunnel	Paving	16	Rollers	Rollers	0	60	0.3	0	0	0
Tunnel	Paving	16	Trailer Pumps	Pumps	25.353	120	0	0.145974	0	0

Notes:

*Based on engineering estimation. Taveling of onsite water trucks and sweepers are assumed to cause negligible fugitive dust emissions due to watering and vaccuming.

Paving equipment are assumed to be traveling on hot mix asphalt type of material and have insignificant dust resuspension.

On-road Vehicles

Emission Factors for Unpaved and Paved Road

Phase	Subphase	Load Capacity (tons)	GVWR (ton)	Avg. Weight (tons)	PM10 EF, Unpaved Road (lbs/VMT)	Corrected PM10 EF, Unpaved Road (lb/VMT)	PM10 EF, Paved Road (lbs/VMT)	Corrected PM10 EF, Paved Road (lb/VMT)
1A	Demolition	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1A	Site Preparation	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1A	Grading	21	30	41	1.921	1.711	6.6E-4	6.4E-4
1A	Building Construc	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1A	Architectural Coa	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1A	Paving	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1B	Site Preparation	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1B	Grading	21	30	41	1.921	1.711	6.6E-4	6.4E-4
1B	Building Construc	14	30	37	1.845	1.643	6.6E-4	6.4E-4
1B	Architectural Coa	14	30	37	1.845	1.643	6.6E-4	6.4E-4

Tunnel	Demolition	14	30	37	1.845	1.643	6.6E-4	6.4E-4
Tunnel	Site Preparation	14	30	37	1.845	1.643	6.6E-4	6.4E-4
Tunnel	Grading	21	30	41	1.921	1.711	6.6E-4	6.4E-4
Tunnel	Building Construc	14	30	37	1.845	1.643	6.6E-4	6.4E-4
Tunnel	Paving	14	30	37	1.845	1.643	6.6E-4	6.4E-4

Notes:

Emission factor for travel on paved roads is estimated using Eq 3 and 3a on worksheet "Fugitive Dust EF".

Emission factor for travel on unpaved roads is estimated using Eq 2 and 2a on worksheet "Fugitive Dust EF".

Weight of worker vehicle is calculated as the average of vehicle category max weight (LDA: 3,190 lbs, LDT1: 3,750 lbs, LDT2: 5,750 lbs, EMFAC2011)

For calculating EF from paved road, the average weight of all vehicles traveling the road is assumed to be 2.4 tons.

Assuming 1 cubic yard of aggregate, sand or dirt is equivalent to 1.5 tons.

All haul trucks are assumed to be HHDT max weight to be conservative.

Dust Emissions from Unpaved and Paved Road

Phase	Subphase	Total Workdays	Unpaved Road (mi)	Paved Road (mi)	Unpaved Road		Paved Road		Total	
					PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
1A	Demolition	9	2	1,893	0.438	0.066	0.135	0.034	0.6	0.1
	Site Preparation									
1A		59	4	22,987	0.100	0.015	0.251	0.063	0.4	0.1
1A	Grading	36	39	16,745	1.872	0.281	0.299	0.075	2.2	0.4
	Building Construction									
1A		334	19	630,031	0.095	0.014	1.213	0.303	1.3	0.3
	Architectural Coating									
1A		113	4	144,883	0.058	0.009	0.824	0.206	0.9	0.2
1A	Paving	80	15	32,836	0.308	0.046	0.264	0.066	0.6	0.1
	Site Preparation									
1B		21	1	8,212	0.110	0.016	0.251	0.063	0.4	0.1
1B	Grading	24	27	11,396	1.939	0.291	0.305	0.076	2.2	0.4
	Building Construction									
1B		339	16	435,549	0.076	0.011	0.826	0.207	0.9	0.2
	Architectural Coating									
1B		124	3	143,796	0.040	0.006	0.746	0.186	0.8	0.2
Tunnel	Demolition	16	1	5,318	0.123	0.018	0.214	0.053	0.3	0.1
	Site Preparation									
Tunnel		34	1	12,978	0.048	0.007	0.245	0.061	0.3	0.1
Tunnel	Grading	21	19	8,672	1.515	0.227	0.266	0.066	1.8	0.3
	Building Construction									
Tunnel		65	6	27,817	0.152	0.023	0.275	0.069	0.4	0.1
Tunnel	Paving	16	3	3,781	0.308	0.046	0.152	0.038	0.5	0.1

PM2.5 to PM10 Mass Emission Ratio used in Calculation

Fugitive Dust Source	PM2.5/PM10	Reference
General	0.1	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final Report, Oct 2005.
		Based on k-values of PM2.5 and PM10 in EPA. AP-42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.4 Aggregate
Stockpiling	0.15	Handling and Storage Piles
Paved road	0.25	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final Report, Oct 2005.
Unpaved road	0.15	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final Report, Oct 2005.

3	<u>Travel on Paved Roads</u> $E(\text{lbs/VMT})=(k)(sL)^{.91}(W)^{1.02}$				
Where:	PM10	<u>Unit</u>	<u>Source</u>		
k= Particle Size Multiplier:	0.0022	dimensionless	AP-42 Chapter 13.2.1, Table 13.2.1-1, PM10 emissions		
sL= road surface silt loading	0.1	g/m^2	caleemod default		
W= average weight of the vehicles traveling the road	2.4	tons	Statewide average vehicle weight in CA	Note: ask Matt for source	
PM10 Emission factor	0.00066	lbs/VMT			

3a	<u>Correction for Natural Precipitation</u> ⁵					
	$E(\text{ext})=E[(1-P/4N)]$					
	Where:					
	Eext = annual or other long-term average emission factor		Unit	Source		
			dimensionless			
	P=#days/yr with >=0.01 inch precipitation during the averaging period		40	days	AP-42 Chapter 13.2.1, Figure 13.2.1-2	
	N=# days in averaging period		365	days		
	Corrected EF PM10	0.00064	lbs/VMT			

4

Bulldozing⁶

Equation is applied to graders and dozers to estimate fugitive dust from grading activity

Emissions factors for P10 from bulldozing are scaled from those of PM15

$$E(\text{lbs/hr})=1.0*s^{1.5}/M^{*1.4}$$

AP-42 Table 11.9-1, PM15,overburden

Where

$$E(\text{PM10})=E(\text{PM15})*F$$

Where:

M=	material moisture content	PM15	Unit	Source
			7.9 %	AP-42 Table 11.9-3,Overburden
s=	material silt content		6.9 %	AP-42 Table 11.9-3,Overburden
F=	scaling factor		0.75 constant	AP-42 Table 11.9-1, PM10
		PM15	1.00 lbs/hr	
		PM10	0.75 lbs/hr	

5	<u>Crushed Stone Processing</u> ⁷ E = 0.027396 lb/ton Estimated as the sum of emission from the folloing process (AP-42, Table 11.19.2-2)				
	0.0024 lb/ton	Tertiary crushing			
	0.0087 lb/ton	Screening			
	0.015 lb/ton	Fines Crushing			
	0.0011 lb/ton	Conveyor Transfer Point			
	8.00E-05 lb/ton	Wet Drilling - Unfragmented stone			
	1.60E-05 lb/ton	Truck Unloading -Fragmented Stone			
	1.00E-04 lb/ton	Truck Loading - Conveyor, crushed			

Sources

- ¹ EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.4 Aggregate Handling And Storage Piles, Eqn. 1
- ² EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.2 Unpaved Roads, Eqn. 1
- ³ EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.2 Unpaved Roads, Eqn. 2
- ⁴ EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.1 Paved Road, Eqn. 1
- ⁵ EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.1 Paved Road, Eqn. 2
- ⁶ EPA. AP 42, Fifth Edition, Volume I Chapter 11: Mineral Products Industry, 11.9 Mineral Products Industry, Table 11.9-1 Bulldozing
- ⁷ EPA. AP 42, Fifth Edition, Volume I Chapter 11: Mineral Products Industry, 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing

Statewide Average Annual Offroad Equipment Emission Factors (grams per horsepower-hour)

Equipment	Year	Fuel	Low HP	High HP	TOG	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	2025	Diesel	0	25	1.013	0.837	6.391	4.044	0.012	0.246	0.226	848.507	0.034	0.007
Aerial Lifts	2025	Diesel	25	50	0.183	0.154	2.877	3.086	0.005	0.021	0.019	586.900	0.024	0.005
Aerial Lifts	2025	Diesel	50	75	0.116	0.098	1.532	3.145	0.005	0.028	0.026	527.864	0.021	0.004
Aerial Lifts	2025	Diesel	75	100	0.120	0.101	1.471	3.205	0.005	0.022	0.020	528.027	0.021	0.004
Aerial Lifts	2025	Diesel	100	175	0.101	0.085	0.571	2.845	0.005	0.024	0.022	527.719	0.021	0.004
Aerial Lifts	2025	Diesel	175	300	0.100	0.084	0.687	0.974	0.005	0.009	0.009	527.713	0.021	0.004
Aerial Lifts	2025	Diesel	300	600	0.081	0.068	0.264	0.963	0.005	0.009	0.009	527.713	0.021	0.004
Air Compressors	2025	Diesel	0	25	0.706	0.584	4.392	2.608	0.008	0.179	0.165	569.768	0.023	0.005
Air Compressors	2025	Diesel	25	50	0.659	0.545	3.756	4.852	0.007	0.117	0.107	568.363	0.023	0.005
Bore/Drill Rigs	2025	Diesel	0	25	1.020	0.843	6.436	3.804	0.011	0.242	0.223	850.855	0.035	0.007
Bore/Drill Rigs	2025	Diesel	25	50	0.708	0.595	4.004	4.301	0.006	0.194	0.179	599.970	0.024	0.005
Bore/Drill Rigs	2025	Diesel	50	75	0.357	0.300	4.671	3.327	0.005	0.255	0.235	497.786	0.020	0.004
Bore/Drill Rigs	2025	Diesel	75	100	0.169	0.142	1.745	3.249	0.005	0.051	0.047	522.567	0.021	0.004
Bore/Drill Rigs	2025	Diesel	100	175	0.137	0.115	0.900	2.952	0.005	0.040	0.037	530.619	0.022	0.004
Bore/Drill Rigs	2025	Diesel	175	300	0.135	0.113	1.055	1.055	0.005	0.035	0.032	525.609	0.021	0.004
Bore/Drill Rigs	2025	Diesel	300	600	0.122	0.102	0.825	0.983	0.005	0.030	0.027	521.059	0.021	0.004
Bore/Drill Rigs	2025	Diesel	600	750	0.084	0.071	0.417	0.959	0.005	0.016	0.014	530.305	0.022	0.004
Bore/Drill Rigs	2025	Diesel	750	999	0.205	0.172	3.862	0.994	0.005	0.089	0.082	526.939	0.021	0.004
Cement and Mortar Mixers	2025	Diesel	0	25	0.669	0.553	4.200	3.255	0.009	0.164	0.151	570.175	0.023	0.005
Concrete/Industrial Saws	2025	Diesel	0	25	0.719	0.595	4.546	2.456	0.008	0.170	0.156	596.388	0.024	0.005
Concrete/Industrial Saws	2025	Diesel	25	50	0.532	0.439	3.635	4.348	0.007	0.101	0.093	575.013	0.023	0.005
Cranes	2025	Diesel	0	25	1.509	1.268	4.898	5.859	0.005	0.389	0.358	586.607	0.024	0.005
Cranes	2025	Diesel	25	50	2.245	1.886	5.810	7.309	0.005	0.565	0.520	592.060	0.024	0.005
Cranes	2025	Diesel	50	75	1.636	1.375	9.722	4.696	0.005	0.981	0.903	525.413	0.021	0.004
Cranes	2025	Diesel	75	100	0.456	0.383	3.564	3.727	0.005	0.206	0.190	526.436	0.021	0.004
Cranes	2025	Diesel	100	175	0.424	0.356	3.321	3.362	0.005	0.181	0.166	528.683	0.021	0.004
Cranes	2025	Diesel	175	300	0.322	0.270	2.772	1.537	0.005	0.118	0.108	527.564	0.021	0.004
Cranes	2025	Diesel	300	600	0.239	0.201	1.950	1.663	0.005	0.079	0.073	527.585	0.021	0.004
Cranes	2025	Diesel	600	750	0.452	0.380	3.764	2.675	0.005	0.187	0.172	527.208	0.021	0.004
Cranes	2025	Diesel	750	999	0.579	0.487	6.034	4.087	0.005	0.251	0.231	527.447	0.021	0.004
Crawler Tractors	2025	Diesel	25	50	2.095	1.761	4.984	6.752	0.005	0.461	0.424	582.954	0.024	0.005
Crawler Tractors	2025	Diesel	50	75	2.321	1.950	15.444	6.322	0.005	1.132	1.042	527.857	0.021	0.004
Crawler Tractors	2025	Diesel	75	100	0.528	0.443	3.876	3.747	0.005	0.279	0.256	528.471	0.021	0.004
Crawler Tractors	2025	Diesel	100	175	0.356	0.299	2.697	3.211	0.005	0.151	0.139	527.479	0.021	0.004
Crawler Tractors	2025	Diesel	175	300	0.330	0.277	2.934	1.749	0.005	0.122	0.113	527.288	0.021	0.004
Crawler Tractors	2025	Diesel	300	600	0.215	0.180	1.630	1.417	0.005	0.065	0.060	528.093	0.021	0.004
Crawler Tractors	2025	Diesel	600	750	0.488	0.410	5.326	1.929	0.005	0.178	0.164	524.386	0.021	0.004
Crawler Tractors	2025	Diesel	750	999	0.265	0.223	4.257	1.396	0.005	0.095	0.088	533.878	0.022	0.004
Crushing/Proc. Equipment	2025	Gasoline	50	100	255.755	255.635	1.875	27.670	0.008	0.057	0.043	820.979	0.035	0.007
Dumpers/Tenders	2025	Diesel	0	25	0.691	0.571	4.367	2.359	0.007	0.163	0.150	572.880	0.023	0.005
Excavators	2025	Diesel	0	25	1.066	0.882	6.484	3.582	0.011	0.251	0.231	845.980	0.034	0.007
Excavators	2025	Diesel	25	50	0.478	0.402	3.446	4.211	0.005	0.107	0.098	587.138	0.024	0.005
Excavators	2025	Diesel	50	75	0.267	0.224	2.514	3.342	0.005	0.139	0.128	527.223	0.021	0.004
Excavators	2025	Diesel	75	100	0.235	0.197	2.045	3.460	0.005	0.081	0.074	524.872	0.021	0.004
Excavators	2025	Diesel	100	175	0.189	0.159	1.164	3.078	0.005	0.057	0.053	528.086	0.021	0.004
Excavators	2025	Diesel	175	300	0.158	0.133	0.987	1.099	0.005	0.033	0.030	528.274	0.021	0.004
Excavators	2025	Diesel	300	600	0.137	0.115	0.714	1.043	0.005	0.025	0.023	526.988	0.021	0.004

Statewide Average Annual Offroad Equipment Emission Factors (grams per horsepower-hour)

Equipment	Year	Fuel	Low HP	High HP	TOG	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
Excavators	2025	Diesel	600	750	0.260	0.218	2.427	1.510	0.005	0.089	0.082	530.428	0.022	0.004
Excavators	2025	Diesel	750	999	0.094	0.079	2.360	0.992	0.005	0.021	0.020	534.921	0.022	0.004
Forklifts	2025	Diesel	25	50	0.757	0.636	3.929	5.026	0.005	0.178	0.164	587.350	0.024	0.005
Forklifts	2025	Diesel	50	75	2.030	1.706	13.424	5.618	0.005	1.044	0.961	520.490	0.021	0.004
Forklifts	2025	Diesel	75	100	0.321	0.269	2.551	3.599	0.005	0.135	0.124	527.108	0.021	0.004
Forklifts	2025	Diesel	100	175	0.250	0.210	1.661	3.169	0.005	0.085	0.078	527.465	0.021	0.004
Forklifts	2025	Diesel	175	300	0.222	0.187	1.426	1.204	0.005	0.055	0.050	528.244	0.021	0.004
Forklifts	2025	Diesel	300	600	0.276	0.232	1.832	1.254	0.005	0.068	0.063	531.099	0.022	0.004
Forklifts	2025	Diesel	600	750	0.276	0.232	1.832	1.254	0.005	0.068	0.063	531.099	0.022	0.004
Forklifts	2025	Diesel	750	999	0.135	0.114	2.432	1.045	0.005	0.023	0.021	527.640	0.021	0.004
Generator Sets	2025	Diesel	0	25	0.656	0.542	4.347	2.869	0.008	0.177	0.163	568.322	0.023	0.005
Generator Sets	2025	Diesel	25	50	0.441	0.364	3.482	3.759	0.007	0.093	0.086	568.312	0.023	0.005
Graders	2025	Diesel	0	25	2.366	1.988	6.089	7.740	0.005	0.734	0.675	587.012	0.024	0.005
Graders	2025	Diesel	25	50	2.356	1.980	5.334	7.562	0.005	0.548	0.505	586.256	0.024	0.005
Graders	2025	Diesel	50	75	1.762	1.481	11.526	5.017	0.005	0.992	0.912	544.098	0.022	0.004
Graders	2025	Diesel	75	100	0.635	0.534	4.218	3.970	0.005	0.310	0.286	522.945	0.021	0.004
Graders	2025	Diesel	100	175	0.404	0.340	2.859	3.419	0.005	0.159	0.146	531.194	0.022	0.004
Graders	2025	Diesel	175	300	0.282	0.237	2.445	1.213	0.005	0.081	0.075	527.706	0.021	0.004
Graders	2025	Diesel	300	600	0.347	0.292	3.115	1.098	0.005	0.113	0.104	525.708	0.021	0.004
Graders	2025	Diesel	600	750	0.347	0.292	3.115	1.098	0.005	0.113	0.104	525.708	0.021	0.004
Graders	2025	Diesel	750	999	0.256	0.215	3.876	1.380	0.005	0.085	0.078	528.121	0.021	0.004
Off-Highway Tractors	2025	Diesel	0	25	4.827	4.056	7.675	11.147	0.005	1.055	0.971	586.526	0.024	0.005
Off-Highway Tractors	2025	Diesel	25	50	0.613	0.515	3.682	4.608	0.005	0.140	0.128	586.153	0.024	0.005
Off-Highway Tractors	2025	Diesel	50	75	0.431	0.362	3.303	3.811	0.005	0.193	0.177	526.613	0.021	0.004
Off-Highway Tractors	2025	Diesel	75	100	0.254	0.213	2.260	3.515	0.005	0.109	0.100	529.622	0.021	0.004
Off-Highway Tractors	2025	Diesel	100	175	0.208	0.175	1.344	3.131	0.005	0.064	0.059	527.455	0.021	0.004
Off-Highway Tractors	2025	Diesel	175	300	0.187	0.157	1.154	1.138	0.005	0.042	0.038	527.781	0.021	0.004
Off-Highway Tractors	2025	Diesel	300	600	0.150	0.126	0.750	1.051	0.005	0.026	0.024	526.647	0.021	0.004
Off-Highway Tractors	2025	Diesel	600	750	0.301	0.253	1.717	1.093	0.005	0.089	0.082	524.144	0.021	0.004
Off-Highway Tractors	2025	Diesel	750	999	0.238	0.200	2.856	1.060	0.005	0.062	0.057	527.647	0.021	0.004
Off-Highway Trucks	2025	Diesel	25	50	0.807	0.678	4.009	5.532	0.005	0.185	0.170	582.022	0.024	0.005
Off-Highway Trucks	2025	Diesel	50	75	0.278	0.234	1.633	3.905	0.005	0.027	0.024	522.493	0.021	0.004
Off-Highway Trucks	2025	Diesel	75	100	0.367	0.309	2.692	3.878	0.005	0.156	0.143	530.118	0.022	0.004
Off-Highway Trucks	2025	Diesel	100	175	0.259	0.218	1.372	3.341	0.005	0.068	0.062	526.643	0.021	0.004
Off-Highway Trucks	2025	Diesel	175	300	0.222	0.187	1.149	1.234	0.005	0.044	0.041	526.221	0.021	0.004
Off-Highway Trucks	2025	Diesel	300	600	0.211	0.177	1.086	1.174	0.005	0.038	0.035	528.587	0.021	0.004
Off-Highway Trucks	2025	Diesel	600	750	0.275	0.231	1.670	1.574	0.005	0.064	0.059	528.690	0.021	0.004
Off-Highway Trucks	2025	Diesel	750	999	0.201	0.169	2.949	1.134	0.005	0.049	0.045	524.321	0.021	0.004
Other Construction Equipme	2025	Diesel	0	25	0.994	0.822	6.237	4.875	0.013	0.242	0.222	848.519	0.034	0.007
Other Construction Equipme	2025	Diesel	25	50	0.901	0.757	4.304	4.872	0.005	0.268	0.246	591.483	0.024	0.005
Other Construction Equipme	2025	Diesel	50	75	1.163	0.978	8.526	4.506	0.005	0.653	0.601	522.348	0.021	0.004
Other Construction Equipme	2025	Diesel	75	100	0.354	0.298	2.891	3.512	0.005	0.172	0.159	527.743	0.021	0.004
Other Construction Equipme	2025	Diesel	100	175	0.283	0.238	2.193	3.147	0.005	0.114	0.105	526.485	0.021	0.004
Other Construction Equipme	2025	Diesel	175	300	0.248	0.208	2.169	1.368	0.005	0.085	0.078	528.599	0.021	0.004
Other Construction Equipme	2025	Diesel	300	600	0.186	0.156	1.413	1.269	0.005	0.054	0.049	528.419	0.021	0.004
Other Construction Equipme	2025	Diesel	600	750	0.183	0.154	1.514	1.109	0.005	0.051	0.047	528.780	0.021	0.004
Other Construction Equipme	2025	Diesel	750	999	0.148	0.124	2.711	0.999	0.005	0.045	0.041	527.554	0.021	0.004

Statewide Average Annual Offroad Equipment Emission Factors (grams per horsepower-hour)

Equipment	Year	Fuel	Low HP	High HP	TOG	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
Other General Industrial Equ	2025	Diesel	0	25	0.992	0.820	6.400	3.898	0.011	0.242	0.223	848.007	0.034	0.007
Other General Industrial Equ	2025	Diesel	25	50	0.585	0.491	3.713	4.675	0.005	0.136	0.125	588.026	0.024	0.005
Other General Industrial Equ	2025	Diesel	50	75	0.246	0.207	2.050	3.571	0.005	0.077	0.071	528.191	0.021	0.004
Other General Industrial Equ	2025	Diesel	75	100	0.526	0.442	3.866	3.825	0.005	0.270	0.248	528.455	0.021	0.004
Other General Industrial Equ	2025	Diesel	100	175	0.237	0.199	1.445	3.226	0.005	0.076	0.070	528.383	0.021	0.004
Other General Industrial Equ	2025	Diesel	175	300	0.204	0.172	1.397	1.167	0.005	0.047	0.043	528.509	0.021	0.004
Other General Industrial Equ	2025	Diesel	300	600	0.168	0.141	0.875	1.087	0.005	0.030	0.027	528.188	0.021	0.004
Other General Industrial Equ	2025	Diesel	600	750	0.122	0.102	0.535	1.209	0.005	0.025	0.023	528.187	0.021	0.004
Other General Industrial Equ	2025	Diesel	750	999	0.188	0.158	3.301	1.046	0.005	0.055	0.051	528.190	0.021	0.004
Other Material Handling Equ	2025	Diesel	0	25	1.430	1.202	4.143	5.824	0.005	0.296	0.272	586.785	0.024	0.005
Other Material Handling Equ	2025	Diesel	25	50	0.866	0.728	4.268	5.259	0.005	0.238	0.219	590.076	0.024	0.005
Other Material Handling Equ	2025	Diesel	50	75	0.632	0.531	4.560	4.133	0.005	0.364	0.335	525.353	0.021	0.004
Other Material Handling Equ	2025	Diesel	75	100	0.218	0.183	1.957	3.456	0.005	0.066	0.060	528.778	0.021	0.004
Other Material Handling Equ	2025	Diesel	100	175	0.248	0.209	1.552	3.239	0.005	0.086	0.079	527.405	0.021	0.004
Other Material Handling Equ	2025	Diesel	175	300	0.286	0.240	2.021	1.176	0.005	0.083	0.076	528.011	0.021	0.004
Other Material Handling Equ	2025	Diesel	300	600	0.199	0.167	1.280	1.263	0.005	0.048	0.044	528.583	0.021	0.004
Other Material Handling Equ	2025	Diesel	600	750	0.406	0.341	2.673	1.132	0.005	0.140	0.129	527.804	0.021	0.004
Other Material Handling Equ	2025	Diesel	750	999	0.072	0.061	2.284	0.950	0.005	0.018	0.017	527.804	0.021	0.004
Pavers	2025	Diesel	0	25	1.038	0.858	6.558	3.542	0.011	0.245	0.226	860.205	0.035	0.007
Pavers	2025	Diesel	25	50	1.089	0.915	4.118	4.929	0.005	0.264	0.243	587.425	0.024	0.005
Pavers	2025	Diesel	50	75	0.720	0.605	4.905	3.706	0.005	0.420	0.386	524.498	0.021	0.004
Pavers	2025	Diesel	75	100	0.295	0.248	2.646	3.445	0.005	0.139	0.128	526.537	0.021	0.004
Pavers	2025	Diesel	100	175	0.220	0.185	1.676	3.014	0.005	0.080	0.073	528.494	0.021	0.004
Pavers	2025	Diesel	175	300	0.130	0.110	1.069	1.000	0.005	0.036	0.033	528.337	0.021	0.004
Pavers	2025	Diesel	300	600	0.128	0.108	1.041	0.980	0.005	0.032	0.029	527.676	0.021	0.004
Pavers	2025	Diesel	600	750	0.075	0.063	0.263	0.954	0.005	0.009	0.008	527.836	0.021	0.004
Paving Equipment	2025	Diesel	0	25	1.026	0.848	6.483	3.502	0.011	0.242	0.223	850.426	0.034	0.007
Paving Equipment	2025	Diesel	25	50	0.570	0.479	3.646	4.225	0.005	0.142	0.131	585.796	0.024	0.005
Paving Equipment	2025	Diesel	50	75	1.058	0.889	6.658	4.184	0.005	0.662	0.609	523.953	0.021	0.004
Paving Equipment	2025	Diesel	75	100	0.241	0.202	2.216	3.418	0.005	0.089	0.082	527.686	0.021	0.004
Paving Equipment	2025	Diesel	100	175	0.235	0.197	1.696	3.088	0.005	0.089	0.082	526.935	0.021	0.004
Paving Equipment	2025	Diesel	175	300	0.183	0.154	1.397	1.102	0.005	0.056	0.051	528.599	0.021	0.004
Paving Equipment	2025	Diesel	300	600	0.119	0.100	0.699	1.002	0.005	0.022	0.020	527.009	0.021	0.004
Paving Equipment	2025	Diesel	600	750	0.116	0.098	0.698	0.972	0.005	0.011	0.010	528.037	0.021	0.004
Paving Equipment	2025	Diesel	750	999	0.139	0.117	2.377	1.010	0.005	0.040	0.037	528.095	0.021	0.004
Plate Compactors	2025	Diesel	0	25	0.662	0.547	4.144	3.471	0.009	0.162	0.149	568.406	0.023	0.005
Pressure Washers	2025	Diesel	0	25	0.640	0.529	4.377	3.262	0.009	0.181	0.166	577.829	0.023	0.005
Pressure Washers	2025	Diesel	25	50	0.315	0.260	3.429	3.291	0.008	0.077	0.071	582.656	0.024	0.005
Pumps	2025	Diesel	0	25	0.695	0.574	4.334	3.001	0.008	0.181	0.166	568.244	0.023	0.005
Pumps	2025	Diesel	25	50	0.486	0.401	3.528	3.943	0.007	0.099	0.091	568.336	0.023	0.005
Rollers	2025	Diesel	0	25	1.008	0.833	6.317	4.394	0.012	0.242	0.223	847.999	0.034	0.007
Rollers	2025	Diesel	25	50	0.675	0.567	3.678	4.113	0.005	0.166	0.153	586.902	0.024	0.005
Rollers	2025	Diesel	50	75	2.239	1.882	15.110	6.171	0.005	1.081	0.994	527.546	0.021	0.004
Rollers	2025	Diesel	75	100	0.290	0.244	2.601	3.414	0.005	0.129	0.118	528.034	0.021	0.004
Rollers	2025	Diesel	100	175	0.151	0.127	1.100	2.906	0.005	0.049	0.045	527.452	0.021	0.004
Rollers	2025	Diesel	175	300	0.248	0.208	2.175	1.522	0.005	0.087	0.080	528.085	0.021	0.004
Rollers	2025	Diesel	300	600	0.170	0.143	1.428	1.422	0.005	0.049	0.046	529.722	0.021	0.004

Statewide Average Annual Offroad Equipment Emission Factors (grams per horsepower-hour)

Equipment	Year	Fuel	Low HP	High HP	TOG	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
Rough Terrain Forklifts	2025	Diesel	0	25	0.495	0.416	5.040	4.163	0.005	0.288	0.265	587.236	0.024	0.005
Rough Terrain Forklifts	2025	Diesel	25	50	0.543	0.456	3.460	3.735	0.005	0.126	0.116	587.160	0.024	0.005
Rough Terrain Forklifts	2025	Diesel	50	75	1.748	1.469	12.074	5.063	0.005	0.884	0.813	529.994	0.021	0.004
Rough Terrain Forklifts	2025	Diesel	75	100	0.141	0.118	1.694	3.221	0.005	0.036	0.033	528.726	0.021	0.004
Rough Terrain Forklifts	2025	Diesel	100	175	0.213	0.179	1.471	2.942	0.005	0.101	0.093	527.759	0.021	0.004
Rough Terrain Forklifts	2025	Diesel	175	300	0.140	0.117	1.406	0.995	0.005	0.034	0.031	528.299	0.021	0.004
Rough Terrain Forklifts	2025	Diesel	300	600	0.088	0.074	0.527	0.957	0.005	0.009	0.008	527.807	0.021	0.004
Rough Terrain Forklifts	2025	Diesel	600	750	0.142	0.119	1.348	0.985	0.005	0.010	0.009	527.403	0.021	0.004
Rubber Tired Dozers	2025	Diesel	25	50	0.628	0.528	3.679	5.181	0.005	0.127	0.117	586.987	0.024	0.005
Rubber Tired Dozers	2025	Diesel	50	75	0.805	0.677	5.408	4.257	0.005	0.385	0.354	527.918	0.021	0.004
Rubber Tired Dozers	2025	Diesel	75	100	0.704	0.591	4.915	4.156	0.005	0.355	0.327	531.632	0.022	0.004
Rubber Tired Dozers	2025	Diesel	100	175	0.622	0.522	4.472	3.687	0.005	0.290	0.267	528.125	0.021	0.004
Rubber Tired Dozers	2025	Diesel	175	300	0.511	0.430	4.599	2.585	0.005	0.201	0.185	528.560	0.021	0.004
Rubber Tired Dozers	2025	Diesel	300	600	0.441	0.371	3.506	2.902	0.005	0.154	0.142	532.172	0.022	0.004
Rubber Tired Dozers	2025	Diesel	600	750	0.276	0.232	2.871	1.100	0.005	0.081	0.075	527.876	0.021	0.004
Rubber Tired Loaders	2025	Diesel	0	25	1.026	0.848	6.486	3.503	0.011	0.242	0.223	850.791	0.035	0.007
Rubber Tired Loaders	2025	Diesel	25	50	1.148	0.965	4.369	5.969	0.005	0.260	0.239	588.750	0.024	0.005
Rubber Tired Loaders	2025	Diesel	50	75	2.322	1.951	15.449	6.324	0.005	1.133	1.042	528.023	0.021	0.004
Rubber Tired Loaders	2025	Diesel	75	100	0.415	0.349	2.946	3.790	0.005	0.177	0.163	522.879	0.021	0.004
Rubber Tired Loaders	2025	Diesel	100	175	0.268	0.225	1.602	3.283	0.005	0.085	0.078	526.161	0.021	0.004
Rubber Tired Loaders	2025	Diesel	175	300	0.213	0.179	1.492	1.160	0.005	0.050	0.046	526.675	0.021	0.004
Rubber Tired Loaders	2025	Diesel	300	600	0.234	0.197	1.459	1.261	0.005	0.055	0.050	527.135	0.021	0.004
Rubber Tired Loaders	2025	Diesel	600	750	0.240	0.202	1.253	1.574	0.005	0.046	0.042	526.188	0.021	0.004
Rubber Tired Loaders	2025	Diesel	750	999	0.226	0.190	3.418	1.122	0.005	0.064	0.059	529.003	0.021	0.004
Scrapers	2025	Diesel	0	25	0.233	0.196	2.926	3.579	0.005	0.012	0.011	586.963	0.024	0.005
Scrapers	2025	Diesel	25	50	4.088	3.435	6.761	9.663	0.005	0.953	0.877	577.150	0.023	0.005
Scrapers	2025	Diesel	50	75	0.701	0.589	4.650	3.892	0.005	0.372	0.343	531.265	0.022	0.004
Scrapers	2025	Diesel	75	100	0.642	0.539	5.506	4.035	0.005	0.399	0.367	530.077	0.022	0.004
Scrapers	2025	Diesel	100	175	0.360	0.303	2.737	3.357	0.005	0.142	0.131	531.820	0.022	0.004
Scrapers	2025	Diesel	175	300	0.336	0.283	2.714	1.735	0.005	0.123	0.113	527.149	0.021	0.004
Scrapers	2025	Diesel	300	600	0.243	0.204	1.909	1.576	0.005	0.074	0.068	528.942	0.021	0.004
Scrapers	2025	Diesel	600	750	0.330	0.277	3.468	2.993	0.005	0.143	0.131	527.905	0.021	0.004
Scrapers	2025	Diesel	750	999	0.499	0.420	5.970	4.055	0.005	0.205	0.189	527.722	0.021	0.004
Signal Boards	2025	Diesel	0	25	0.662	0.547	4.143	3.470	0.009	0.162	0.149	568.302	0.023	0.005
Signal Boards	2025	Diesel	25	50	0.517	0.427	3.525	4.174	0.007	0.097	0.090	562.457	0.023	0.005
Skid Steer Loaders	2025	Diesel	0	25	1.025	0.847	6.486	3.493	0.011	0.248	0.228	848.214	0.034	0.007
Skid Steer Loaders	2025	Diesel	25	50	0.405	0.341	3.302	3.652	0.005	0.084	0.077	589.204	0.024	0.005
Skid Steer Loaders	2025	Diesel	50	75	0.166	0.139	1.862	3.249	0.005	0.056	0.052	528.374	0.021	0.004
Skid Steer Loaders	2025	Diesel	75	100	2.064	1.734	14.404	5.850	0.005	0.968	0.891	528.023	0.021	0.004
Skid Steer Loaders	2025	Diesel	100	175	0.130	0.109	1.005	2.878	0.005	0.039	0.036	527.077	0.021	0.004
Skid Steer Loaders	2025	Diesel	175	300	0.129	0.108	1.195	0.995	0.005	0.037	0.034	528.013	0.021	0.004
Skid Steer Loaders	2025	Diesel	300	600	0.201	0.169	2.089	1.001	0.005	0.092	0.084	528.537	0.021	0.004
Skid Steer Loaders	2025	Diesel	600	750	0.201	0.169	2.089	1.001	0.005	0.092	0.084	528.537	0.021	0.004
Skid Steer Loaders	2025	Diesel	750	999	0.090	0.076	2.290	0.955	0.005	0.030	0.028	527.040	0.021	0.004
Surfacing Equipment	2025	Diesel	25	50	0.275	0.231	3.526	3.488	0.005	0.080	0.074	591.326	0.024	0.005
Surfacing Equipment	2025	Diesel	50	75	0.725	0.610	6.180	3.816	0.005	0.402	0.370	530.261	0.022	0.004
Surfacing Equipment	2025	Diesel	75	100	0.161	0.135	1.904	3.266	0.005	0.058	0.054	532.453	0.022	0.004

Statewide Average Annual Offroad Equipment Emission Factors (grams per horsepower-hour)

Equipment	Year	Fuel	Low HP	High HP	TOG	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
Surfacing Equipment	2025	Diesel	100	175	0.319	0.268	2.623	3.106	0.005	0.147	0.135	528.391	0.021	0.004
Surfacing Equipment	2025	Diesel	175	300	0.198	0.167	2.031	1.295	0.005	0.069	0.063	528.396	0.021	0.004
Surfacing Equipment	2025	Diesel	300	600	0.125	0.105	0.993	1.068	0.005	0.036	0.033	527.121	0.021	0.004
Surfacing Equipment	2025	Diesel	600	750	0.108	0.091	0.810	1.000	0.005	0.033	0.031	527.646	0.021	0.004
Surfacing Equipment	2025	Diesel	750	999	0.164	0.137	3.090	1.120	0.005	0.056	0.052	527.980	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	0	25	0.970	0.802	6.368	4.137	0.012	0.242	0.223	849.457	0.034	0.007
Sweepers/Scrubbers	2025	Diesel	25	50	0.740	0.622	3.851	4.762	0.005	0.191	0.176	586.859	0.024	0.005
Sweepers/Scrubbers	2025	Diesel	50	75	1.067	0.897	6.798	4.347	0.005	0.597	0.549	525.363	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	75	100	0.283	0.238	2.376	3.570	0.005	0.112	0.103	527.853	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	100	175	0.253	0.213	1.634	3.194	0.005	0.072	0.066	528.031	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	175	300	0.230	0.193	1.995	1.144	0.005	0.064	0.059	528.031	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	300	600	0.096	0.081	0.269	0.986	0.005	0.010	0.009	528.031	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	600	750	0.096	0.081	0.269	0.986	0.005	0.010	0.009	528.031	0.021	0.004
Sweepers/Scrubbers	2025	Diesel	750	999	0.076	0.064	2.293	0.956	0.005	0.019	0.017	528.031	0.021	0.004
Tractors/Loaders/Backhoes	2025	Diesel	0	25	1.023	0.846	6.467	3.493	0.011	0.242	0.222	848.305	0.034	0.007
Tractors/Loaders/Backhoes	2025	Diesel	25	50	0.661	0.556	3.699	4.606	0.005	0.146	0.135	580.494	0.024	0.005
Tractors/Loaders/Backhoes	2025	Diesel	50	75	1.916	1.610	12.621	5.357	0.005	1.018	0.937	527.224	0.021	0.004
Tractors/Loaders/Backhoes	2025	Diesel	75	100	0.233	0.196	2.010	3.482	0.005	0.077	0.071	529.863	0.021	0.004
Tractors/Loaders/Backhoes	2025	Diesel	100	175	0.193	0.162	1.183	3.089	0.005	0.059	0.054	525.997	0.021	0.004
Tractors/Loaders/Backhoes	2025	Diesel	175	300	0.194	0.163	1.399	1.221	0.005	0.053	0.049	526.844	0.021	0.004
Tractors/Loaders/Backhoes	2025	Diesel	300	600	0.170	0.143	0.989	1.167	0.005	0.038	0.035	525.863	0.021	0.004
Tractors/Loaders/Backhoes	2025	Diesel	600	750	0.173	0.146	1.120	1.660	0.005	0.045	0.042	503.925	0.020	0.004
Tractors/Loaders/Backhoes	2025	Diesel	750	999	0.189	0.159	2.998	1.032	0.005	0.052	0.048	528.147	0.021	0.004
Trenchers	2025	Diesel	0	25	1.017	0.841	6.416	3.827	0.011	0.242	0.222	848.919	0.034	0.007
Trenchers	2025	Diesel	25	50	0.643	0.540	3.646	4.108	0.005	0.162	0.149	587.948	0.024	0.005
Trenchers	2025	Diesel	50	75	1.150	0.966	7.674	4.445	0.005	0.585	0.538	522.319	0.021	0.004
Trenchers	2025	Diesel	75	100	0.461	0.387	3.830	3.626	0.005	0.240	0.221	530.152	0.022	0.004
Trenchers	2025	Diesel	100	175	0.486	0.408	3.825	3.401	0.005	0.228	0.210	527.186	0.021	0.004
Trenchers	2025	Diesel	175	300	0.348	0.292	3.149	1.548	0.005	0.137	0.126	529.781	0.021	0.004
Trenchers	2025	Diesel	300	600	0.208	0.175	1.605	1.625	0.005	0.068	0.062	529.637	0.021	0.004
Trenchers	2025	Diesel	600	750	0.072	0.060	0.262	0.950	0.005	0.009	0.008	527.929	0.021	0.004
Trenchers	2025	Diesel	750	999	1.397	1.174	13.392	14.184	0.005	0.624	0.574	528.023	0.021	0.004
Welders	2025	Diesel	0	25	0.700	0.578	4.358	2.806	0.008	0.180	0.165	568.329	0.023	0.005
Welders	2025	Diesel	25	50	0.602	0.498	3.676	4.525	0.007	0.113	0.104	568.301	0.023	0.005

Equipment Default Horsepower and Load Factor

Equipment	Fuel	Horsepower	Load Factor
Aerial Lifts	CNG	19	0.46
Aerial Lifts	Diesel	46	0.31
Aerial Lifts	Electric	46	0.31
Aerial Lifts	Gasoline	33	0.46
Air Compressors	Diesel	37	0.48
Air Compressors	Electric	37	0.48
Air Compressors	Gasoline	6	0.56
Bore/Drill Rigs	Diesel	83	0.50
Bore/Drill Rigs	Electric	83	0.50
Bore/Drill Rigs	Gasoline	17	0.79
Cement and Mortar Mixers	Diesel	10	0.56
Cement and Mortar Mixers	Electric	10	0.56
Cement and Mortar Mixers	Gasoline	7	0.59
Concrete/Industrial Saws	Diesel	33	0.73
Concrete/Industrial Saws	Electric	33	0.73
Concrete/Industrial Saws	Gasoline	10	0.78
Cranes	Diesel	367	0.29
Cranes	Electric	367	0.29
Cranes	Gasoline	74	0.47
Crawler Tractors	Diesel	87	0.43
Crawler Tractors	Electric	87	0.43
Crushing/Proc. Equipment	Electric	12	0.85
Crushing/Proc. Equipment	Gasoline	12	0.85
Dumpers/Tenders	Diesel	16	0.38
Dumpers/Tenders	Electric	16	0.38
Dumpers/Tenders	Gasoline	9	0.41
Excavators	Diesel	36	0.38
Excavators	Electric	36	0.38
Forklifts	CNG	70	0.30
Forklifts	Diesel	82	0.20
Forklifts	Electric	82	0.20
Forklifts	Gasoline	70	0.30
Generator Sets	CNG	83	0.68
Generator Sets	Diesel	14	0.74
Generator Sets	Electric	14	0.74
Generator Sets	Gasoline	11	0.68
Graders	Diesel	148	0.41
Graders	Electric	148	0.41
Off-Highway Tractors	Diesel	38	0.44
Off-Highway Tractors	Electric	38	0.44
Off-Highway Trucks	Diesel	376	0.38
Off-Highway Trucks	Electric	376	0.38
Other Construction Equipment	Diesel	82	0.42
Other Construction Equipment	Electric	82	0.42
Other Construction Equipment	Gasoline	126	0.48
Other General Industrial Equipment	Diesel	35	0.34
Other General Industrial Equipment	Electric	35	0.34
Other General Industrial Equipment	Gasoline	11	0.54
Other Material Handling Equipment	Diesel	93	0.40
Other Material Handling Equipment	Electric	93	0.40
Other Material Handling Equipment	Gasoline	54	0.53
Pavers	Diesel	81	0.42
Pavers	Electric	81	0.42

Paving Equipment	Diesel	89	0.36
Paving Equipment	Electric	89	0.36
Paving Equipment	Gasoline	8	0.59
Plate Compactors	Diesel	8	0.43
Plate Compactors	Electric	8	0.43
Plate Compactors	Gasoline	6	0.55
Pressure Washers	Diesel	14	0.30
Pressure Washers	Electric	14	0.30
Pressure Washers	Gasoline	7	0.85
Pumps	Diesel	11	0.74
Pumps	Electric	11	0.74
Pumps	Gasoline	6	0.69
Rollers	Diesel	36	0.38
Rollers	Electric	36	0.38
Rollers	Gasoline	12	0.62
Rough Terrain Forklifts	Diesel	96	0.40
Rough Terrain Forklifts	Electric	96	0.40
Rough Terrain Forklifts	Gasoline	85	0.63
Rubber Tired Dozers	Diesel	367	0.40
Rubber Tired Dozers	Electric	367	0.40
Rubber Tired Loaders	Diesel	150	0.36
Rubber Tired Loaders	Electric	150	0.36
Rubber Tired Loaders	Gasoline	72	0.54
Scrapers	Diesel	423	0.48
Scrapers	Electric	423	0.48
Signal Boards	Diesel	6	0.82
Signal Boards	Electric	6	0.82
Signal Boards	Gasoline	8	0.76
Skid Steer Loaders	Diesel	71	0.37
Skid Steer Loaders	Electric	71	0.37
Skid Steer Loaders	Gasoline	19	0.58
Surfacing Equipment	Diesel	399	0.30
Surfacing Equipment	Electric	399	0.30
Surfacing Equipment	Gasoline	8	0.49
Sweepers/Scrubbers	Diesel	36	0.46
Sweepers/Scrubbers	Electric	36	0.46
Sweepers/Scrubbers	Gasoline	13	0.71
Tractors/Loaders/Backhoes	Diesel	84	0.37
Tractors/Loaders/Backhoes	Electric	84	0.37
Tractors/Loaders/Backhoes	Gasoline	63	0.48
Trenchers	Diesel	40	0.50
Trenchers	Electric	40	0.50
Trenchers	Gasoline	15	0.66
Welders	Diesel	46	0.45
Welders	Electric	46	0.45
Welders	Gasoline	16	0.51

Sources: California Air Resources Board (CARB). 2021. OFFROAD2017 - ORION. Available: <https://www.arb.ca.gov/orion/>. Accessed: March 2021.; California Air Resources Board (CARB). 2017. 2017 Emission Factors. Available: https://ww3.arb.ca.gov/msei/ordiesel/ordas_ef_fcf_2017_v7.xlsx. Accessed: March 2021.

ONROAD EMFAC Output

Source: EMFAC2021 (v1.0.2) Emission Rates

Region Type: County

Region: San Diego

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population n	Total VMT	CVMT	EVMT	Trips	NOx_RUN EX	NOx_IDLE X	NOx_STRE X	PM2.5_R UNEX	PM2.5_ID LEX	PM2.5_ST REX
San Diego	2025	HHDT	Aggregate	Aggregate	Gasoline	7.033692	477.7265269	477.7265269	0	140.7301012	7.363168	0	0.270717	0.002362	0	0.001309
San Diego	2025	HHDT	Aggregate	Aggregate	Diesel	15090.83	1880530.877	1880530.877	0	226484.8998	1.891436	66.00588	2.920832	0.026186	0.032837	0
San Diego	2025	HHDT	Aggregate	Aggregate	Electricity	102.656	11480.72009	0	11480.72009	1358.118339	0	0	0	0	0	0
San Diego	2025	HHDT	Aggregate	Aggregate	Natural Ga	1140.66	73139.4388	73139.4388	0	7065.205246	1.518473	7.183547	0	0.002532	0.011297	0
San Diego	2025	LDA	Aggregate	Aggregate	Gasoline	1163596	46599752.27	46599752.27	0	5402698.045	0.036769	0	0.239039	0.001491	0	0.001904
San Diego	2025	LDA	Aggregate	Aggregate	Diesel	5162.28	154640.3509	154640.3509	0	21728.71347	0.163458	0	0	0.014705	0	0
San Diego	2025	LDA	Aggregate	Aggregate	Electricity	71862.97	3634002.546	0	3634002.546	356557.5327	0	0	0	0	0	0
San Diego	2025	LDA	Aggregate	Aggregate	Plug-in Hyt	35220.43	1680488.486	811049.7851	869438.7005	145636.4867	0.003483	0	0.112851	0.000733	0	0.00194
San Diego	2025	LHDT1	Aggregate	Aggregate	Gasoline	41448.06	1670644.364	1670644.364	0	617514.3882	0.16808	0.03573	0.616176	0.00154	0	0.000299
San Diego	2025	LHDT1	Aggregate	Aggregate	Diesel	30080.41	1202470.55	1202470.55	0	378373.765	1.784595	2.004785	0	0.040273	0.026399	0
San Diego	2025	LHDT1	Aggregate	Aggregate	Electricity	399.0753	29318.22009	0	29318.22009	5579.210824	0	0	0	0	0	0
San Diego	2025	LHDT2	Aggregate	Aggregate	Gasoline	5937.832	231177.6845	231177.6845	0	88464.84909	0.146372	0.035482	0.616947	0.001317	0	0.000224
San Diego	2025	LHDT2	Aggregate	Aggregate	Diesel	11919.52	493662.1828	493662.1828	0	149932.628	1.296068	1.903591	0	0.034656	0.026487	0
San Diego	2025	LHDT2	Aggregate	Aggregate	Electricity	103.0285	7189.70188	0	7189.70188	1366.259336	0	0	0	0	0	0
San Diego	2025	MHDT	Aggregate	Aggregate	Gasoline	3413.785	196476.0298	196476.0298	0	68303.01579	0.411037	0.087215	0.42095	0.001297	0	0.000497
San Diego	2025	MHDT	Aggregate	Aggregate	Diesel	17786.85	752420.1333	752420.1333	0	206359.3853	1.160206	13.15671	1.643901	0.011506	0.022495	0
San Diego	2025	MHDT	Aggregate	Aggregate	Electricity	162.4972	9323.889988	0	9323.889988	2102.442811	0	0	0	0	0	0
San Diego	2025	MHDT	Aggregate	Aggregate	Natural Ga	332.0274	14457.2329	14457.2329	0	3939.342103	0.099253	5.537082	0	0.001304	0.016085	0

PM2.5_P	PM2.5_P	PM10_RU	PM10_IDL	PM10_ST	PM10_P	PM10_P	CO2_RUN	CO2_IDLE	CO2_STRE	CH4_RUN	CH4_IDLE	CH4_STRE	N2O_RUN	N2O_IDLE	N2O_STRE	ROG_RUN
MTW	MBW	NEX	EX	REX	MTW	MBW	EX	X	X	EX	X	X	EX	X	X	EX
0.005	0.033916	0.002569	0	0.001424	0.02	0.096902	2272.961	0	56.58658	0.203183	0	0.000151	0.212931	0	0.005735	1.176216
0.008829	0.027537	0.02737	0.034322	0	0.035314	0.078679	1604.903	12622.5	0	0.000755	0.253838	0	0.252853	1.98868	0	0.016266
0.008653	0.014632	0	0	0	0.034613	0.041807	0	0	0	0	0	0	0	0	0	0
0.009	0.061493	0.002753	0.012287	0	0.036	0.175695	1464.732	7829.535	0	2.039713	17.9877	0	0.298595	1.596102	0	0.078813
0.002	0.002582	0.001621	0	0.00207	0.008	0.007376	291.052	0	68.16563	0.002616	0	0.065298	0.004407	0	0.031814	0.00965
0.002	0.002641	0.01537	0	0	0.008	0.007547	252.9927	0	0	0.001644	0	0	0.039859	0	0	0.035396
0.002	0.00153	0	0	0	0.008	0.004373	0	0	0	0	0	0	0	0	0	0
0.002	0.001358	0.000797	0	0.00211	0.008	0.003879	146.4148	0	63.75911	0.000574	0	0.040898	0.000633	0	0.020488	0.001809
0.002	0.0273	0.001675	0	0.000325	0.008	0.078	861.3714	118.5626	25.58605	0.008055	0.112689	0.032389	0.009559	0.003022	0.050602	0.039684
0.003	0.0273	0.042094	0.027593	0	0.012	0.078	625.7364	132.364	0	0.008892	0.005098	0	0.098585	0.020854	0	0.191434
0.002	0.01365	0	0	0	0.008	0.039	0	0	0	0	0	0	0	0	0	0
0.002	0.03185	0.001433	0	0.000244	0.008	0.091	974.4906	137.4289	25.29687	0.005677	0.112448	0.031432	0.00907	0.002973	0.049964	0.026267
0.003	0.03185	0.036223	0.027684	0	0.012	0.091	750.5054	209.9985	0	0.007804	0.005098	0	0.118242	0.033085	0	0.168009
0.002	0.015925	0	0	0	0.008	0.0455	0	0	0	0	0	0	0	0	0	0
0.003	0.015767	0.001411	0	0.000541	0.012	0.045048	1767.799	536.1901	45.5496	0.01357	0.261073	0.046285	0.020915	0.007431	0.032602	0.06653
0.003	0.015913	0.012027	0.023512	0	0.012	0.045467	1141.998	2274.231	0	0.00123	0.010736	0	0.179922	0.358306	0	0.026486
0.003	0.007939	0	0	0	0.012	0.022684	0	0	0	0	0	0	0	0	0	0
0.003	0.015918	0.001418	0.017494	0	0.012	0.04548	973.6844	4614.952	0	0.712442	14.51737	0	0.198492	0.940788	0	0.010179

ROG_IDLE	ROG_STRE	ROG_HOT	ROG_RUN	ROG_DIU	TOG_RUN	TOG_IDLE	TOG_STRE	TOG_HOT	TOG_RUN	TOG_DIU	NH3_RUN	CO_RUNE		SOx_RUN	SOx_IDLE	SOx_STRE	
X	X	SOAK	LOSS	RN	EX	X	X	SOAK	LOSS	RN	EX	X	CO_IDLEX	CO_STREX	EX	X	X
0	0.000819	0.108975	0.947631	7.720412	1.716331	0	0.000897	0.108975	0.947631	7.720412	0.043906	47.26068	0	5.734078	0.022471	0	0.000559
5.465059	0	0	0	0	0.018517	6.221554	0	0	0	0	0.214647	0.076811	79.53266	0	0.015197	0.119528	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.34238	0	0	0	0	2.138266	18.45503	0	0	0	0	0.706798	12.63915	58.96771	0	0	0	0
0	0.294611	0.088878	0.224997	1.407223	0.014081	0	0.322562	0.088878	0.224997	1.407223	0.035705	0.703638	0	2.901586	0.002877	0	0.000674
0	0	0	0	0	0.040296	0	0	0	0	0	0.0031	0.527307	0	0	0.002397	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.165829	0.041697	0.037395	0.451659	0.00264	0	0.181562	0.041697	0.037395	0.451659	0.019091	0.238252	0	1.270663	0.001447	0	0.00063
0.409368	0.159302	0.04843	0.269482	2.8686	0.057907	0.597349	0.174416	0.04843	0.269482	2.8686	0.044938	1.121592	3.755733	3.083056	0.008516	0.001172	0.000253
0.10976	0	0	0	0	0.217935	0.124954	0	0	0	0	0.164728	0.541227	0.909745	0	0.005929	0.001254	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.406968	0.152585	0.043599	0.234661	2.621891	0.038329	0.593847	0.167061	0.043599	0.234661	2.621891	0.044982	0.869661	3.766765	3.001187	0.009634	0.001359	0.00025
0.10976	0	0	0	0	0.191267	0.124954	0	0	0	0	0.181386	0.437895	0.909745	0	0.007111	0.00199	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.003602	0.252077	0.033544	0.267232	2.743279	0.09708	1.464453	0.275992	0.033544	0.267232	2.743279	0.044987	1.370147	14.36662	5.419463	0.017476	0.005301	0.00045
0.231134	0	0	0	0	0.030152	0.263129	0	0	0	0	0.210423	0.103358	7.500807	0	0.010814	0.021536	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.207425	0	0	0	0	0.727099	14.81605	0	0	0	0	1.06	2.95238	31.01346	0	0	0	0

ONROAD EMFAC Output and Exhaust Emission on Unpaved Road

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: San Diego
Calendar Year: 2025, 2026, 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Region	Calendar Yr	Vehicle Cat	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUN	PM2.5_RUN	PM10_RUN	CO2_RUN	CH4_RUN	N2O_RUN	ROG_RUN	TOG_RUN	CO_RUNEX	SOx_RUN	NH3_RUN	PM10_PMBW	PM2.5_PMBW
San Diego	2025	HHDT	Aggregate	5	Diesel	2357.212	2357.212	0	16.35169	0.090161	0.094237	3420.308	0.024553	0.538871	0.528627	0.601801	1.368635	0.032388	0.150554	0.15362	0.053766868
San Diego	2025	HHDT	Aggregate	10	Diesel	16953.85	16953.85	0	10.03949	0.026359	0.027551	3130.478	0.006954	0.493208	0.149726	0.170452	0.742	0.029644	0.189523	0.147482	0.051618747
San Diego	2025	HHDT	Aggregate	15	Diesel	33763.39	33763.39	0	6.283505	0.01232	0.012877	2529.374	0.002467	0.398504	0.053121	0.060474	0.392014	0.023952	0.199661	0.143482	0.05021866
San Diego	2025	HHDT	Aggregate	20	Diesel	74996.78	74996.78	0	3.841717	0.00667	0.006972	2102.331	0.001156	0.331223	0.024893	0.028339	0.252258	0.019908	0.211213	0.072907	0.025517614
San Diego	2025	HHDT	Aggregate	25	Diesel	40233.97	40233.97	0	3.777796	0.008605	0.008994	1942.835	0.001136	0.306094	0.02445	0.027834	0.213938	0.018397	0.20316	0.136182	0.04766385
San Diego	2025	MHDT	Aggregate	5	Diesel	3016.858	3016.858	0	8.185608	0.054528	0.056994	2360.873	0.013884	0.371956	0.29891	0.340286	0.550205	0.022356	0.160881	0.061496	0.021523557
San Diego	2025	MHDT	Aggregate	10	Diesel	22135.24	22135.24	0	3.58098	0.035129	0.036718	1995.278	0.007538	0.314357	0.162286	0.18475	0.38029	0.018894	0.202072	0.061496	0.021523557
San Diego	2025	MHDT	Aggregate	15	Diesel	36511.65	36511.65	0	2.110483	0.021899	0.022889	1570.266	0.003635	0.247396	0.078263	0.089096	0.240015	0.014869	0.209455	0.061496	0.021523557
San Diego	2025	MHDT	Aggregate	20	Diesel	47510.05	47510.05	0	1.535447	0.013692	0.014312	1336.055	0.001731	0.210496	0.037271	0.04243	0.169711	0.012652	0.212393	0.06063	0.02122057
San Diego	2025	MHDT	Aggregate	25	Diesel	65017.23	65017.23	0	1.283471	0.010572	0.011105	1205.613	0.001235	0.189945	0.026595	0.030276	0.135744	0.011416	0.212263	0.049809	0.017433234

Onroad exhaust EF assuming vehicle travel with speed less than 25 mph on unpaved road

Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	NOx_RUN EX	PM2.5_RUNEX	PM10_RUN NEX	CO2_RUN EX	CH4_RUN EX	N2O_RUN EX	ROG_RUN EX	TOG_RUN EX	CO_RUNE X	SOx_RUN EX	NH3_RUN EX	PM10_PMBW BW	PM2.5_PMBW MBW
2025	HHDT	Aggregate	Aggregate	Diesel	168305.2	5.115808	0.0114	0.011935	2271.898	0.002326	0.357939	0.05008	0.057012	0.336102	0.021514	0.203936	0.110834	0.038792
2025	MHDT	Aggregate	Aggregate	Diesel	174191	1.937039	0.0177	0.018478	1437.979	0.002893	0.226554	0.062296	0.070919	0.205118	0.013617	0.209525	0.056898	0.019914

Conversion

grams per pound	453.59237
pounds per ton	2000
pounds per metric ton	2204.62
days per year	365
grams per short ton	907185
grams per metric ton	1000000
cubic centimeteters per cubic yards	764555
kilowatts per horsepower	0.7457

Constants

Soil Density (g/cm3)	1.55	Queried from map (Soil bulk density for Washington, Oregon, California, Arizona, and New Mexico, USA), databasin.org
Concrete Density (g/cm3)	2.4	Jones, Katrina (1999). "Density of Concrete". The Physics Factbook

Global Warming Potentials for Greenhouse Gases based on a 100-year horizon

Source	CO2 GWP	CH4 GWP	N2O GWP	url
IPCC Fourth Assessment Report (Avg)	1	25	298	https://www.ipcc.ch/report/ar4/wg1/

Construction-Related Energy Consumption

Off-road Equipment Diesel Demand

Equipment	HP	Load Factor	Total Equipment Hours	Horsepower-Hour (hp-hr)	Fuel Usage (gallons/hp-hr)	Fuel (gallons of diesel)
Bore/Drill Rigs	275	0.5	708	194700	0.050516417	9,836
Excavators	302	0.38	1715	517930	0.051215091	26,526
Graders	139	0.41	216	30024	0.051539291	1,547
Off-Highway Trucks	210	0.38	578	121380	0.04893101	5,939
Pavers	81	0.42	60	4860	0.051516537	250
Rollers	36	0.38	180	6480	0.052591665	341
Rough Terrain Forklifts	125	0.4	1042.8576	130357.2	0.052118061	6,794
Rubber Tired Loaders	70	0.36	1495	104650	0.050483385	5,283
Scrapers	407	0.48	252	102564	0.048090652	4,932
Skid Steer Loaders	74	0.37	260.7144	19292.8656	0.055502023	1,071
Tractors/Loaders/Backhoes	275	0.37	476	130900	0.053120784	6,954
Generator Sets	14	0.74	86.9048	1216.6672	0.077638805	94
Pumps	38	0.74	320	12160	0.073353032	892
Total						70,459

Note: Fuel usage calculated from OFFROAD query data. See worksheet OFFROAD_fuel

Off-road Equipment Electricity Demand

Other Equipment	Horsepower	Kilowatts	Total Hours	KWh
Air Compressors	37	27.5909	4345.24	119889.0823
Aerial Lifts	46	34.3022	8169.0512	280216.4281
Concrete/Industrial Saws	33	24.6081	882.1432	21707.86808
Total				421,813

Note: Horsepower are default CalEEMod value. See worksheet Default HP LF.

On-road Vehicle Energy Demand

Vehicle Type	Trip Type	Total VMT	Gallons of Diesel	Gallons of Gasoline	KWh of Electricity
Demolition	Worker	1,293	1	42	40
Site Preparation	Worker	21,187	21	695	662
Grading	Worker	6,895	7	226	216
Building Construction	Worker	599,697	599	19,667	18,749
Architectural Coating	Worker	135,261	135	4,436	4,229
Paving	Worker	22,982	23	754	719
Demolition	Vendor	0	-		
Site Preparation	Vendor	900	147		
Grading	Vendor	0	-		
Building Construction	Vendor	25,484	4,169		
Architectural Coating	Vendor	8,622	1,410		
Paving	Vendor	6,104	999		
Demolition	Haul	600	98		
Site Preparation	Haul	900	147		
Grading	Haul	9,850	1,611		
Building Construction	Haul	4,850	793		
Architectural Coating	Haul	1,000	164		
Paving	Haul	3,750	613		
Total			10,938	25,820	24,615

Note: Energy efficiency specific to vehicle fuel type are from EMFAC dataset. See worksheet EMFAC_energy. For simplification, Project Grand Total Energy Demand

Gallons of Diesel	Gallons of Gasoline	KWh of Electricity
81,398	25,820	446,428

OFFROAD Model Output and Specific Fuel Consumption Calculation

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory

Region Type: Statewide

Region: California

Calendar Year: 2025

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2021 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

							Calculated Specific Fuel Consumption	
Region	Calendar Year	Vehicle Category	Fuel	Fuel Consumption	Total_Activity_h py	Total_Population	Horsepower_Hour s_hhpy	Gallons per Horsepower-hour
Statewide	2025	Construction and Mining - Bore/Drill Rigs	Diesel	4771207.668	839659.9696	1443.423611	94448655.98	Bore/Drill Rigs 0.0505
Statewide	2025	Construction and Mining - Excavators	Diesel	39160627.08	13199289.39	22804.32297	764630632.6	Excavators 0.0512
Statewide	2025	Construction and Mining - Graders	Diesel	5730691.606	1289147.848	3540.383531	111190734.1	Graders 0.0515
Statewide	2025	Construction and Mining - Off-Highway Trucks	Diesel	16309908.73	1904053.321	2458.510115	333324587.8	Off-Highway Trucks 0.0489
Statewide	2025	Construction and Mining - Pavers	Diesel	2521012.914	776244.4305	1603.114977	48935993.71	Pavers 0.0515
Statewide	2025	Construction and Mining - Rollers	Diesel	6664793.099	3545251.263	8093.146289	126727173.9	Rollers 0.0526
Statewide	2025	Construction and Mining - Rough Terrain Forklifts	Diesel	8266956.923	3765036.706	9232.466677	158619809.5	Rough Terrain Forklifts 0.0521
Statewide	2025	Construction and Mining - Rubber Tired Dozers	Diesel	1431129.396	266076.1486	503.1498581	30157748.03	Rubber Tired Dozers 0.0475
Statewide	2025	Construction and Mining - Rubber Tired Loaders	Diesel	28574684.69	7261867.633	10608.196	566021571	Rubber Tired Loaders 0.0505
Statewide	2025	Construction and Mining - Scrapers	Diesel	14760481.98	1680258.23	5318.633188	306930380	Scrapers 0.0481
Statewide	2025	Construction and Mining - Skid Steer Loaders	Diesel	13545064.65	8954081.359	19729.50023	244046324	Skid Steer Loaders 0.0555
Statewide	2025	Construction and Mining - Tractors/Loaders/Backhoes	Diesel	38306100.22	17473200.56	34055.39937	721113232.5	Tractors/Loaders/Backhoes 0.0531
Statewide	2025	Light Commercial - Misc - Generator Sets	Diesel	4619238.616	1802924.8	15726.80979	59496518.4	Generator Sets 0.0776
Statewide	2025	Light Commercial - Misc - Pumps	Diesel	2554227.523	941108.7	8189.411973	34821021.9	Pumps 0.0734

ONROAD Model Output and Energy Efficiency Calculation

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Statewide
Region: California
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Consumption	Fuel Consumption	KWh per	
													Gallons per mile	mile
Statewide	2025	HHDT	Aggregate	Aggregate	Gasoline	126.6603815	2856125.265	2856125.265	0	828690.2388	0	731.486838	0.256111609	
Statewide	2025	HHDT	Aggregate	Aggregate	Diesel	315961.6421	13567953720	13567953720	0	1603491713	0	2219593.24	0.163590862	
Statewide	2025	HHDT	Aggregate	Aggregate	Electricity	2016.602043	75367156.41	0	75367156.41	9281081.049	137234693.2	0		1.820882
Statewide	2025	HHDT	Aggregate	Aggregate	Natural Ga	18819.84091	380438381.3	380438381.3	0	42158224.21	0	68147.9906	0.179130167	
Statewide	2025	LDA	Aggregate	Aggregate	Gasoline	12837662.63	1.74823E+11	1.74823E+11	0	20639903589	0	5835115.5	0.033377275	
Statewide	2025	LDA	Aggregate	Aggregate	Diesel	42627.74547	439606135.4	439606135.4	0	61856327.83	0	10421.0256	0.023705369	
Statewide	2025	LDA	Aggregate	Aggregate	Electricity	792351.2526	13224513672	0	13224513672	1364130228	5105753756	0		0.386083
Statewide	2025	LDA	Aggregate	Aggregate	Plug-in Hyt	383663.1494	6181546256	2982740241	3198806015	550497151.6	966134756.3	103644.796	0.03474818	0.30203
Statewide	2025	LDT1	Aggregate	Aggregate	Gasoline	1284221.585	15166498680	15166498680	0	1938908410	0	612727.449	0.04040006	
Statewide	2025	LDT1	Aggregate	Aggregate	Diesel	610.9429377	2934857.51	2934857.51	0	593416.9239	0	123.506623	0.042082664	
Statewide	2025	LDT1	Aggregate	Aggregate	Electricity	3472.828315	53526035.77	0	53526035.77	5799515.755	20665467.55	0		0.386083
Statewide	2025	LDT1	Aggregate	Aggregate	Plug-in Hyt	2255.842729	39689920.22	17215935.53	22473984.68	3236784.661	6787813.206	602.511166	0.034997295	0.30203
Statewide	2025	LDT2	Aggregate	Aggregate	Gasoline	6307223.657	87192656693	87192656693	0	10220613006	0	3569404.55	0.040936986	
Statewide	2025	LDT2	Aggregate	Aggregate	Diesel	22395.20738	321461220.2	321461220.2	0	37007576.78	0	9857.9929	0.030666196	
Statewide	2025	LDT2	Aggregate	Aggregate	Electricity	47977.69378	598468680	0	598468680	84748119.03	231058304.8	0		0.386083
Statewide	2025	LDT2	Aggregate	Aggregate	Plug-in Hyt	57212.95714	962031615.8	437815495.2	524216120.7	82091725.48	158328892.6	15355.1125	0.035072108	0.30203
Statewide	2025	MHDT	Aggregate	Aggregate	Gasoline	47979.48043	846727728.3	846727728.3	0	313911316.3	0	168696.65	0.199233643	
Statewide	2025	MHDT	Aggregate	Aggregate	Diesel	283391.9198	3828957501	3828957501	0	1056911936	0	437252.787	0.114196302	
Statewide	2025	MHDT	Aggregate	Aggregate	Electricity	2457.805048	42973435.21	0	42973435.21	9940758.162	46191256.47	0		1.074879
Statewide	2025	MHDT	Aggregate	Aggregate	Natural Ga	3268.742096	48227573.13	48227573.13	0	8986490.192	0	6270.60469	0.130021153	

Onroad Vehicle Energy Efficiency			
Fleet	Gasoline (gallon/mi)	Diesel (gallon/mi)	Electricity (KWh/mi)
Worker	0.037022899	0.0300399	0.386082534
Vendor	0.227672626	0.138893582	
Haul	0.256111609	0.163590862	

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 50% MHDT and 50% HHDT. Haul trips are assumed to be 100% HHDT.

CSU IS&E Buildings 2028 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	CSU IS&E Buildings 2028
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	9.80
Location	33.13005497738568, -117.15730590470554
County	San Diego
City	San Marcos
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6292
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
University/College (4yr)	350	Student	2.46	125,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.24	4.83	1.93	15.6	0.03	0.11	2.25	2.35	0.10	0.57	0.67	12.8	3,786	3,798	1.49	0.09	7.43	3,871
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.26	3.92	1.96	9.47	0.03	0.10	2.25	2.34	0.10	0.57	0.67	12.8	3,651	3,663	1.49	0.10	0.66	3,731
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.72	4.35	1.97	12.2	0.03	0.10	2.23	2.34	0.10	0.57	0.67	12.8	3,679	3,692	1.49	0.10	3.48	3,761
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.31	0.79	0.36	2.22	0.01	0.02	0.41	0.43	0.02	0.10	0.12	2.11	609	611	0.25	0.02	0.58	623

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.16	1.05	0.84	9.32	0.02	0.02	2.25	2.27	0.02	0.57	0.59	—	2,512	2,512	0.10	0.09	6.95	2,548
Area	0.97	3.73	0.05	5.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.4	22.4	< 0.005	< 0.005	—	22.4
Energy	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Water	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Waste	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Total	2.24	4.83	1.93	15.6	0.03	0.11	2.25	2.35	0.10	0.57	0.67	12.8	3,786	3,798	1.49	0.09	7.43	3,871
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.14	1.03	0.92	8.59	0.02	0.02	2.25	2.27	0.02	0.57	0.59	—	2,400	2,400	0.10	0.09	0.18	2,430
Area	—	2.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Water	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Waste	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Total	1.26	3.92	1.96	9.47	0.03	0.10	2.25	2.34	0.10	0.57	0.67	12.8	3,651	3,663	1.49	0.10	0.66	3,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.13	1.02	0.91	8.63	0.02	0.02	2.23	2.25	0.02	0.57	0.58	—	2,417	2,417	0.10	0.09	3.00	2,450
Area	0.48	3.27	0.02	2.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Energy	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Water	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Waste	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Total	1.72	4.35	1.97	12.2	0.03	0.10	2.23	2.34	0.10	0.57	0.67	12.8	3,679	3,692	1.49	0.10	3.48	3,761
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.21	0.19	0.17	1.58	< 0.005	< 0.005	0.41	0.41	< 0.005	0.10	0.11	—	400	400	0.02	0.02	0.50	406
Area	0.09	0.60	< 0.005	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.83

Energy	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	206	206	0.02	< 0.005	—	206
Water	—	—	—	—	—	—	—	—	—	—	—	0.24	1.18	1.41	0.02	< 0.005	—	2.20
Waste	—	—	—	—	—	—	—	—	—	—	—	1.87	0.00	1.87	0.19	0.00	—	6.56
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Total	0.31	0.79	0.36	2.22	0.01	0.02	0.41	0.43	0.02	0.10	0.12	2.11	609	611	0.25	0.02	0.58	623

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Total	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Total	0.11	0.06	1.04	0.88	0.01	0.08	—	0.08	0.08	—	0.08	—	1,244	1,244	0.11	< 0.005	—	1,247
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	206	206	0.02	< 0.005	—	206
Total	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	206	206	0.02	< 0.005	—	206

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.97	0.89	0.05	5.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.4	22.4	< 0.005	< 0.005	—	22.4
Total	0.97	3.73	0.05	5.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	22.4	22.4	< 0.005	< 0.005	—	22.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.09	0.08	< 0.005	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.83
Total	0.09	0.60	< 0.005	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.83	1.83	< 0.005	< 0.005	—	1.83

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Universit y/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Universit y/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	1.44	7.10	8.54	0.15	< 0.005	—	13.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Universit y/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.24	1.18	1.41	0.02	< 0.005	—	2.20
Total	—	—	—	—	—	—	—	—	—	—	—	0.24	1.18	1.41	0.02	< 0.005	—	2.20

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	—	11.3	0.00	11.3	1.13	0.00	—	39.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.87	0.00	1.87	0.19	0.00	—	6.56
Total	—	—	—	—	—	—	—	—	—	—	—	1.87	0.00	1.87	0.19	0.00	—	6.56

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	255	255	255	93,200	3,183	3,183	3,183	1,161,933

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	187,500	62,500	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
University/College (4yr)	0.00	508	0.0000	0.0000	3,880,917

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
University/College (4yr)	749,385	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
University/College (4yr)	21.0	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.7	annual days of extreme heat
Extreme Precipitation	5.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	10.5	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	45.0
AQ-PM	13.0
AQ-DPM	26.6

Drinking Water	42.5
Lead Risk Housing	8.67
Pesticides	45.5
Toxic Releases	15.2
Traffic	47.6
Effect Indicators	—
CleanUp Sites	64.7
Groundwater	64.2
Haz Waste Facilities/Generators	89.2
Impaired Water Bodies	96.3
Solid Waste	66.7
Sensitive Population	—
Asthma	4.85
Cardio-vascular	24.9
Low Birth Weights	51.3
Socioeconomic Factor Indicators	—
Education	15.8
Housing	76.0
Linguistic	24.8
Poverty	42.6
Unemployment	26.9

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	51.4307712

Employed	45.27139741
Median HI	41.7425895
Education	—
Bachelor's or higher	62.78711664
High school enrollment	100
Preschool enrollment	58.10342615
Transportation	—
Auto Access	68.11240857
Active commuting	53.07327088
Social	—
2-parent households	7.301424355
Voting	59.822918
Neighborhood	—
Alcohol availability	92.87822405
Park access	48.03028359
Retail density	31.46413448
Supermarket access	39.13768767
Tree canopy	56.26844604
Housing	—
Homeownership	52.53432568
Housing habitability	41.44745284
Low-inc homeowner severe housing cost burden	15.62941101
Low-inc renter severe housing cost burden	33.7482356
Uncrowded housing	68.66418581
Health Outcomes	—
Insured adults	60.27203901
Arthritis	0.0

Asthma ER Admissions	98.8
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	69.2
Cognitively Disabled	43.0
Physically Disabled	68.4
Heart Attack ER Admissions	99.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	62.4
SLR Inundation Area	0.0
Children	81.0
Elderly	49.5
English Speaking	57.5

Foreign-born	12.3
Outdoor Workers	84.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	77.2
Traffic Density	67.0
Traffic Access	23.0
Other Indices	—
Hardship	28.4
Other Decision Support	—
2016 Voting	74.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	34.0
Healthy Places Index Score for Project Location (b)	51.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	2022 power content label. not adjusted for future years. https://www.sdge.com/sites/default/files/documents/16402%20SDGE_PCL_Sept23.01.pdf
Land Use	350 students, 125 tsf building, 2.46 acre site
Operations: Energy Use	default NG for 125 tsf = 7,761,834.82 kbtu. Building 1A will use no NG, Building 1B will use NG for lab uses. Assuming 1/2 of default NG for conservative purposes, revised NG 3,880,917.41 kbtu. Electricity assumed to be zero because project would receive power solar, either on-site or elsewhere on campus per Sustainability Master Plan.
Operations: Solid Waste	generation rate revised per student and staff generation rates in utility section

Appendix B

Special-Status Species Lists



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Query Criteria: Quad> IS >(San Marcos (3311722)> OR >Encinitas (3311713)> OR >Rancho Santa Fe (3311712)> OR >Escondido (3311711)> OR >Valley Center (3311721)> OR >Pala (3311731)> OR >Bonsall (3311732)> OR >Morro Hill (3311733)> OR >San Luis Rey (3311723))

Anaxyrus californicus				Element Code: AAABB01230	
arroyo toad					
Listing Status:	Federal:	Endangered	CNDDDB Element Ranks:	Global:	G2G3
	State:	None		State:	S2
	Other:	CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered			
Habitat:	General:	SEMI-ARID REGIONS NEAR WASHES OR INTERMITTENT STREAMS, INCLUDING VALLEY-FOOTHILL AND DESERT RIPARIAN, DESERT WASH, ETC.			
	Micro:	RIVERS WITH SANDY BANKS, WILLOWS, COTTONWOODS, AND SYCAMORES; LOOSE, GRAVELLY AREAS OF STREAMS IN DRIER PARTS OF RANGE.			
Occurrence No.	36	Map Index: 36002	EO Index:	31004	Element Last Seen: 1997-03-03
Occ. Rank:	Poor		Presence:	Presumed Extant	Site Last Seen: 1997-03-03
Occ. Type:	Natural/Native occurrence		Trend:	Unknown	Record Last Updated: 2003-06-19
Quad Summary:	Bonsall (3311732)				
County Summary:	San Diego				
Lat/Long:	33.32011 / -117.19878			Accuracy:	1/10 mile
UTM:	Zone-11 N3686793 E481498			Elevation (ft):	300
PLSS:	T10S, R03W, Sec. 09 (S)			Acres:	0.0
Location:	0.5 MILE NNW OF THE INTERSECTION OF GIRD ROAD AND HWY 76, NORTH OF SAN LUIS REY RIVER.				
Detailed Location:	LOCATED ON THE EAST SIDE, ALONG THE UNVEGETATED SHORE OF A RESERVOIR BORDERED BY DISKED AGRICULTURAL FIELDS.				
Ecological:	HABITAT CONSISTS OF A MAN-MADE RESERVOIR BORDERED BY AGRICULTURAL FIELDS.				
General:	1 JUVENILE TOAD OBSERVED ON 3 MARCH 1997.				
Owner/Manager:	PVT				
Occurrence No.	39	Map Index: 38441	EO Index:	33448	Element Last Seen: 1996-06-24
Occ. Rank:	Poor		Presence:	Presumed Extant	Site Last Seen: 1996-06-24
Occ. Type:	Natural/Native occurrence		Trend:	Unknown	Record Last Updated: 2002-12-05
Quad Summary:	Bonsall (3311732)				
County Summary:	San Diego				
Lat/Long:	33.32448 / -117.15853			Accuracy:	specific area
UTM:	Zone-11 N3687270 E485245			Elevation (ft):	225
PLSS:	T10S, R03W, Sec. 11 (S)			Acres:	10.8
Location:	SAN LUIS REY RIVER, JUST EAST OF HWY 395, 0.5 MILE SOUTH OF HWY 76.				
Detailed Location:	2002 TOAD WAS OBSERVED ALONG THESAN LUIS REY RIVER BANK. 1928 INFO INDICATED HABITAT EXCELLENT FROM PALA TO BONSTALL.				
Ecological:	HABITAT CONSISTS OF WILLOW RIPARIAN CONTAINING A LOT OF EXOTIC PLANTS (ARRUNDO, TAMARISK, AND CASTOR BEAN).				
General:	23 ADULT SPECIMENS COLLECTED SOMEWHERE BETWEEN BONSTALL AND EAST OF PALA 8/4/1928 (INFO ADDED TO OCC'S 41 & 42). 1 JUVENILE TOAD OBSERVED ON 24 JUNE 1996.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	41	Map Index:	40827	EO Index:	40827	Element Last Seen:	2000-05-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-18
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36305 / -117.06938				Accuracy:	specific area	
UTM:	Zone-11 N3691537 E493545				Elevation (ft):	400	
PLSS:	T09S, R02W, Sec. 27 (S)				Acres:	149.5	
Location:	SAN LUIS REY RIVER, SOUTH OF HIGHWAY 76, APPROXIMATELY 5 MILES EAST OF I-15, PALA INDIAN RESERVATION.						
Detailed Location:	1928 INFO INDICATES HABITAT EXCELLENT FROM PALA TO BONSALE. 2000: SURVEYS CONDUCTED AT WEST END OF OCCURRENCE.						
Ecological:	HABITAT CONSISTS OF RIPARIAN SCRUB/WOODLAND IN AN OPEN CHANNEL; ADJACENT UPLANDS ARE MADE UP OF OAK WOODLANDS AND COASTAL SAGE SCRUB. THE RIVER CHANNEL WAS DRY DURING MAY 2000. CANALS MAINTAINED WATER 1 TO 3 INCHES DEEP THROUGHOUT MAY.						
General:	23 ADULTS COLLECTED SOMEWHERE BETWEEN BONSALE & EAST OF PALA 8/4/1928 (INFO ADDED TO OCC'S 39, 42). 14 ADULTS OBS ON 13, 18, & 25 MAY 1998. 31 ADULTS & 12 JUVENILES DETECTED 3-30 MAY 2000 (ALSO OCC #74); NO OBVIOUS RECRUITMENT YEAR 2000.						
Owner/Manager:	BIA-PALA RES, PVT						

Occurrence No.	42	Map Index:	40828	EO Index:	40828	Element Last Seen:	1998-05-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2000-11-06
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34574 / -117.11466				Accuracy:	specific area	
UTM:	Zone-11 N3689622 E489330				Elevation (ft):	300	
PLSS:	T09S, R02W, Sec. 32 (S)				Acres:	14.7	
Location:	SAN LUIS REY RIVER, ALONG HIGHWAY 76, APPROXIMATELY 3 MILES EAST OF I-15.						
Detailed Location:	SITE IS LOCATED AT THE (PROPOSED) GREGORY CANYON LANDFILL. 1928 INFO INDICATES HABITAT EXCELLENT FROM PALA TO BONSALE.						
Ecological:	HABITAT CONSISTS OF RIPARIAN SCRUB/WOODLAND IN AN OPEN CHANNEL; ADJACENT UPLANDS ARE MADE UP OF NON-NATIVE GRASSLAND, DISTURBED HABITAT, AND COASTAL SAGE SCRUB. ACTIVE DAIRY/CATTLE FARMING EXISTS ON ADJACENT UPLANDS.						
General:	2 ADULTS OBSERVED DURING SURVEYS CONDUCTED ON 17, 20, AND 27 MAY 1998. 23 ADULT SPECIMENS COLLECTED SOMEWHERE BETWEEN BOSELL AND EAST OF PALA 8/4/1928 (INFO ADDED TO OCC'S 39 & 41).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	60	Map Index:	44220	EO Index:	44220	Element Last Seen:	2010-05-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-06-30
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36138 / -117.32345			Accuracy:	non-specific area		
UTM:	Zone-11 N3691397 E469908			Elevation (ft):	140		
PLSS:	T09S, R04W, Sec. 29 (S)			Acres:	124.0		
Location:	SANTA MARGARITA RIVER AND DE LUZ CREEK CONFLUENCE AREA, ~2 MILES NORTH OF O'NEILL LAKE, CAMP PENDLETON MARINE CORP BASE.						
Detailed Location:	2010 DATA MAPPED TO PROVIDED COORDINATES.						
Ecological:	BANK VEGETATION DOMINATED BY MULEFAT, WILLOW, CATTAILS AS OF 2010. TOAD'S WERE OBSERVED FORAGING & VOCALIZING.						
General:	5 ADULTS OBSERVED BY SLATER BUCK BETWEEN 13-15 APR 1993; POTENTIAL POPULATION ESTIMATE OF 100+. 15 ADULTS DETECTED ON 3 MAY 2010.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	74	Map Index:	51577	EO Index:	51577	Element Last Seen:	2000-05-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-18
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36017 / -117.09804			Accuracy:	specific area		
UTM:	Zone-11 N3691220 E490879			Elevation (ft):	340		
PLSS:	T09S, R02W, Sec. 28 (S)			Acres:	103.4		
Location:	SAN LUIS REY RIVER, SOUTH OF HIGHWAY 76 AND APPROXIMATELY 1.3 MILES WSW OF PALA.						
Detailed Location:	SPECIES OBSERVED ALONG DIRT ROADS, VICINITY OF SMALL POND AND AT A NURSERY.						
Ecological:	HABITAT CONSISTS OF RIPARIAN FOREST AND SOUTHERN WILLOW SCRUB WITHIN RIVER BED AND THE LOWER FLOODPLAIN. RIVER CHANNEL WAS DRY DURING MAY 2000. CANALS MAINTAINED WATER 1 TO 3 INCHES DEEP THROUGHOUT MAY.						
General:	MINIMUM OF 31 ADULTS & 12 JUVENILES DETECTED 3-30 MAY 2000 (ALSO OCC #41); NO OBVIOUS RECRUITMENT FOR YEAR 2000. SITE HAS EXPERIENCED REDUCED WATER FLOW RESULTING FROM LOW RAINFALL AND LOWERING OF GROUND TABLE.						
Owner/Manager:	PVT						



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Occurrence No.	78	Map Index:	54367	EO Index:	54367	Element Last Seen:	2001-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-06-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-02-09
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31853 / -117.15307				Accuracy:	non-specific area	
UTM:	Zone-11 N3686610 E485751				Elevation (ft):	250	
PLSS:	T10S, R03W, Sec. 12 (S)				Acres:	38.3	
Location:	KEYS CREEK, SOUTH OF DUNLIN ROAD, EAST OF I-15, AND WEST OF LANCASTER MOUNTAIN, EAST OF BONSALE.						
Detailed Location:							
Ecological:	HABITAT SURROUNDING THE CREEK CONSISTS OF NON-NATIVE GRASSLAND, SOUTHERN WILLOW SCRUB, COAST LIVE OAK WOODLAND, DIEGAN COASTAL SAGE SCRUB, AND SOUTHERN MIXED CHAPARRAL.						
General:	6 SURVEYS CONDUCTED (18 APR, 26 APR, 9 MAY, 23 MAY, 1 JUN, AND 16 JUN 2001); INDIVIDUAL ADULT MALES HEARD CALLING ON 18 APR, 26 APR, AND 9 MAY 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	101	Map Index:	71176	EO Index:	72092	Element Last Seen:	2000-05-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29641 / -117.36406				Accuracy:	1/10 mile	
UTM:	Zone-11 N3684207 E466105				Elevation (ft):	60	
PLSS:	T10S, R05W, Sec. 24 (S)				Acres:	0.0	
Location:	FUEL FARM, CAMP PENDELTON MCB.						
Detailed Location:	LOCATION IS ADJACENT TO THE SANTA MARGARITA RIVER.						
Ecological:	AREA IS A TEMPORARY VAN PAD LOCATION FOR NEW FUEL FARM.						
General:	2 ARTO (1 ADULT FEMALE, 1 JUVENILE) OBSERVED ON 27 APR & 1 ADULT FEMALE OBSERVED ON 1 MAY 2000 FORAGING IN AREAS CLEARLY LIT BY THE FUEL FARM SECURITY LIGHTS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	103	Map Index:	71178	EO Index:	72094	Element Last Seen:	2000-02-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30485 / -117.35697			Accuracy:	1/10 mile		
UTM:	Zone-11 N3685140 E466767			Elevation (ft):	60		
PLSS:	T10S, R05W, Sec. 13 (S)			Acres:	0.0		
Location:	NW OF THE LANDING FIELD, CAMP PENDELTON MCB.						
Detailed Location:	LOCATION IS NW OF THE LANDING FIELD AND SW OF THE SANTA MARGARITA RIVER, WEST OF THE ORDNANCE AREA.						
Ecological:							
General:	2 ARTO (ADULT FEMALES) OBSERVED ON 26 FEB 2000. BOTH TOADS FOUND ON A HARD PACKED DIRT ROAD. 1 ADULT FEMALE OBSERVED ON 27 APR & 1 UNK SEX OBSERVED ON 13 MAY 2000, BOTH FOUND BY SAND LOT. 1 FEMALE OBS ON 5 MAY 2000 ON PERIMETER RD.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						
Occurrence No.	104	Map Index:	71180	EO Index:	72095	Element Last Seen:	2000-05-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29893 / -117.36055			Accuracy:	non-specific area		
UTM:	Zone-11 N3684485 E466432			Elevation (ft):	60		
PLSS:	T10S, R05W, Sec. 24 (S)			Acres:	9.0		
Location:	EAST OF THE NEW FUEL FARM, CAMP PENDELTON MCB.						
Detailed Location:							
Ecological:							
General:	1 ARTO WAS FOUND ON ASPHALT, ABOUT 14" FROM DIRT ON 13 MAY 2000.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						
Occurrence No.	105	Map Index:	71181	EO Index:	72096	Element Last Seen:	2000-04-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31682 / -117.33853			Accuracy:	80 meters		
UTM:	Zone-11 N3686462 E468489			Elevation (ft):	90		
PLSS:	T10S, R04W, Sec. 07 (S)			Acres:	0.0		
Location:	SANTA MARGARITA RIVER, 0.61 MI UPSTREAM FROM BASILONE BRIDGE, CAMP PENDELTON MCB.						
Detailed Location:							
Ecological:	THE POOL HAD A MAXIMUM DEPTH OF 18" AND WAS 60 DEG F.						
General:	ABOUT 1500 TADPOLES WERE OBSERVED IN A SMALL BACKWATER POOL ON 16 APR 2000.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



Occurrence No.	128	Map Index:	82570	EO Index:	83624	Element Last Seen:	2010-03-31
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2010-03-31
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2011-05-31
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31109 / -117.34771			Accuracy:	1/10 mile		
UTM:	Zone-11 N3685829 E467632			Elevation (ft):	78		
PLSS:	T10S, R04W, Sec. 18, NW (S)			Acres:	0.0		
Location:	JUST W OF BASILONE RD AT SANTA MARGARITA RIVER, 0.3 MI WNW OF HOME RANCH, 0.5 MI N OF RANCH HOUSE, CAMP PENDLETON.						
Detailed Location:	MAPPED GENERALLY TO PROVIDED COORDINATES; IT WAS NOT CLEAR IF ALL 33+ TOADS AND EGG MASSES WERE OBSERVED AT THIS SINGLE POINT LOCATION.						
Ecological:	BANK VEGETATION DOMINATED BY MULEFAT, WILLOW, CATTAILS. TOAD'S FORAGING, COPULATING, & VOCALIZING BEHAVIORS OBSERVED.						
General:	25 ADULTS, 8 LARVAE, & 6 EGG MASSES OBS IN THE VICINITY ON 31 MAR 2010.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Spea hammondi</i>		Element Code: AAABF02020	
western spadefoot			
Listing Status:	Federal:	Proposed Threatened	CNDDDB Element Ranks:
	State:	None	Global: G2G3
	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	
Habitat:	General:	OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.	
	Micro:	VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.	

Occurrence No.	49	Map Index:	33153	EO Index:	21453	Element Last Seen:	1995-03-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-05-12
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04669 / -117.01507				Accuracy:	80 meters	
UTM:	Zone-11 N3656463 E498593				Elevation (ft):	1150	
PLSS:	T13S, R01W, Sec. 18, NE (S)				Acres:	0.0	
Location:	1.6 MILES WSW OF STARVATION MOUNTAIN, ABOUT 1.5 MILES SOUTH OF HIGHLAND VALLEY.						
Detailed Location:	TADPOLES FOUND IN A DITCH ON TOP OF A CONSTRUCTION PAD; NO OTHER PONDS IN THE VICINITY.						
Ecological:	CONSTRUCTION PAD MOSTLY DEVOID OF PLANTS; ADJACENT AREAS SUPPORT DIEGAN COASTAL SAGE SCRUB.						
General:	~100 TADPOLES OBSERVED ON 16 MARCH 1995, IN A SITE THAT HAD BEEN LEVELED FOR ROAD CONSTRUCTION; NO OTHER OBVIOUS BREEDING AREAS WERE OBSERVED NEARBY.						
Owner/Manager:	PVT						



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Occurrence No.	75	Map Index:	33282	EO Index:	1628	Element Last Seen:	1995-04-13
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1995-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-30
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05387 / -117.01428				Accuracy:	80 meters	
UTM:	Zone-11 N3657259 E498666				Elevation (ft):	950	
PLSS:	T13S, R01W, Sec. 08, SW (S)				Acres:	0.0	
Location:	EAST SIDE OF OLD COACH WAY, 0.8 MILE SOUTH OF HIGHLAND VALLEY ROAD, 3 MILES NE OF RANCHO BERNARDO.						
Detailed Location:	LOCATED IN A ROADSIDE DITCH MEASURING ABOUT 1 METER X 30 CM.						
Ecological:	HABITAT CONSISTS OF A VERY SHALLOW (<10 CM), UNNATURAL DEPRESSION (TIRE RUT?) SURROUNDED BY NON-NATIVE GRASSLAND.						
General:	ABOUT 20 VERY SMALL TADPOLES WERE OBSERVED ON 13 APRIL 1995; BY THE FOLLOWING WEEK, THE WATER WAS COMPLETELY DRIED UP.						
Owner/Manager:	PVT						

Occurrence No.	122	Map Index:	36138	EO Index:	31135	Element Last Seen:	1997-04-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-04-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-07-16
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24349 / -117.14645				Accuracy:	80 meters	
UTM:	Zone-11 N3678290 E486357				Elevation (ft):	460	
PLSS:	T11S, R03W, Sec. 01, SE (S)				Acres:	0.0	
Location:	SOUTH FORK OF MOOSA CREEK, EAST SIDE OF I-15, 6 MILES NORTH OF ESCONDIDO.						
Detailed Location:							
Ecological:	SITE IS LOCATED IN AN OPEN, SANDY WASH IN SOUTHERN WILLOW SCRUB HABITAT, DOMINATED BY SALIX SPP, BACCHARIS GLUTINOSA, & RUMEX SALICIFOLIUS. OAK WOODLAND HABITAT NEARBY. ADJACENT UPLAND DISTURBED. BUFO BOREAS & HYLIA REGILLA ALSO BREED HERE.						
General:	2 ADULTS OBSERVED ON 23 APRIL 1997.						
Owner/Manager:	PVT						



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Occurrence No.	252	Map Index:	51227	EO Index:	51227	Element Last Seen:	2004-02-24
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2004-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-03-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.11991 / -117.11754			Accuracy:	80 meters		
UTM:	Zone-11 N3664587 E489035			Elevation (ft):	752		
PLSS:	T12S, R02W, Sec. 20, NW (S)			Acres:	5.0		
Location:	ABOUT 0.28 AIR MILE S OF AUTO PARK WAY INTERSECTION WITH CITRACADO PARKWAY, WEST ESCONDIDO.						
Detailed Location:	MAPPED TO COORDINATES AND MAPS PROVIDED. SOUTH OF AUTO PARK WAY (VINEYARD AVE).						
Ecological:	SITE WAS DEVELOPED AS SAN DIEGO GAS & ELECTRIC PALOMAR ENERGY CENTER AROUND 2004. PAST HABITAT CONSISTED OF SEASONAL PONDS IN DISTURBED/RUDERAL LAND.						
General:	DETECTED BETWEEN 15 MAR AND 28 APR DURING 1998 QUINO CHECKERSPOT SURVEY. DETECTED IN JUL 1999 AND IN APR 2001 DURING CALIFORNIA GNATCATCHER SURVEYS. 2 ADULTS FOUND DEAD ON 24 FEB 2004 (PREYED UPON PRESUMABLE BY RACCOONS).						
Owner/Manager:	PVT-SDGE						
Occurrence No.	271	Map Index:	52735	EO Index:	52735	Element Last Seen:	1999-06-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-15
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37526 / -117.34962			Accuracy:	80 meters		
UTM:	Zone-11 N3692944 E467478			Elevation (ft):	850		
PLSS:	T09S, R05W, Sec. 24, SE (S)			Acres:	0.0		
Location:	ABOUT 1.9 MILES NE OF INTERSECTION OF BASILONE RD & ROBLAR RD, ABOUT 0.6 MI SOUTH OF FIRING RANGE, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAY 25. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	1 CAPTURED IN 1 PIT-FALL TRAP ARRAY AND COLLECTED ON 6 JUN 1999. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 CAMP PENDLETON PIT-FALL TRAP ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	294	Map Index:	56345	EO Index:	56361	Element Last Seen:	2003-03-11
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-03-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-08-09
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07574 / -117.17702				Accuracy:	80 meters	
UTM:	Zone-11 N3659698 E483476				Elevation (ft):	560	
PLSS:	T13S, R03W, Sec. 03, NE (S)				Acres:	0.0	
Location:	UPPER END OF AN UNNAMED TRIBUTARY TO ESCONDIDO CREEK, 6 MILES SW OF ESCONDIDO.						
Detailed Location:	POND ON A 6.16 ACRE PARCEL OF VACANT LAND AT 20090 ELFIN FOREST LANE.						
Ecological:	HABITAT CONSISTS OF A SMALL SEASONAL POND FORMERLY LOCATED NEAR NW CORNER OF THE PARCEL/PROPERTY. VEGETATION INCLUDED VARIOUS HYDROPHYTES, INCLUDING IRIS-LEAF RUSH, COMMON TOAD RUSH, WIRE RUSH, OTHERS. NATIVE GRASSLAND ADJOINS THIS SITE.						
General:	ESTIMATED 1000 TADPOLES OBSERVED ON 4 AND 11 MAR 2003; BY 18 MAR 2003, THEY HAD ALL BEEN PREYED UPON BY LOCAL KILLDEER.						
Owner/Manager:	PVT						

Occurrence No.	653	Map Index:	B2043	EO Index:	113968	Element Last Seen:	2016-03-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-03-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09949 / -117.15286				Accuracy:	80 meters	
UTM:	Zone-11 N3662327 E485737				Elevation (ft):	1315	
PLSS:	T12S, R03W, Sec. 25, SW (S)				Acres:	5.0	
Location:	0.5 AIR MILE SSE OF FRANKS POINT AND 1 MILE W OF HARMONY GROVE, ESCONDIDO CREEK PRESERVE, WEST ESCONDIDO.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:							
General:	1 ADULT CAUGHT AND RELEASED ON 28 MAR 2016.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	654	Map Index:	B2046	EO Index:	113972	Element Last Seen:	2003-XX-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX	Record Last Updated:	2019-02-20
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10041 / -117.23407			Accuracy:	specific area		
UTM:	Zone-11 N3662443 E478159			Elevation (ft):	533		
PLSS:	T12S, R03W, Sec. 30, SE (S)			Acres:	10.0		
Location:	0.7 AIR MILE W OF SAN ELIJO RD AND RANCHO SANTA FE RD INTERSECTION, LA COSTA PRESERVE, SOUTHWEST CARLSBAD.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:							
General:	DETECTED IN 2003.						
Owner/Manager:	PVT-RANCHO LA COSTA PRESERVE						

Occurrence No.	655	Map Index:	B2063	EO Index:	113989	Element Last Seen:	1966-05-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1966-05-08	Record Last Updated:	2019-02-21
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04654 / -117.23438			Accuracy:	1 mile		
UTM:	Zone-11 N3656471 E478117			Elevation (ft):	128		
PLSS:	T13S, R03W, Sec. 18 (S)			Acres:	1987.0		
Location:	VICINITY OF OLIVENHAIN, EAST ENCINITAS.						
Detailed Location:	GIVEN LOCALITY "OLIVENHEIN," EXACT LOCATION UNKNOWN.						
Ecological:	IN THE EARLY 1960S THIS AREA WAS PRIMARILY OPEN SPACE, AGRICULTURE/ORCHARDS, AND SPARSE HOUSING. BY THE LATE 1970S MUCH OF THIS AREA WAS CONVERTED TO RESIDENTIAL DEVELOPMENT, AND EXTENSIVELY DEVELOPED BY THE 1990S.						
General:	2 COLLECTED IN 1966. NEEDS MODERN FIELD RESEARCH AND REPORTING; MAY POTENTIALLY STILL BE PRESENT ALONG ESCONDIDO CREEK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	656	Map Index:	B2066	EO Index:	113991	Element Last Seen:	2007-07-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-07-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02044 / -117.17054				Accuracy:	1/5 mile	
UTM:	Zone-11 N3653566 E484073				Elevation (ft):	315	
PLSS:	T13S, R03W, Sec. 27, NE (S)				Acres:	70.0	
Location:	ON NORTHSIDE OF ARTESIAN RD, ABOUT 0.5 MI W OF ITS INTERSECTION WITH RIO VISTA RD, EAST OF RANCHO SANTA FE.						
Detailed Location:	MAPPED TO VICINITY OF SURVEY AREA.						
Ecological:	SURVEY AREA INCLUDES DIRT ROADS, VERNAL POOLS, DIEGAN COASTAL SAGE SCRUB, AND NON-NATIVE GRASSLAND. SURROUNDED BY OPEN SPACE AND SPARSE RESIDENTIAL HOUSING.						
General:	SPADEFoot DETECTED BETWEEN 5 AND 30 JUL 2007.						
Owner/Manager:	PVT						

Occurrence No.	657	Map Index:	B2068	EO Index:	113993	Element Last Seen:	1973-12-14
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1973-12-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11027 / -117.22624				Accuracy:	2/5 mile	
UTM:	Zone-11 N3663534 E478892				Elevation (ft):	407	
PLSS:	T12S, R03W, Sec. 19, SE (S)				Acres:	280.0	
Location:	VICINITY OF MEADOWLARK RANCH RD OFF OF RANCHO SANTA FE RD, SOUTHWEST SAN MARCOS.						
Detailed Location:	GIVEN LOCALITY "2.7 MI SSW OF SAN MARCOS, MEADOWLARK ESTATE," MAPPED TO VICINITY OF HOUSING DEVELOPMENT AROUND MEADOWLARK RANCH RD.						
Ecological:	THIS AREA RECEIVED HEAVY RESIDENTIAL DEVELOPMENT DURING THE 1980S AND 1990S.						
General:	COLLECTED ON 14 DEC 1973. NEEDS MODERN FIELD RESEARCH AND REPORTING.						
Owner/Manager:	UNKNOWN						

Occurrence No.	658	Map Index:	B2069	EO Index:	113994	Element Last Seen:	2009-06-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-06-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08857 / -117.1822				Accuracy:	1/10 mile	
UTM:	Zone-11 N3661121 E482996				Elevation (ft):	673	
PLSS:	T12S, R03W, Sec. 34, NW (S)				Acres:	18.0	
Location:	JUST EAST OF CARIB DR, SAGE HILL PRESERVE, SOUTH OF SAN MARCOS.						
Detailed Location:	MAPPED TO SHAPEFILE LOCATION PROVIDED.						
Ecological:							
General:	1 OBSERVED ON 4 JUN 2009.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	659	Map Index:	B2070	EO Index:	113995	Element Last Seen:	1967-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1967-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09466 / -117.20267				Accuracy:	1 mile	
UTM:	Zone-11 N3661800 E481088				Elevation (ft):	533	
PLSS:	T12S, R03W, Sec. 33 (S)				Acres:	1987.0	
Location:	NEAR SAN ELIJO RD AT RANCHO SANTA FE RD, SOUTH SAN MARCOS.						
Detailed Location:	MAPPED TO QUESTHAVEN RD FORMER ALIGNMENT NEAR SOUTH SAN MARCOS AS SHOWN ON 1968 RANCHO SANTA FE 1:12,000 TOPO QUAD.						
Ecological:							
General:	COLLECTED IN MAY 1967.						
Owner/Manager:	UNKNOWN						

Occurrence No.	660	Map Index:	B2071	EO Index:	113996	Element Last Seen:	2018-03-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-03-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-04
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07311 / -117.00546				Accuracy:	specific area	
UTM:	Zone-11 N3659392 E499491				Elevation (ft):	637	
PLSS:	T13S, R01W, Sec. 5, NE (S)				Acres:	14.0	
Location:	BANDY CANYON RD, 0.4 MI NE OF ITS INTERSECTION WITH SKY HIGH RD, SAN PASQUAL TRAILS OPEN SPACE, SOUTHEAST OF ESCONDIDO.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:	COASTAL SAGE SCRUB/CHAPARRAL.						
General:	1 ADULT FOUND AND PHOTOGRAPHED ALIVE ON ROAD, AND THEN FOUND DEAD ON ROAD ABOUT 1 HOUR LATER ON 5 MAY 2013. 1 ADULT FOUND ALIVE ON ROAD ON 3 MAR 2018.						
Owner/Manager:	CITY OF SAN DIEGO, UNKNOWN						

Occurrence No.	661	Map Index:	B2072	EO Index:	113997	Element Last Seen:	2017-05-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-05-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-21
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05714 / -117.04235				Accuracy:	specific area	
UTM:	Zone-11 N3657622 E496047				Elevation (ft):	325	
PLSS:	T13S, R02W, Sec. 12, SW (S)				Acres:	39.0	
Location:	SAN DIEGUITO RIVER FLOODPLAIN, 0.3 MI N OF SYCAMORE CANYON RD AT HIGHLAND VALLEY RD INTERSECTION, E OF LAKE HODGES.						
Detailed Location:	MAPPED TO SHAPEFILE LOCATIONS PROVIDED.						
Ecological:							
General:	6 INDIVIDUALS OBSERVED ON 30 MAY 2017.						
Owner/Manager:	CITY OF POWAY						



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Occurrence No.	662	Map Index:	B2073	EO Index:	113998	Element Last Seen:	2017-04-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-24
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05225 / -117.04536				Accuracy:	specific area	
UTM:	Zone-11 N3657081 E495765				Elevation (ft):	0	
PLSS:	T13S, R02W, Sec. 12, SW (S)				Acres:	10.0	
Location:	VICINITY OF HIGHLAND VALLEY RD AND SYCAMORE CREEK RD INTERSECTION, EAST OF LAKE HODGES, SAN DIEGUITO RIVER PARK.						
Detailed Location:	MAPPED TO SHAPEFILE LOCATIONS PROVIDED. ATTRIBUTED SPECIMEN COLLECTED FROM "HIGHLAND VALLEY RD. NEAR LAKE HODGES."						
Ecological:	COASTAL SAGE SCRUB/RIPARIAN						
General:	COLLECTED FROM VICINITY IN 1958. 1 ADULT FOUND ALIVE ON ROAD ON 9 OCT 2015. 1 OBSERVED ON 4 APR 2017.						
Owner/Manager:	CITY OF SAN DIEGO						

Occurrence No.	663	Map Index:	B2074	EO Index:	113999	Element Last Seen:	1934-03-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1934-03-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-24
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05439 / -117.09016				Accuracy:	1 mile	
UTM:	Zone-11 N3657320 E491582				Elevation (ft):	292	
PLSS:	T13S, R02W, Sec. 9 (S)				Acres:	1987.0	
Location:	VICINITY OF LAKE HODGES.						
Detailed Location:	GIVEN LOCATION "LAKE HODGES," EXACT LOCATION UNKNOWN.						
Ecological:	THE DAM WAS CONSTRUCTED IN 1918.						
General:	COLLECTED ON 25 MAR 1934.						
Owner/Manager:	CITY OF SAN DIEGO, UNKNOWN						

Occurrence No.	691	Map Index:	B2109	EO Index:	114033	Element Last Seen:	2004-04-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2004-04-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-21
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.223 / -117.37494				Accuracy:	1/5 mile	
UTM:	Zone-11 N3676072 E465063				Elevation (ft):	177	
PLSS:	T11S, R05W, Sec. 14, NW (S)				Acres:	70.0	
Location:	EAST OF ASH RD AT WIRE MOUNTAIN RD INTERSECTION, CAMP PENDLETON SOUTH, NORTH OF OCEANSIDE.						
Detailed Location:							
Ecological:	VERNAL POOL AND COASTAL SAGE SCRUB RESTORATION SITE.						
General:	SPADEFoot DETECTED IN POOLS BETWEEN 24 FEB 2003 AND 7 APR 2004.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	693	Map Index:	B2111	EO Index:	114035	Element Last Seen:	1965-02-19
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1965-02-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-21
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15134 / -117.13896				Accuracy:	1/10 mile	
UTM:	Zone-11 N3668073 E487041				Elevation (ft):	746	
PLSS:	T12S, R02W, Sec. 7, NW (S)				Acres:	18.0	
Location:	FULTON RD, JUST E OF RICHLAND RD INTERSECTION, SAN MARCOS.						
Detailed Location:	ATTRIBUTED 1965 SPECIMEN COLLECTED FROM "SAN MARCOS."						
Ecological:	1962 AERIAL SHOWS THIS AREA PRIMARILY AS OPEN FIELDS WITH LOW DENSITY HOUSING AND SOME ORCHARDS; FULTON RD DID NOT EXTEND W OF RICHLAND. BY 1990 THIS AREA WAS CONVERTED TO HIGH DENSITY RESIDENTIAL.						
General:	2 COLLECTED HERE ON 6 FEB 1960. COLLECTED FROM VICINITY ON 19 FEB 1965.						
Owner/Manager:	UNKNOWN						

Occurrence No.	695	Map Index:	B2113	EO Index:	114037	Element Last Seen:	1966-03-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1966-03-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-29
Quad Summary:	Valley Center (3311721), San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.19766 / -117.12503				Accuracy:	1 mile	
UTM:	Zone-11 N3673207 E488346				Elevation (ft):	1026	
PLSS:	T11S, R02W, Sec. 19 (S)				Acres:	1987.0	
Location:	VICINITY OF HWY I-15, ABOUT 5 MILES N OF ESCONDIDO.						
Detailed Location:	GIVEN LOCALITY, "5 MI. N ESCONDIDO," EXACT LOCATION UNKNOWN.						
Ecological:	COLLECTED NEAR POND.						
General:	1 COLLECTED ON 25 MAR 1966.						
Owner/Manager:	UNKNOWN						

Occurrence No.	718	Map Index:	B2147	EO Index:	114071	Element Last Seen:	2010-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-27
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30901 / -117.29924				Accuracy:	80 meters	
UTM:	Zone-11 N3685585 E472144				Elevation (ft):	339	
PLSS:	T10S, R04W, Sec. 16, NE (S)				Acres:	5.0	
Location:	ABOUT 0.7 MILES ESE OF VANDEGRIFT BLVD AT 16TH STREET, CAMP PENDLETON NORTH, N OF OCEANSIDE.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:							
General:	DETECTED IN 2010 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	719	Map Index:	B2148	EO Index:	114072	Element Last Seen:	2010-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-27
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32004 / -117.30023				Accuracy:	80 meters	
UTM:	Zone-11 N3686808 E472055				Elevation (ft):	373	
PLSS:	T10S, R04W, Sec. 9, SE (S)				Acres:	5.0	
Location:	JUST SE OF MARINE DR AND FALLBROOK RD INTERSECTION, CAMP PENDLETON NORTH.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:							
General:	DETECTED IN 2010 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	721	Map Index:	B2160	EO Index:	114083	Element Last Seen:	2017-04-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-04
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32883 / -117.27137				Accuracy:	specific area	
UTM:	Zone-11 N3687775 E474744				Elevation (ft):	596	
PLSS:	T10S, R04W, Sec. 11, NW (S)				Acres:	10.0	
Location:	0.6 AIR MILE WNW OF PARAISO RD AT MARAVILLA LN INTERSECTION, FALLBROOK NAVAL WEAPONS STATION.						
Detailed Location:	JULIETT TRAINING AREA. MAPPED TO COORDINATES PROVIDED.						
Ecological:							
General:	1 DEAD ADULT COLLECTED ON 10 APR 2009. COLLECTED ON 26 MAY 2010. 30 TOADLETS OBSERVED ON 26 APR 2017.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	723	Map Index:	B2163	EO Index:	114090	Element Last Seen:	2003-05-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-31
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.2785 / -117.35642				Accuracy:	non-specific area	
UTM:	Zone-11 N3682219 E466809				Elevation (ft):	111	
PLSS:	T10S, R05W, Sec. 25 (S)				Acres:	246.0	
Location:	PUEBLITOS CANYON, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB. THERE APPEARS TO BE 2 PONDS WITHIN THE CANYON THAT MAY PROVIDED BREEDING HABITAT.						
General:	DETECTED BETWEEN 28 MAR AND 14 MAY 2003 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	724	Map Index:	B2166	EO Index:	114092	Element Last Seen:	2017-03-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-03-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-31
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32726 / -117.34106				Accuracy:	80 meters	
UTM:	Zone-11 N3687620 E468258				Elevation (ft):	274	
PLSS:	T10S, R04W, Sec. 7, NW (S)				Acres:	5.0	
Location:	ABOUT 1 AIR MILE W OF O'NEILL LAKE, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED. SITE IS LOCATED ALONG AN UNNAMED ROAD ABOUT 0.3 MILES W OF SANTA MARGARITA RIVER.						
Ecological:							
General:	DETECTED ON 21 MAR 2017.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	725	Map Index:	B2167	EO Index:	114093	Element Last Seen:	2007-04-30
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2007-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-27
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.34246 / -117.15016				Accuracy:	80 meters	
UTM:	Zone-11 N3689264 E486027				Elevation (ft):	275	
PLSS:	T10S, R03W, Sec. 1, NW (S)				Acres:	5.0	
Location:	ALONG HORSE RANCH CREEK RD, ABOUT 0.4 MI N OF INTERSECTION WITH PALA RD (HWY 76), MONSERATE MOUNTAIN, EAST FALLBROOK.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATION.						
Ecological:	SURROUNDING AREA DESCRIBED AS AGRICULTURAL ORCHARDS IN COASTAL SAGE SCRUB & ANNUAL GRASSLAND. AT THE TIME OF SURVEY THIS APPEARED TO BE A WETTED AREA ALONG A DIRT ROAD. IN 2012 AERIALS THE SITE WAS GRADED FOR A NEW ROAD, HORSE RANCH CRK RD.						
General:	2 CAUGHT IN 2005 AND 1 CAUGHT IN 2007 DURING PITFALL TRAPPING SURVEYS. A NEW ROAD WAS CONSTRUCTED THROUGH THIS SITE AROUND 2012.						
Owner/Manager:	PVT						



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Occurrence No.	726	Map Index:	B2168	EO Index:	114094	Element Last Seen:	2006-04-30
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2006-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-27
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.34977 / -117.15236				Accuracy:	specific area	
UTM:	Zone-11 N3690074 E485824				Elevation (ft):	331	
PLSS:	T09S, R03W, Sec. 36, SW (S)				Acres:	17.0	
Location:	JUST NE AND SW OF THE INTERSECTION OF ANDALUSIAN WAY AND HORSE RANCH CREEK ROAD, FALLBROOK.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS.						
Ecological:	AGRICULTURAL ORCHARDS IN COASTAL SAGE SCRUB AND ANNUAL GRASSLAND. 2017 & 2018 AERIAL IMAGERY SHOWS HOUSING CONSTRUCTION OCCURRING ON THE NORTH SIDE OF SITE.						
General:	2 TOADS CAUGHT IN 2003, 3 TOADS IN 2004, AND 2 TOADS IN 2006 DURING PITFALL TRAPPING SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	727	Map Index:	B2173	EO Index:	114099	Element Last Seen:	2016-04-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-01
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.30908 / -117.19473				Accuracy:	80 meters	
UTM:	Zone-11 N3685569 E481873				Elevation (ft):	199	
PLSS:	T10S, R03W, Sec. 16, NE (S)				Acres:	5.0	
Location:	ADJACENT TO SAN LUIS REY RIVER, 0.4 AIR MILE S OF PALA RD (HWY 76) AT GIRD RD, SOUTH OF FALLBROOK.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED AT VESSELS MITIGATION SITE.						
Ecological:							
General:	1 OBSERVED ON 26 APR 2016.						
Owner/Manager:	CALTRANS						

Occurrence No.	728	Map Index:	B2174	EO Index:	114101	Element Last Seen:	1927-05-30
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1927-05-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-01
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723), Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25404 / -117.24253				Accuracy:	1 mile	
UTM:	Zone-11 N3679477 E477409				Elevation (ft):	170	
PLSS:	T11S, R03W, Sec. 6 (S)				Acres:	1987.0	
Location:	HWY 76, ABOUT 3 MILES SW OF BONSALE.						
Detailed Location:	COLLECTION LOCALITY DESCRIBED AS "THREE MILES WEST FROM BONSALE ON THE SAN LUIS REY RIVER." MAPPED BY CNDDB ABOUT 3 ROAD MILES SW OF THE HISTORIC CENTER OF THE COMMUNITY OF BONSALE.						
Ecological:	AREA HAS UNDERGONE DEVELOPMENT SINCE TIME OF COLLECTION.						
General:	COLLECTED BETWEEN 24 AND 30 MAY 1927. NEEDS MODERN FIELD RESEARCH AND REPORTING; MAY POTENTIALLY STILL BE PRESENT ALONG SAN LUIS REY RIVER.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	729	Map Index:	B2175	EO Index:	114103	Element Last Seen:	1959-06-06
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1959-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-25
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.27131 / -117.17472				Accuracy:	2/5 mile	
UTM:	Zone-11 N3681379 E483728				Elevation (ft):	260	
PLSS:	T10S, R03W, Sec. 26, SW (S)				Acres:	280.0	
Location:	CAMINO DEL REY ABOUT 1.2 MILES WEST OF INTERSECTION WITH OLD HIGHWAY 395, SOUTH OF MOUNT ARARAT, BONSTALL.						
Detailed Location:							
Ecological:	AREA HAS UNDERGONE LOW DENSITY DEVELOPMENT SINCE TIME OF COLLECTION. THERE ARE STILL PATCHES OF OPEN SPACE IN THE AREA.						
General:	3 ADULTS COLLECTED ON 6 JUN 1959.						
Owner/Manager:	UNKNOWN						

Occurrence No.	730	Map Index:	B2184	EO Index:	114111	Element Last Seen:	1995-06-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-04
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36343 / -117.08597				Accuracy:	2/5 mile	
UTM:	Zone-11 N3691582 E492002				Elevation (ft):	368	
PLSS:	T09S, R02W, Sec. 27, SW (S)				Acres:	280.0	
Location:	JUST NE OF PALA CREEK CONFLUENCE WITH SAN LUIS REY RIVER, ON S SIDE OF HWY 76 AND N SIDE OF PALA CREEK, PALA.						
Detailed Location:	MAPPED TO VICINITY OF PROJECT LOCATION.						
Ecological:	HISTORY OF SAND MINING ALONG PALA CREEK. PROJECT SITE HAS BEEN DEVELOPED SINCE THE 1990S SURVEYS (NOW THE PALA CASINO).						
General:	3 COLLECTED IN 1977. SPADEFOOT DETECTED BETWEEN 24 MAR AND 1 JUN 1995.						
Owner/Manager:	PVT						

Occurrence No.	731	Map Index:	B2192	EO Index:	114118	Element Last Seen:	2008-02-13
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2008-02-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-25
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.3682 / -117.058				Accuracy:	80 meters	
UTM:	Zone-11 N3692108 E494605				Elevation (ft):	512	
PLSS:	T09S, R02W, Sec. 26, NE (S)				Acres:	5.0	
Location:	GRAVEL PIT ALONG MAGEE CREEK, 1.3 AIR MILES SW OF HERLOT MTN, PALA.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:	SITE WAS A MINING AREA AT TIME OF COLLECTION. IT WAS CONVERTED TO A MOTOCROSS TRACK IN 2009.						
General:	2 LARVAE COLLECTED ON 13 FEB 2008.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	732	Map Index:	B2194	EO Index:	114120	Element Last Seen:	1977-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1977-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-04
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35516 / -117.03219				Accuracy:	1 mile	
UTM:	Zone-11 N3690661 E497005				Elevation (ft):	800	
PLSS:	T09S, R01W, Sec. 31 (S)				Acres:	1987.0	
Location:	ALONG HWY 76, ROUGHLY 2.5 MILES EAST OF PALA.						
Detailed Location:	GIVEN LOCALITY "0-5 MI E PALA JCT, ON HWY 76," EXACT LOCATION UNKNOWN.						
Ecological:							
General:	COLLECTED FROM VICINITY IN 9 MAY 1977.						
Owner/Manager:	UNKNOWN						

Occurrence No.	779	Map Index:	04194	EO Index:	114215	Element Last Seen:	1929-06-13
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1929-06-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-22
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	VICINITY OF ESCONDIDO.						
Detailed Location:	COLLECTION LOCALITY ONLY DESCRIBED AS "ESCONDIDO." EXACT LOCATION IS UNKNOWN.						
Ecological:							
General:	COLLECTED ON 13 JUN 1929.						
Owner/Manager:	UNKNOWN						

Occurrence No.	780	Map Index:	B2292	EO Index:	114216	Element Last Seen:	1966-05-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1966-05-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-11
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10292 / -117.03716				Accuracy:	1 mile	
UTM:	Zone-11 N3662697 E496533				Elevation (ft):	709	
PLSS:	T12S, R02W, Sec. 25 (S)				Acres:	1987.0	
Location:	BETWEEN ESCONDIDO AND SAN PASQUAL VALLEY.						
Detailed Location:	COLLECTION LOCALITY DESCRIBED AS 5 MILES SE OF ESCONDIDO. MAPPED BY CNDDDB CENTERED ALONG HIGHWAY 78 ABOUT 5 ROAD MILES EAST OF THE CENTER OF ESCONDIDO.						
Ecological:							
General:	COLLECTED ON 7 MAY 1966.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	781	Map Index:	B2304	EO Index:	114228	Element Last Seen:	1975-07-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1975-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-02-25
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.22827 / -117.0046				Accuracy:	1/5 mile	
UTM:	Zone-11 N3676593 E499571				Elevation (ft):	1408	
PLSS:	T11S, R01W, Sec. 8, SE (S)				Acres:	70.0	
Location:	VALLEY CENTER ROAD (COUNTY HWY S6), 1.7 MILES WEST OF NORTH LAKE WOHLFORD ROAD, VALLEY CENTER.						
Detailed Location:	COLLECTION LOCALITY DESCRIBED AS 1.7 MILES WEST OF JUNCTION OF S-6 AND LAKE WOHLFORD RD. THESE ROADS INTERSECT IN 2 LOCATIONS. PRESUMABLY COLLECTOR WAS REFERRING TO THE INTERSECTION AT THE NE END, ALONG NORTH LAKEWOHLFORD RD.						
Ecological:	AREA CONSISTS OF AGRICULTURAL FIELDS.						
General:	COLLECTED ON 15 APR 1967 AND IN JUL 1975.						
Owner/Manager:	UNKNOWN						

Occurrence No.	1390	Map Index:	B5377	EO Index:	118337	Element Last Seen:	2019-03-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2019-03-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08786 / -117.14422				Accuracy:	80 meters	
UTM:	Zone-11 N3661036 E486541				Elevation (ft):	577	
PLSS:	T12S, R03W, Sec. 36, NE (S)				Acres:	5.0	
Location:	WILD WILLOW HOLLOW RD, JUST NORTHWEST OF ITS INTERSECTION WITH HARMONY GROVE RD, NEAR ELFIN FOREST, SOUTHWEST ESCONDIDO.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:	CHAPARRAL						
General:	1 ADULT FOUND ALIVE ON ROAD ON 6 MAR 2019.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	1415	Map Index:	B5615	EO Index:	118596	Element Last Seen:	2019-06-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2019-06-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-06-01
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07232 / -117.01803				Accuracy:	80 meters	
UTM:	Zone-11 N3659305 E498317				Elevation (ft):	931	
PLSS:	T13S, R01W, Sec. 6, SE (S)				Acres:	5.0	
Location:	0.5 AIR MILES WEST OF INTERSECTION OF SKY HIGH ROAD AND BANDY CANYON ROAD, SE OF ESCONDIDO.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED.						
Ecological:							
General:	1 ADULT FOUND ON 13 JUN 2019.						
Owner/Manager:	UNKNOWN						



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Ixobrychus exilis

Element Code: ABNGA02010

least bittern

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3G4
State: None **State:** S2
Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern
Habitat: **General:** COLONIAL NESTER IN MARSHLANDS AND BORDERS OF PONDS AND RESERVOIRS WHICH PROVIDE AMPLE COVER.
Micro: NESTS USUALLY PLACED LOW IN TULE, OVER WATER.

Occurrence No. 3 **Map Index:** 53479 **EO Index:** 53492 **Element Last Seen:** 2001-07-29
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2001-07-29
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-12-04

Quad Summary: Bonsall (3311732)

County Summary: San Diego

Lat/Long: 33.31814 / -117.15408 **Accuracy:** non-specific area
UTM: Zone-11 N3686567 E485657 **Elevation (ft):** 260
PLSS: T10S, R03W, Sec. 12 (S) **Acres:** 60.6

Location: ALONG EAST SIDE OF I-15, SOUTH OF THE SAN LUIS REY RIVER AND NW OF KEYS CANYON, SOUTH OF PALA MESA.

Detailed Location: FENCED POND IN THE CENTER OF THE PROPERTY.

Ecological: VEGETATION INCLUDES SALIX LASIOLEPIS, BACCHARIS SALICIFOLIA, POPULUS FREEMONTII, SALIX LAEVIGATA. OTHER WILLOWS INC SALIX LASIANDRA, SALIX GOODDINGII, SALIX HINDSIANA. QUERCUS AGRIFOLIA, SAMBUCUS MEXICANA & CALIFORNIA BUCKWHEAT TO S.

General: SUMMERING (BREEDING?) DETECTED DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS CONDUCTED BETWEEN 7 MAY AND 29 JULY 2001. SMALL GROUP OF AGELAIUS TRICOLOR, 2 STERNA ANTILLARUM OBSERVED ON SITE DURING JUN 2001.

Owner/Manager: UNKNOWN

Plegadis chihi

Element Code: ABNGE02020

white-faced ibis

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S3S4
Other: CDFW_WL-Watch List, IUCN_LC-Least Concern
Habitat: **General:** SHALLOW FRESHWATER MARSH.
Micro: DENSE TULE THICKETS FOR NESTING, INTERSPERSED WITH AREAS OF SHALLOW WATER FOR FORAGING.



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Occurrence No.	18	Map Index:	33747	EO Index:	49012	Element Last Seen:	1979-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1979-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-10-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17255 / -117.34981				Accuracy:	non-specific area	
UTM:	Zone-11 N3670470 E467386				Elevation (ft):	10	
PLSS:	T11S, R05W, Sec. 36 (S)				Acres:	182.7	
Location:	BUENA VISTA LAGOON.						
Detailed Location:							
Ecological:							
General:	EIGHT NEST OBSERVED. NO OTHER INFORMATION GIVEN.						
Owner/Manager:	DFG-BUENA VISTA LAGOON ER						

Occurrence No.	19	Map Index:	04194	EO Index:	49013	Element Last Seen:	1901-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1901-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-10-14
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	700	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	BREEDING COLONY IN 1901. NO OTHER INFORMATION GIVEN.						
Owner/Manager:	UNKNOWN						

Occurrence No.	22	Map Index:	53479	EO Index:	53486	Element Last Seen:	2001-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-12-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31814 / -117.15408				Accuracy:	non-specific area	
UTM:	Zone-11 N3686567 E485657				Elevation (ft):	260	
PLSS:	T10S, R03W, Sec. 12 (S)				Acres:	60.6	
Location:	ALONG EAST SIDE OF I-15, SOUTH OF THE SAN LUIS REY RIVER AND NW OF KEYS CANYON, SOUTH OF PALA MESA.						
Detailed Location:	FENCED POND IN THE CENTER OF THE PROPERTY.						
Ecological:	VEGETATION INCLUDES SALIX LASIOLEPIS, BACCHARIS SALICIFOLIA, POPULUS FREEMONTII, SALIX LAEVIGATA. OTHER WILLOWS INC SALIX LASIANDRA, SALIX GOODDINGII, SALIX HINDSIANA. QUERCUS AGRIFOLIA, SAMBUCUS MEXICANA & CALIFORNIA BUCKWHEAT TO S.						
General:	A SMALL BREEDING COLONY WAS DETECTED DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS CONDUCTED BETWEEN 7 MAY AND 29 JULY 2001. SMALL GROUP OF AGELAIUS TRICOLOR, 2 STERNA ANTILLARUM OBSERVED ON SITE DURING JUN 2001.						
Owner/Manager:	UNKNOWN						



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Elanus leucurus

Element Code: ABNKC06010

white-tailed kite

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5
	State:	None		State:	S3S4
	Other:	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern			
Habitat:	General:	ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.			
	Micro:	OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.			

Occurrence No.	36	Map Index:	24861	EO Index:	6473	Element Last Seen:	1984-05-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1984-05-23		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1993-12-07		

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.15703 / -117.27880	Accuracy:	80 meters
UTM:	Zone-11 N3668730 E474001	Elevation (ft):	180
PLSS:	T12S, R04W, Sec. 02 (S)	Acres:	0.0

Location: 2 MILES NNW OF THE JUNCTION OF PALOMAR AIRPORT ROAD AND EL CAMINO REAL, 4 MILES SW OF VISTA.

Detailed Location:

Ecological: HABITAT CONSISTS OF AN INTERMITTENT STREAM AREA DOMINATED BY COAST LIVE OAK AND WESTERN SYCAMORE, FLANKED BY COASTAL SAGE SCRUB AND STIPA-DOMINATED SOUTHERN CALIFORNIA GRASSLAND.

General: CONFIRMED WINTER ROOST SITE - 15 KITES OBSERVED ROOSTING ON 9 NOVEMBER 1983. NESTING PRESUMED DUE TO OBSERVATION OF 2 ADULTS AND 3 JUVENILES.

Owner/Manager: PVT

Occurrence No.	37	Map Index:	25149	EO Index:	5969	Element Last Seen:	1983-04-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1983-04-27		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1995-11-13		

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.23478 / -117.36801	Accuracy:	1/5 mile
UTM:	Zone-11 N3677375 E465713	Elevation (ft):	225
PLSS:	T11S, R05W, Sec. 11, NE (S)	Acres:	0.0

Location: AT THE HEAD OF TULEY CANYON, JUST EAST OF WIRE MOUNTAIN, CAMP PENDLETON MARINE CORPS BASE.

Detailed Location:

Ecological: NEST IS LOCATED IN SAMBUCUS MEXICANA, AT THE HEAD OF A NARROW CANYON SURROUNDED BY COASTAL TERRACES. HABITAT IS COASTAL SAGE SCRUB SURROUNDED BY ANNUAL GRASSLAND; DOMINANTS: RHUS INTEGRIFOLIA, SALVIA MELLIFERA, AND ENCELIA CALIFORNICA.

General: 2 BIRDS OBSERVED NESTING IN 1983.

Owner/Manager: DOD-CAMP PENDLETON MCB



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Occurrence No.	100	Map Index:	65934	EO Index:	66013	Element Last Seen:	2003-05-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-08-21
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17880 / -117.30417				Accuracy:	80 meters	
UTM:	Zone-11 N3671150 E471642				Elevation (ft):	80	
PLSS:	T11S, R04W, Sec. 33, NE (S)				Acres:	0.0	
Location:	ABOUT 3.8 MI ESE OF OCEANSIDE, 1.3 MI ESE OF JCT EL CAMINO REAL AND HWY 78, BUENA VISTA CREEK.						
Detailed Location:							
Ecological:	RIPARIAN HABITAT MIX OF COASTAL SAGE SCRUB & NON-NATIVE GRASSLANDS. NON-NATIVE VEGETATION CONSISTS OF PAMPAS GRASS (CORTADERIA SELLOANA), PALM TREES & ARRUNDO DONAX. NATIVE VEGETATION OF RED WILLOW (SALIX LAEVIGATA) & SEDGES (CAREX SP.).						
General:	2 ADULTS & 1 JUVENILE OBSERVED ON 16 MAY 2003. DID NOT SEE BIRDS ON SUBSEQUENT VISITS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	111	Map Index:	65949	EO Index:	66028	Element Last Seen:	2005-04-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-04-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-08-21
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22377 / -117.26025				Accuracy:	1/10 mile	
UTM:	Zone-11 N3676124 E475749				Elevation (ft):	350	
PLSS:	T11S, R04W, Sec. 13, NW (S)				Acres:	0.0	
Location:	ABOUT 0.2 MI NW OF INTERSECTION OF OCEANSIDE BLVD & MELROSE DR, NW OF VISTA.						
Detailed Location:							
Ecological:	MAINLY ANNUAL GRASSLAND. ALSO COYOTE BRUSH SCRUB, COASTAL SAGE SCRUB, RUDERAL, SOUTHERN WILLOW SCRUB, MULEFAT SCRUB, HERBACEOUS WETLAND AND UNVEGETATED EPHEMERAL CHANNEL.						
General:	1 FAMILY GROUP OBSERVED DURING SURVEY THAT OCCURRED ON 16 & 29 MARCH & 12 APR 2005.						
Owner/Manager:	UNKNOWN						



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Circus hudsonius

Element Code: ABNKC11011

northern harrier

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S3
Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern
Habitat: **General:** COASTAL SALT AND FRESHWATER MARSH. NEST AND FORAGE IN GRASSLANDS, FROM SALT GRASS IN DESERT SINK TO MOUNTAIN CIENAGAS.
Micro: NESTS ON GROUND IN SHRUBBY VEGETATION, USUALLY AT MARSH EDGE; NEST BUILT OF A LARGE MOUND OF STICKS IN WET AREAS.

Occurrence No. 19 **Map Index:** 03344 **EO Index:** 27014 **Element Last Seen:** 1982-03-22
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1982-03-22
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1995-11-13

Quad Summary: San Luis Rey (3311723), Oceanside (3311724), Morro Hill (3311733), Las Pulgas Canyon (3311734)

County Summary: San Diego

Lat/Long: 33.25719 / -117.36946 **Accuracy:** 1 mile
UTM: Zone-11 N3679860 E465586 **Elevation (ft):** 25
PLSS: T10S, R05W, Sec. 35 (S) **Acres:** 0.0

Location: CAMP PENDLETON MCB; YSIDORA FLATS (=BASIN), SANTA MARGARITA RIVER.

Detailed Location:

Ecological:

General: 2-3 PAIRS NEST IN THIS AREA EACH YEAR ACCORDING TO BLOOM.

Owner/Manager: DOD-CAMP PENDLETON MCB

Accipiter cooperii

Element Code: ABNKC12040

Cooper's hawk

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S4
Other: CDFW_WL-Watch List, IUCN_LC-Least Concern
Habitat: **General:** WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.
Micro: NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Occurrence No. 86 **Map Index:** 53281 **EO Index:** 53281 **Element Last Seen:** 2003-07-27
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2003-07-27
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-11-12

Quad Summary: San Marcos (3311722), San Luis Rey (3311723), Bonsall (3311732), Morro Hill (3311733)

County Summary: San Diego

Lat/Long: 33.25100 / -117.24862 **Accuracy:** 2/5 mile
UTM: Zone-11 N3679141 E476840 **Elevation (ft):** 240
PLSS: T11S, R04W, Sec. 01, NE (S) **Acres:** 0.0

Location: SOUTH OF MISSION AVE AND WEST OF VISTA WAY, NORTH OF THE CITY OF VISTA.

Detailed Location: JEFFRIES RANCH. NW OF HUTCHISON ST.

Ecological: RIPARIAN HABITAT.

General: 1 NESTING PAIR OBSERVED IN RIPARIAN HABITAT SOMETIME BETWEEN 14 MAY AND 27 JUL 2003.

Owner/Manager: UNKNOWN



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Occurrence No.	87	Map Index:	53479	EO Index:	53483	Element Last Seen:	2001-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-12-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31814 / -117.15408				Accuracy:	non-specific area	
UTM:	Zone-11 N3686567 E485657				Elevation (ft):	260	
PLSS:	T10S, R03W, Sec. 12 (S)				Acres:	60.6	
Location:	ALONG EAST SIDE OF I-15, SOUTH OF THE SAN LUIS REY RIVER AND NW OF KEYS CANYON, SOUTH OF PALA MESA.						
Detailed Location:							
Ecological:	VEGETATION INCLUDES SALIX LASIOLEPIS, BACCHARIS SALICIFOLIA, POPULUS FREEMONTII, SALIX LAEVIGATA. OTHER WILLOWS INC SALIX LASIANDRA, SALIX GOODDINGII, SALIX HINDSIANA. QUERCUS AGRIFOLIA, SAMBUCUS MEXICANA & CALIFORNIA BUCKWHEAT TO S.						
General:	ONE NESTING PAIR DETECTED DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS CONDUCTED BETWEEN 7 MAY AND 29 JULY 2001. SMALL GROUP OF AGELAIUS TRICOLOR, 2 STERNA ANTILLARUM OBSERVED ON SITE DURING JUN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	97	Map Index:	56432	EO Index:	56448	Element Last Seen:	2000-07-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-07-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-08-19
Quad Summary:	Pala (3311731), Pechanga (3311741)						
County Summary:	San Diego						
Lat/Long:	33.37709 / -117.06183				Accuracy:	2/5 mile	
UTM:	Zone-11 N3693094 E494247				Elevation (ft):	600	
PLSS:	T09S, R02W, Sec. 23 (S)				Acres:	0.0	
Location:	NEAR TRUJILLO CREEK, PALA INDIAN RESERVATION, 1 MILE NE OF PALA.						
Detailed Location:	NEST LOCATED IN COAST LIVE OAK. LOCATION GIVEN AS SECTION 23, ELEVATION 600 FT AND SO THE GENERAL AREA AROUND 600 FT IS MAPPED.						
Ecological:	HABITAT CONSISTS OF A COAST LIVE OAK GROVE SURROUNDED BY RIVERSIDEAN ALLUVIAL FAN SAGE SCRUB (TRUJILLO CK), CHAPARRAL, SCATTERED OAK WOODLANDS, HILLY TERRAIN AND AGRICULTURE.						
General:	2 FLEDGLINGS OBSERVED NEAR NEST GROVE ON 18 JUL 2000. THIS NEST WAS ALSO OBSERVED WITH 2 NESTLINGS IN MAY OF 1999.						
Owner/Manager:	PVT						

<i>Buteo swainsoni</i>				Element Code: ABNKC19070			
Swainson's hawk							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G5
	State:	Threatened				State:	S4
	Other:	BLM_S-Sensitive, IUCN_LC-Least Concern					
Habitat:	General:	BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, AND AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.					
	Micro:	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.					



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Occurrence No.	2555	Map Index:	90400	EO Index:	91508	Element Last Seen:	1929-05-05
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1929-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-23
Quad Summary:	Boucher Hill (3311638), Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.31455 / -117.00582				Accuracy:	1 mile	
UTM:	Zone-11 N3686159 E499457				Elevation (ft):	800	
PLSS:	T10S, R01W, Sec. 08 (S)				Acres:	0.0	
Location:	VICINITY OF SAN LUIS REY RIVER IN PAUMA VALLEY.						
Detailed Location:	SPECIMEN LOCALITY GIVEN AS "SAN LUIS REY RIVER NEAR PAUMA, SAN DIEGO CO;" EXACT LOCATION UNKNOWN, MAPPED TO VICINITY OF THE RIVER IN THE PAUMA VALLEY, NEAR THE PAUMA VALLEY SCHOOL.						
Ecological:	STICK NEST FOUND 40' UP NEST TREE, LINED WITH GREEN LEAVES AND DRY BARK STRIPS. THE COLLECTOR NOTED THAT THE SWAINSON'S HAWK "WAS ONCE A COMMON NESTER IN THIS AREA BUT IS SELDOM FOUND ANYMORE." SDG BREEDING POPULATION CONSIDERED EXTIRPATED.						
General:	BIRD OBSERVED ON NEST, EGG COLLECTED ON 5 MAY 1929.						
Owner/Manager:	UNKNOWN						

Occurrence No.	2556	Map Index:	90402	EO Index:	91509	Element Last Seen:	1933-04-15
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1933-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-23
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31367 / -117.17756				Accuracy:	non-specific area	
UTM:	Zone-11 N3686075 E483471				Elevation (ft):	200	
PLSS:	T10S, R03W, Sec. 15 (S)				Acres:	4933.0	
Location:	VICINITY OF SAN LUIS REY RIVER, FROM ABOUT 2 TO 4 MILES ABOVE (NE OF) BONSTALL.						
Detailed Location:	SPECIMEN LOCALITIES GIVEN AS "2 MILES ABOVE BONSTALL" (1913), "4 MILES ABOVE BONSTALL," (1919), & "4 MILES NE OF BONSTALL" (1933). EXACT COLLECTION LOCATIONS UNKNOWN, MAPPED GENERALLY TO THE SAN LUIS REY RIVER "ABOVE" (UPSTREAM/NE OF) BONSTALL.						
Ecological:	1913: STICK NEST LINED WITH BARK AND LEAVES 35' UP IN SYCAMORE IN CLUMP IN OPEN FIELD. 1919: NEST 40' UP IN COTTONWOOD TREE, ON SLENDER LIMB. 1933: STICK NEST LINED WITH COTTONWOOD LEAVES FOUND 30' UP IN COTTONWOOD.						
General:	ADULT FEMALE OBSERVED ON NEST, 3 EGGS COLLECTED ON 27 APR 1913. HAWK FLUSHED FROM NEST, 2 EGGS COLLECTED ON 25 APR 1919. 3 EGGS COLLECTED ON 15 APR 1933, IDENTITY OF BIRD "POSITIVE" (PRESUMABLY, A BIRD WAS SEEN).						
Owner/Manager:	UNKNOWN, SDG COUNTY						



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Occurrence No.	2557	Map Index:	27986	EO Index:	91510	Element Last Seen:	1902-05-25
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1902-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23264 / -117.32450				Accuracy:	1 mile	
UTM:	Zone-11 N3677124 E469766				Elevation (ft):	50	
PLSS:	T11S, R04W, Sec. 08 (S)				Acres:	0.0	
Location:	SAN LUIS REY.						
Detailed Location:	MAPPED GENERALLY TO GIVEN LOCALITY, EXACT COLLECTION LOCATION UNKNOWN.						
Ecological:	STICK NEST LINED WITH LEAVES, STRAW, BARK AND FEATHERS FOUND 43' UP IN COTTONWOOD TREE. SAN DIEGO COUNTY BREEDING POPULATION CONSIDERED EXTIRPATED.						
General:	ADULT FEMALE OBSERVED ON NEST, 2 EGGS COLLECTED ON 25 MAY 1902.						
Owner/Manager:	UNKNOWN						
Occurrence No.	2558	Map Index:	90403	EO Index:	91511	Element Last Seen:	1933-04-20
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1933-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31100 / -117.33019				Accuracy:	1 mile	
UTM:	Zone-11 N3685814 E469263				Elevation (ft):	950	
PLSS:	T10S, R04W, Sec. 17 (S)				Acres:	0.0	
Location:	VICINITY OF RANCHO SANTA MARGARITA (HISTORICAL).						
Detailed Location:	EXACT COLLECTION LOCATIONS UNKNOWN, MAPPED TO BEST GUESS AT GIVEN LOCALITIES "SYCAMORE CAN. SANTA MARGARITA RCH, SAN DIEGO" (1917) AND "SANTA MARGARITA RANCH" (1933). THERE ARE SEVERAL SITES UNDER THE SAME OR SIMILAR NAMES.						
Ecological:	1917: NEW, SMALL NEST FOUND 35' UP IN SYCAMORE TREE. 1933: NEST MADE OF TWIGS AND LINED WITH SYCAMORE LEAVES FOUND 40' UP IN SYCAMORE TREE. CENTRAL COAST AND SOUTHERN SITES SUCH AS THIS GENERALLY CONSIDERED TO BE HISTORICAL.						
General:	BIRD FLUSHED FROM NEST, 2 EGGS COLLECTED ON 29 APR 1917. 3 EGGS COLLECTED ON 20 APR 1933, IDENTIFICATION "POSITIVE" (PRESUMABLY ADULT BIRD WAS SEEN).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	2559	Map Index:	04194	EO Index:	91512	Element Last Seen:	1923-04-22
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1923-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-23
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	700	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	EXACT COLLECTION LOCATIONS UNKNOWN, MAPPED GENERALLY TO THE TOWN OF ESCONDIDO IN APPROXIMATION OF GIVEN LOCALITIES "ESCONDIDO" (1903), "ESCONDIDO, DOBE CANON" (1908), AND "ESCONDIDO, MARIKLES [=MARCOS?] CANYON" (1923).						
Ecological:	1903: STICK NEST LINED WITH OAK LEAVES AND FEATHERS FOUND 63' UP IN LIVE OAK. 1908: NEST FOUND 70' UP IN SYCAMORE. 1923: FEATHER-LINED STICK NEST 40' UP IN SYCAMORE.						
General:	BIRD FLUSHED FOM NEST, 4 EGGS TAKEN 3 MAY 1903. 2 EGGS COLLECTED ON 12 APR 1908; ID QUESTIONABLE SINCE SURVEYOR REPORTED SEEING "FEMALE SWAINSON AND MALE RED-TAIL" AT/NEAR NEST. FEMALE FLUSHED FROM NEST, 2 EGGS COLLECTED ON 22 APR 1923.						
Owner/Manager:	UNKNOWN						

Occurrence No.	2561	Map Index:	90410	EO Index:	91520	Element Last Seen:	1909-05-09
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1909-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06130 / -117.06470				Accuracy:	1 mile	
UTM:	Zone-11 N3658084 E493960				Elevation (ft):	300	
PLSS:	T13S, R02W, Sec. 11 (S)				Acres:	0.0	
Location:	BERNARDO (HISTORICAL).						
Detailed Location:	MAPPED TO SPECIMEN LOCALITIES "BERNARDO" AND "BERNARDO ON RIVER, BELOW BRIDGE," USING HISTORIC TOPO FOR REFERENCE. EXACT COLLECTION LOCATIONS UNKNOWN.						
Ecological:	NESTS IN COTTONWOODS. SAN DIEGO COUNTY BREEDING POPULATION CONSIDERED EXTIRPATED.						
General:	2 EGGS COLLECTED ON 5 MAY 1901. 2 EGGS COLLECTED 1 JUN 1902. 2 COLLECTED ON 12 MAY 1907. 3 EGGS TAKEN ON 9 MAY 1909; COLLECTOR NOTED, "TOOK RED-BELLIED HAWK [=RED-SHOULDERED HAWK] FROM NEST ON APRIL 10."						
Owner/Manager:	UNKNOWN						



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Occurrence No.	2566	Map Index:	03344	EO Index:	91530	Element Last Seen:	1919-05-02
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:	1919-05-02		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2013-09-23		
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724), Morro Hill (3311733), Las Pulgas Canyon (3311734)						
County Summary:	San Diego						
Lat/Long:	33.25719 / -117.36946			Accuracy:	1 mile		
UTM:	Zone-11 N3679860 E465586			Elevation (ft):	30		
PLSS:	T10S, R05W, Sec. 35 (S)			Acres:	0.0		
Location:	YSIDORA BASIN, ABOUT 5 MILES NORTH OF OCEANSIDE.						
Detailed Location:	SPECIMEN LOCALITY GIVEN AS "SYCAMORE CANYON, 5 MI N OF OCEANSIDE." SYCAMORE CANYON IS UNKNOWN PLACE NAME. MAPPED VERY GENERALLY TO VALLEY 5 MILES NORTH OF THE TOWN OF OCEANSIDE.						
Ecological:	NEST FOUND 45' UP SYCAMORE TREE AT FORK OF SEVERAL SMALL LIMBS.						
General:	3 EGGS COLLECTED ON 2 MAY 1919.						
Owner/Manager:	UNKNOWN						



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Aquila chrysaetos

Element Code: ABNKC22010

golden eagle

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S3
Other: BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern
Habitat: **General:** ROLLING FOOTHILLS, MOUNTAIN AREAS, SAGE-JUNIPER FLATS, AND DESERT.
Micro: CLIFF-WALLED CANYONS PROVIDE NESTING HABITAT IN MOST PARTS OF RANGE; ALSO, LARGE TREES IN OPEN AREAS.

Occurrence No. 1 **Map Index:** 04087 **EO Index:** 27340 **Element Last Seen:** 2000-07-04
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2000-07-04
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-06-18

Quad Summary: Pala (3311731), Pechanga (3311741)

County Summary: San Diego

Lat/Long: 33.36231 / -117.10184 **Accuracy:** 1 mile
UTM: Zone-11 N3691458 E490525 **Elevation (ft):** 1000
PLSS: T09S, R02W, Sec. 28 (S) **Acres:** 0.0

Location: ONE MILE WEST OF PALA.

Detailed Location: 1974: NEST WITH TWO YOUNG FOUND IN A COAST LIVE OAK. 2000: ADULT & YOUNG FLYING TOGETHER.

Ecological: HABITAT IS DECIDUOUS WOODS OF DWARF OAK AND CHAMISE.

General: FROM NORTH AMERICAN NEST RECORD CARD PROGRAM, 24 APR 1974. 1 ADULT & 1 YOUNG OBS FLYING TOGETHER OVER RIDGLINE SOUTH OF SAN LUIS REY RIVER ON 4 JUL 2000. 1 ADULT OBS SOUTH OF SAN LUIS REY RIVER ON 17 JUL 2000.

Owner/Manager: UNKNOWN

Occurrence No. 108 **Map Index:** 65652 **EO Index:** 65731 **Element Last Seen:** 1991-04-11
Occ. Rank: Excellent **Presence:** Presumed Extant **Site Last Seen:** 1991-04-11
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2006-08-07

Quad Summary: Pala (3311731)

County Summary: San Diego

Lat/Long: 33.33838 / -117.09778 **Accuracy:** non-specific area
UTM: Zone-11 N3688805 E490900 **Elevation (ft):** 1660
PLSS: T10S, R02W, Sec. 04, NE (S) **Acres:** 45.2

Location: GREGORY MOUNTAIN, SOUTH OF HIGHWAY 76 AND SAN LUIS REY RIVER, 4 MILES EAST OF I-15.

Detailed Location: NEST SITE LOCATED ABOUT HALF WAY UPSLOPE ON THE WEST SIDE OF PEAK. POWERLINES JUST WEST OF THE SITE.

Ecological: HABITAT CONSISTS OF BROADLEAF CHAPARRAL ON VERTICAL GRANITIC ROCK CLIFFS WITH ASSORTED OUTCROPS WHICH PROVIDE NESTING HABITAT.

General: 1 NEST CONTAINING 1 EGG OBSERVED ON 11 APR 1991. NO ADULTS WERE SEEN.

Owner/Manager: PVT

Laterallus jamaicensis coturniculus

Element Code: ABNME03041

California black rail

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3T1
State: Threatened **State:** S2
Other: BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_EN-Endangered
Habitat: **General:** INHABITS FRESHWATER MARSHES, WET MEADOWS AND SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.



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Micro: NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DO NOT FLUCTUATE DURING THE YEAR AND DENSE VEGETATION FOR NESTING HABITAT.							
Occurrence No.	53	Map Index:	03567	EO Index:	21647	Element Last Seen:	1973-10-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-06-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-04-05
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01150 / -117.26148			Accuracy:	non-specific area		
UTM:	Zone-11 N3652592 E475576			Elevation (ft):	3		
PLSS:	T13S, R04W, Sec. 26, SE (S)			Acres:	599.0		
Location:	SAN ELIJO LAGOON, VICINITY OF SOLANA BEACH, 1.1 MILES NNW OF I-5 AT LOMAS SANTA FE DR, 3 MILES SSE OF ENCINITAS.						
Detailed Location:	1963-1973 LOCATIONS DESCRIBED ONLY AS "SAN ELIJO LAGOON." EXACT LOCATION OF RAILS UNKNOWN AND THEREFORE MAPPED TO THE ENTIRETY OF THE SAN ELIJO LAGOON. 1886 RECORD LOCATION DESCRIBED AS "NEAR ENCINITAS" AND ATTRIBUTED TO THIS OCCURRENCE.						
Ecological:							
General:	DURING HIS DEC 1886 EXPLORATION OF SAN DIEGO, F. STEPHENS RECEIVED A RAIL FROM A HUNTER WHO HAD KILLED IT NEAR ENCINITAS. UNK NUMBERS DETECTED ON 11 NOV 1963, 17 JAN 1964, 15 NOV 1969, FEB 1970, 16 JAN AND 28 OCT 1973. 0 IN MAR-JUN 2002.						
Owner/Manager:	DFG, PVT, SDG COUNTY						
Occurrence No.	340	Map Index:	A4062	EO Index:	105734	Element Last Seen:	1938-04-25
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1938-04-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-27
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20326 / -117.244			Accuracy:	1 mile		
UTM:	Zone-11 N3673847 E477259			Elevation (ft):	341		
PLSS:	T11S, R03W, Sec. 19 (S)			Acres:	1987.0		
Location:	VISTA.						
Detailed Location:	EXACT LOCATION OF COLLECTION UNKNOWN. LOCATION DESCRIBED ONLY AS "VISTA, SAN DIEGO." MAPPED AS BEST GUESS BY CNDDB TO LOCATION OF HISTORIC TOWN OF VISTA BASED ON USGS TOPO MAPS (ESCONDIDO 1901 AND SAN MARCOS 1948).						
Ecological:	POTENTIAL AREAS OF OCCUPATION BY BLACK RAIL ALONG THE BUENA VISTA CREEK OR SURROUNDING TRIBUTARIES.						
General:	5 EGGS COLLECTED ON 25 APR 1938; INCUBATION STAGE NOTED AS "STARTED." BELIEVED TO BE EXTIRPATED AS A BREEDER FROM SAN DIEGO COUNTY SINCE THE 1950S.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	341	Map Index:	04194	EO Index:	105735	Element Last Seen:	1907-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1907-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-03-23
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	EXACT LOCATION UNKNOWN. LOCATION DESCRIBED ONLY AS "ESCONDIDO." MAPPED AS BEST GUESS BY CNDDDB TO HISTORIC ESCONDIDO BASED ON USGS TOPO MAPS (SAN LUIS REY, 1901).						
Ecological:	POTENTIAL AREAS OF OCCUPATION BY BLACK RAIL ALONG THE ESCONDIDO CREEK.						
General:	AN UNKNOWN NUMBER OF EGGS COLLECTED IN 1907. SHARP OFTEN BIRDED AND COLLECTED ALONG THE SAN DIEGUITO RIVER NEAR BERNARDO AND SAN PASQUAL VALLEY (SHARP 1907 [CONDOR]).						
Owner/Manager:	UNKNOWN						

<i>Rallus obsoletus levipes</i>				Element Code: ABNME05014			
light-footed Ridgway's rail							
Listing Status:	Federal:	Endangered			CNDDDB Element Ranks:	Global:	G3T1T2
	State:	Endangered				State:	S1
	Other:	CDFW_FP-Fully Protected					
Habitat:	General:	FOUND IN SALT MARSHES TRAVERSED BY TIDAL SLOUGHS, WHERE CORDGRASS AND PICKLEWEED ARE THE DOMINANT VEGETATION.					
	Micro:	REQUIRES DENSE GROWTH OF EITHER PICKLEWEED OR CORDGRASS FOR NESTING OR ESCAPE COVER; FEEDS ON MOLLUSCS AND CRUSTACEANS.					

Occurrence No.	2	Map Index:	15991	EO Index:	25889	Element Last Seen:	2007-06-05	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	2007-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing		Record Last Updated:	2008-02-13
Quad Summary:	San Luis Rey (3311723)							
County Summary:	San Diego							
Lat/Long:	33.14294 / -117.32982				Accuracy:	non-specific area		
UTM:	Zone-11 N3667182 E469239				Elevation (ft):	10		
PLSS:	T12S, R04W, Sec. 08 (S)				Acres:	243.1		
Location:	AGUA HEDIONDA LAGOON.							
Detailed Location:								
Ecological:	1985: 80 ACRES OF MARSH INCLUDING PICKLEWEED FLATS (25 ACRES ARE FRESHWATER MARSH). POP LOST WHEN MARSH DEWATERED IN 1985 AS PART OF DRAINAGE IMPROVEMENT & DEVELOPMENT PROJECT. 2007: INCREASED STREET RUN-OFF HAS REJUVENATED MARSH SOMEWHAT.							
General:	1980 1 PR; '81 2 PR; '82 1 PR; '83 7 PR; '84 6 PR; '85 1 PR; 1986-1995 NONE SEEN OR HEARD. 1997 & '98: 1 PR, '99: 0, 2000 & '01: 2 PR, '02: 1 PR, '03: 4 PR, '04: 5 PR, '05: 4 PR + SINGLES, '06: 7 PR + SINGLES, '07: 4 PR.							
Owner/Manager:	CITY OF CARLSBAD, OTHER							



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Occurrence No.	3	Map Index:	03567	EO Index:	14732	Element Last Seen:	2007-06-05
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2007-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2008-05-02
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01150 / -117.26148				Accuracy:	non-specific area	
UTM:	Zone-11 N3652592 E475576				Elevation (ft):	10	
PLSS:	T13S, R04W, Sec. 26, S (S)				Acres:	599.0	
Location:	SAN ELIJO LAGOON. JUST SOUTH OF CARDIFF-BY-THE-SEA.						
Detailed Location:	ALL OF THE OCCUPIED HABITAT IS SITUATED ALONG THE LAGOON MARGIN AND THE NARROW INLAND WATER COURSE.						
Ecological:	WETLAND HABITAT INTERDIGITATES WITH UPLANDS GIVING HIGH EDGE EXPOSURE. NO TIDAL WASH. 1985: 250 ACRES OF MARSH, WITH 100 ACRES OF FRESHWATER MARSH. 2007: DESPITE MAJOR EFFORTS TO RESTORE TIDAL FUNCTION, LAGOON STILL CLOSES REGULARLY.						
General:	1981-5 PAIR; '82-4; '83-4; '84-10; '85-1; '86 0; '87-2; '88-5 + 9 M; '89-7 + SIN; '90-5 + SIN; '91-5; '92-4 + SIN; '93-6 + SIN; '94-1+ SIN; '95-3 + SIN; '96-3; '97-8; '98-3; '99-5; '00, '01-1; '02-2; '03-7; '04-7; '05-6; '06-15; '07-12.						
Owner/Manager:	DFG, PVT, SDG COUNTY						

Occurrence No.	17	Map Index:	03510	EO Index:	13040	Element Last Seen:	1984-03-16
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2007-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2008-05-07
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24537 / -117.27906				Accuracy:	non-specific area	
UTM:	Zone-11 N3678523 E474003				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 02 (S)				Acres:	47.7	
Location:	GUAJOME LAKE MARSH, 5 MILES NE OF CARLSBAD, ON HWY 76.						
Detailed Location:	APPROXIMATELY 20 ACRES OF MARSH IN 1985.						
Ecological:	A FRESHWATER WETLAND LOCATED ALONG THE SAN LUIS REY RIVER ABOUT 7.5 MILES FROM THE COAST. THIS IS AN UNUSUAL HABITAT FOR THE RAILS AND IS FURTHER TESTIMONY TO THE ABILITY OF THESE RAILS TO OCCASIONALLY COLONIZE AN INLAND WETLAND.						
General:	THIS SITE HAS BEEN SURVEYED ALMOST EVERY YEAR BETWEEN 1982 & 2007. 1 PR OBSERVED IN 1983, 2 PR OBSERVED IN 1984, NONE OBSERVED 1985-2007.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	28	Map Index:	33747	EO Index:	34154	Element Last Seen:	2007-06-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2008-05-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17255 / -117.34981				Accuracy:	non-specific area	
UTM:	Zone-11 N3670470 E467386				Elevation (ft):	10	
PLSS:	T11S, R05W, Sec. 36 (S)				Acres:	182.7	
Location:	BUENA VISTA LAGOON. NEAR THE INTERSECTION OF HWY 78 AND I-5, BETWEEN OCEANSIDE AND CARLSBAD.						
Detailed Location:							
Ecological:	THE MOST FRESHWATER ORIENTED OF THE OPEN WATER LAGOONS IN NORTHERN SAN DIEGO COUNTY, BUT IT INCLUDES A BELT OF SALT MARSH PLANTS BETWEEN THE UPLANDS AND REEDS THAT IS ESSENTIAL FOR FORAGING RAILS.						
General:	SITE SURVEYED SINCE 1980. '83: FALL/WINTER OBS. '90: UNPAIRED RAILS OBS. '91:2 PAIR, '92: 5, '93:2, '94:3, '95:1, '96:6, '97:7, '98:44, '99:5, '00:5, '01:3, '02:6, '03 & '04:5, '05:6, '06 & '07:8.						
Owner/Manager:	DFG-BUENA VISTA LAGOON ER						

Occurrence No.	32	Map Index:	03526	EO Index:	72159	Element Last Seen:	2007-06-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Increasing	Record Last Updated:	2008-05-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08953 / -117.29180				Accuracy:	non-specific area	
UTM:	Zone-11 N3661250 E472768				Elevation (ft):	3	
PLSS:	T12S, R04W, Sec. 34 (S)				Acres:	790.7	
Location:	BATIQUITOS LAGOON, JUST NORTH OF LEUCADIA.						
Detailed Location:							
Ecological:	2007: MAJOR MARSH RESTORATION PROJECT COMPLETED; SINCE MOUTH OF LAGOON OPENED TO THE OCEAN IN DEC 1996 THE RAIL HABITAT HAS BEEN INCREASING & IMPROVING. CORDGRASS IN THE WEST BASIN IS EXTENSIVE & LOOKS VIGOROUS.						
General:	NO RAILS 1980-84, '89 & '92. NO SURVEY '85-'88, '90-'91 & '95: SINGLE BIRDS OBS. '93 & '94:1 PR & SINGLES OBS. '96 -'97:2PR. '98:1PR. '99:3PR. '00:2 & SINGLES. '01-'02:3PR & SINGLES. '04:11PR. '05: 16 & SINGLES. '06:19 & SINGLES. '07:22 PR.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						



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Occurrence No.	37	Map Index:	A1856	EO Index:	103450	Element Last Seen:	2017-04-30
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2017-04-30		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2018-01-23		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03312 / -117.23827			Accuracy:	80 meters		
UTM:	Zone-11 N3654984 E477750			Elevation (ft):	27		
PLSS:	T13S, R03W, Sec. 19, NW (S)			Acres:	5.0		
Location:	TRIBUTARY ON NW SIDE OF ESCONDIDO CREEK, ABOUT 0.3 MILES S OF MANCHESTER AVE AT RANCHO SANTA FE RD IN OLIVENHAIN.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	ALKALI FRESHWATER MARSH, SCHOENOPLECTUS CALIFORNICUS ON SIDE TRIBUTARY TO ESCONDIDO CREEK. PREVIOUSLY GRAZED AREA THAT HAD BEEN FALLOW FOR ABOUT A YEAR AT THE TIME OF THE 2016 DETECTION.						
General:	ADVERTISING "KEK" CALLS OF SINGLE MALE BIRD HEARD OVER 2 DAYS, 26-17 MAR 2016. 2 MALES HEARD KEKKING FROM 25 TO 30 APR 2017.						
Owner/Manager:	PVT						
Charadrius nivosus nivosus				Element Code: ABNNB03031			
western snowy plover							
Listing Status:	Federal:	Threatened		CNDDDB Element Ranks:	Global:	G3T3	
	State:	None			State:	S3	
	Other:	CDFW_SSC-Species of Special Concern					
Habitat:	General:	SANDY BEACHES, SALT POND LEVEES AND SHORES OF LARGE ALKALI LAKES.					
	Micro:	NEEDS SANDY, GRAVELLY OR FRIABLE SOILS FOR NESTING.					
Occurrence No.	23	Map Index:	03526	EO Index:	25320	Element Last Seen:	1998-08-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1998-08-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Fluctuating	Record Last Updated:	2000-09-25		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08953 / -117.29180			Accuracy:	non-specific area		
UTM:	Zone-11 N3661250 E472768			Elevation (ft):	3		
PLSS:	T12S, R04W, Sec. 34 (S)			Acres:	790.7		
Location:	BATIQUITOS LAGOON, JUST NORTH OF LEUCADIA.						
Detailed Location:	IN 1995 ALL OF THE NESTING TOOK PLACE ON A NEWLY CONSTRUCTED LEAST TERN NESTING AREA JUST EAST OF I-5 ON THE SOUTH END OF THE LAGOON.						
Ecological:	SITE USED BY BOTH BREEDING & WINTERING BIRDS. IN 1995 HABITAT RESTORATION WAS TAKING PLACE. ALSO MOUTH OF LAGOON WAS CLOSED THROUGHOUT BREEDING SEASON & HIGH WATER LEVELS INUNDATED SALT PANNE/MUDFLATS ON NORTH & EAST SIDES.						
General:	1932-36: 3 EGG SETS; 3 PR OBS 1969; 1970: 18 ADULTS/1 NEST OBS; 1971: 75 ADULTS/5 NESTS OBS; 1973-85: 1-79 PRS OBS YEARLY, 0-40 FLDGD. 1994: 5 NESTS/12 EGGS. 1995: 15 NESTS/ 40 EGGS/17 FLDGD. 1996: 39 NESTS, 1997: 38 NESTS, 1998: 26 NESTS.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						



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Occurrence No.	24	Map Index:	03567	EO Index:	21646	Element Last Seen:	1978-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1995-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1998-07-15		
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01150 / -117.26148			Accuracy:	non-specific area		
UTM:	Zone-11 N3652592 E475576			Elevation (ft):	10		
PLSS:	T13S, R04W, Sec. 26 (S)			Acres:	599.0		
Location:	SAN ELIJO LAGOON.						
Detailed Location:							
Ecological:	NO SUITABLE NESTING HABITAT WAS AVAILABLE ALONG THE PERIMETER OF THE LAGOON IN 1995.						
General:	ONE NEST FOUND BY P. JORGENSEN IN 1976. 12 PAIRS AND ONE BROOD OBSERVED DURING THE 1978 STUDY. ABOUT 10 PLOVERS OBSERVED DURING THE WINTER OF 1995 BUT NO EVIDENCE OF BREEDING.						
Owner/Manager:	DFG, PVT, SDG COUNTY						

Occurrence No.	25	Map Index:	15991	EO Index:	25765	Element Last Seen:	1978-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1978-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1998-07-14		
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14294 / -117.32982			Accuracy:	non-specific area		
UTM:	Zone-11 N3667182 E469239			Elevation (ft):	10		
PLSS:	T12S, R04W, Sec. 08 (S)			Acres:	243.1		
Location:	AGUA HEDIONDA LAGOON, JUST SOUTH OF CARLSBAD.						
Detailed Location:							
Ecological:	AREA USED BY WINTERING BIRDS ALSO.						
General:	9 ADULTS OBSERVED BY KRISTEN BENDER DURING MAY-JUNE OF 1973. 60 ADULTS REPORTED TO B. MASSEY DURING MAY-JUNE OF 1975. 2 NESTS REPORTED BY PAUL JORGENSEN IN 1977. 27 PAIRS, 6 BROODS, AND 2 NESTS OBSERVED DURING 1978 STUDY.						
Owner/Manager:	CITY OF CARLSBAD, OTHER						



Occurrence No.	26	Map Index:	33747	EO Index:	13034	Element Last Seen:	1951-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1995-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17255 / -117.34981				Accuracy:	non-specific area	
UTM:	Zone-11 N3670470 E467386				Elevation (ft):	10	
PLSS:	T11S, R05W, Sec. 36 (S)				Acres:	182.7	
Location:	BUENA VISTA LAGOON, APPROXIMATELY 2 MILES SOUTH OF OCEANSIDE.						
Detailed Location:							
Ecological:	IN 1995 THE HABITAT ALONG THE LAGOON EDGES CONSISTED OF CATTAILS & BULRUSH. SOME BARE DIRT AREAS ON THE NE SHORE WHERE PEOPLE PARKED FOR FISHING. THE LAGOON MOUTH WAS BLOCKED BY SAND & COBBLE & ONLY THE HIGHEST TIDES ENTERED THE LAGOON.						
General:	FOUR-CHICK BROOD (QUESTIONABLE SIGHTING, AS FAR AS NUMBER OF CHICKS) OBSERVED IN 1951. AREA CHECKED IN 1977, 1978 & 1995, WITH NEGATIVE RESULTS. HABITAT HAS BEEN MADE UNSUITABLE BY HUMAN ACTIVITY/DEVELOPMENT.						
Owner/Manager:	DFG-BUENA VISTA LAGOON ER						
<i>Sternula antillarum browni</i>							
						Element Code: ABNNM08103	
California least tern							
Listing Status:	Federal:	Endangered			CNDDDB Element Ranks:	Global:	G4T2T3Q
	State:	Endangered				State:	S2
	Other:	CDFW_FP-Fully Protected					
Habitat:	General:	NESTS ALONG THE COAST FROM SAN FRANCISCO BAY SOUTH TO NORTHERN BAJA CALIFORNIA.					
	Micro:	COLONIAL BREEDER ON BARE OR SPARSELY VEGETATED, FLAT SUBSTRATES: SAND BEACHES, ALKALI FLATS, LAND FILLS, OR PAVED AREAS.					
Occurrence No.	22	Map Index:	03445	EO Index:	25691	Element Last Seen:	1981-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1996-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-08-10
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14086 / -117.31542				Accuracy:	non-specific area	
UTM:	Zone-11 N3666947 E470581				Elevation (ft):	5	
PLSS:	T12S, R04W, Sec. 08 (S)				Acres:	76.3	
Location:	SALT FLAT 0.3 MI EAST OF AGUA HEDIONDA LAGOON.						
Detailed Location:	IN 1978 MOST OF THE NESTS WERE ON A FLAT AREA JUST EAST OF THE BEND IN PARK DRIVE; AT LEAST 3 PAIR NESTED ON THE MUDFLAT SOUTH OF PARK DRIVE & JUST EAST OF INTERSECTION WITH VALENCIA AVE.						
Ecological:							
General:	TERNS NESTED HERE FROM 1973-1981. 1978: 11-15 PRS NESTED. 1979: 23-28 PRS NESTED (THE HIGHEST NUMBERS RECORDED). 1980: 11-12 PRS NESTED. 1981: 2-6 PRS NESTED. SITE CHECKED BUT UNUSED 1991, 1992, 1996. REHABILITATION OF AREA IS POSSIBILITY.						
Owner/Manager:	DFG-AGUA HEDIONDA LAGOON ER						



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Occurrence No.	23	Map Index:	03526	EO Index:	13002	Element Last Seen:	1996-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Increasing	Record Last Updated:	1998-07-17
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08953 / -117.29180				Accuracy:	non-specific area	
UTM:	Zone-11 N3661250 E472768				Elevation (ft):	3	
PLSS:	T12S, R04W, Sec. 34 (S)				Acres:	790.7	
Location:	BATIQUITOS LAGOON. WEST OF EL CAMINO REAL & NORTH OF LA COSTA AVE. NORTH OF LEUCADIA.						
Detailed Location:	IN VARIOUS YEARS NESTING LOCATIONS SUBDIVIDED INTO "MOUTH", "PARK & RIDE", "EAST", NORTHEAST, W1, W2, & E1. 2 NEW SITES CREATED IN 1996. "E2" (N SIDE OF E BASIN AT E END OF LAGOON), & "E3" (DREDGE SPOIL ISLAND IN E PART OF E BASIN).						
Ecological:							
General:	1977: 11 PRS NESTED, UNKNOWN NO. FLEDGED. 1990: 27 PRS, 26 FLEDGLINGS. 1991: 35 PRS, 28-38 FLEDGLINGS. 1992: 11 PRS 3-5 FLEDGLINGS. 1996: 205 PRS, 228 FLEDGLINGS.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						

Occurrence No.	24	Map Index:	03567	EO Index:	25687	Element Last Seen:	1996-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	1998-07-17
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01150 / -117.26148				Accuracy:	non-specific area	
UTM:	Zone-11 N3652592 E475576				Elevation (ft):	10	
PLSS:	T13S, R04W, Sec. 26 (S)				Acres:	599.0	
Location:	SAN ELIJO LAGOON. EAST OF CARDIFF STATE BEACH.						
Detailed Location:	IN 1977 MAJORITY OF USE WAS ON MUDFLATS AT SOUTH PART OF BASIN ALONG RIOS AVE. NESTING SITES SUBDIVIDED INTO ISLANDS & SALTPAN.						
Ecological:							
General:	1977: ALL 4 NESTS FAILED, BUT FLOCKS OF 20-60 BIRDS, INCLUDING FLEDGLINGS, USED MUDFLATS FOR ROOSTING & CHANNELS FOR FEEDING. 1990: 11 PRS, 3 FLEDGLINGS. 1991: 10-18 PRS, 5 FLEDGLINGS. 1992: 22 PRS, 2 FLEDGLINGS. 1996: 2 PRS, 3 FLEDGLINGS.						
Owner/Manager:	DFG, PVT, SDG COUNTY						



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Occurrence No.	43	Map Index:	03510	EO Index:	25669	Element Last Seen:	1975-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1975-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24537 / -117.27906				Accuracy:	non-specific area	
UTM:	Zone-11 N3678523 E474003				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 02 (S)				Acres:	47.7	
Location:	GUAJOME LAKE, 5 MILES NE OF CARLSBAD.						
Detailed Location:							
Ecological:							
General:	15-40 USED THE SITE ALL SEASON (SPRING AND SUMMER).						
Owner/Manager:	SDG COUNTY						

Occurrence No.	46	Map Index:	33747	EO Index:	25671	Element Last Seen:	1992-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1992-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1998-07-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17255 / -117.34981				Accuracy:	non-specific area	
UTM:	Zone-11 N3670470 E467386				Elevation (ft):	10	
PLSS:	T11S, R05W, Sec. 36 (S)				Acres:	182.7	
Location:	BUENA VISTA LAGOON BETWEEN OCEANSIDE AND CARLSBAD.						
Detailed Location:	IN 1977 AN OLD BOAT HOUSE IN THE LAGOON EAST OF I-5 SERVED AS A ROOST PLATFORM FOR 20-60 ADULTS. TERNS SEEN FISHING THROUGHOUT THE LAGOON ALL SUMMER SUGGESTING THAT THIS WAS A MAJOR SOURCE OF THEIR FOOD SUPPLY.						
Ecological:	SITE USED FREQUENTLY AS A FEEDING AND POST-BREEDING STAGING AREA, AND INFREQUENTLY AS A NESTING AREA DUE TO LACK OF SUITABLE HABITAT.						
General:	1969: 10 PAIRS NESTED; 1974: 1 PR SEEN, BUT NO NESTING ATTEMPTED. 1978-79 NO NESTING, 1980: 1 PR NESTED, 1981: 2-3 PRS NESTED, NO NESTING IN 1987, 1988, 1990, OR 1991. IN 1992: 3 PRS NESTED BUT NO FLEDGLINGS DUE TO PREDATION BY RACOONS.						
Owner/Manager:	DFG-BUENA VISTA LAGOON ER						



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Coccyzus americanus occidentalis

Element Code: ABNRB02022

western yellow-billed cuckoo

Listing Status: **Federal:** Threatened

CNDDB Element Ranks: **Global:** G5T2T3

State: Endangered

State: S1

Other: BLM_S-Sensitive, USFS_S-Sensitive

Habitat: **General:** RIPARIAN FOREST NESTER, ALONG THE BROAD, LOWER FLOOD-BOTTOMS OF LARGER RIVER SYSTEMS.

Micro: NESTS IN RIPARIAN JUNGLES OF WILLOW, OFTEN MIXED WITH COTTONWOODS, WITH LOWER STORY OF BLACKBERRY, NETTLES, OR WILD GRAPE.

Occurrence No.	211	Map Index:	96065	EO Index:	97216	Element Last Seen:	2011-07-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2011-07-13
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2015-05-08

Quad Summary: Bonsall (3311732)

County Summary: San Diego

Lat/Long:	33.31233 / -117.19398	Accuracy:	specific area
UTM:	Zone-11 N3685930 E481942	Elevation (ft):	200
PLSS:	T10S, R03W, Sec. 16 (S)	Acres:	15.0

Location: NORTH SIDE OF SAN LUIS REY RIVER, FROM ABOUT 0.2 TO 0.5 MILE SE OF INTERSECTION OF HIGHWAY 75 AND GIRD ROAD, FALLBROOK.

Detailed Location: MAPPED TO PROVIDED MAP AND COORDINATES.

Ecological: SOUTH-FACING SLOPE IN SOUTHERN COTTONWOOD WILLOW RIPARIAN FOREST ALONG THE SAN LUIS REY RIVER. 0-20% SLOPE. VISIBLE DISTURBANCE FROM NON-NATIVE PLANTS INCLUDING TAMARISK AND ARUNDO.

General: 1 BIRD SEEN AND HEARD CALLING ON 7 JUL AND 11 JUL 2011. 2 BIRDS SEEN TRAVELING TOGETHER AND HEARD CALLING ON 13 JUL 2011. PROBABLE BREEDING, FURTHER SURVEY NEEDED TO CONFIRM.

Owner/Manager: STATE

Occurrence No.	213	Map Index:	04194	EO Index:	97229	Element Last Seen:	1932-07-02
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:			1932-07-02
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2015-05-12

Quad Summary: Escondido (3311711), Valley Center (3311721)

County Summary: San Diego

Lat/Long:	33.11476 / -117.07809	Accuracy:	1 mile
UTM:	Zone-11 N3664012 E492714	Elevation (ft):	700
PLSS:	T12S, R02W, Sec. 22 (S)	Acres:	0.0

Location: ESCONDIDO.

Detailed Location: MAPPED GENERALLY TO PROVIDED LOCALITY. EXACT COLLECTION AND DETECTION LOCATIONS UNKNOWN.

Ecological: AS OF 1916: NOT COMMON IN THE AREA; A GOOD RAIN YEAR IN 1915 MAY HAVE RESULTED IN A FLUSH OF VEGETATION THAT ATTRACTED MORE BIRDS THAN USUAL. BIRDS OBSERVED IN WILLOW THICKETS.

General: DETECTED AND COLLECTED IN 1896. 1 ADULT FEMALE WITH BROOD PATCH COLLECTED 30 JUN 1915, ANOTHER ADULT AND YOUNG SEEN AND HEARD IN SUBSEQUENT WEEKS. 2 EGGS COLLECTED 2 JUL 1932 (PER WILLETT 1933).

Owner/Manager: UNKNOWN



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Athene cunicularia

Element Code: ABNSB10010

burrowing owl

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: None **State:** S2
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern
Habitat: **General:** OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.
Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 567 **Map Index:** 04194 **EO Index:** 51254 **Element Last Seen:** 1924-05-10
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1924-05-10
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-05-09

Quad Summary: Escondido (3311711), Valley Center (3311721)

County Summary: San Diego

Lat/Long: 33.11476 / -117.07809 **Accuracy:** 1 mile
UTM: Zone-11 N3664012 E492714 **Elevation (ft):** 600
PLSS: T12S, R02W, Sec. 22 (S) **Acres:** 0.0

Location: ESCONDIDO.

Detailed Location:

Ecological: 1904 COLLECTION FROM SALTGRASS PASTURE IN LOW BOTTOM LANDS.

General: MVZ EGG SET #384 COLLECTED 12 APR 1904 BY JAMES & JOSEPH DIXON AND #13303 & 13304 COLLECTED 10 MAY 1924 BY JAMES DIXON.

Owner/Manager: UNKNOWN

Empidonax traillii extimus

Element Code: ABPAE33043

southwestern willow flycatcher

Listing Status: **Federal:** Endangered **CNDDB Element Ranks:** **Global:** G5T2
State: Endangered **State:** S3
Other:
Habitat: **General:** RIPARIAN WOODLANDS IN SOUTHERN CALIFORNIA.
Micro: ☐



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Occurrence No.	9	Map Index:	51564	EO Index:	51564	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-18
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36109 / -117.08831				Accuracy:	1/10 mile	
UTM:	Zone-11 N3691322 E491784				Elevation (ft):	360	
PLSS:	T09S, R02W, Sec. 28, SE (S)				Acres:	0.0	
Location:	SAN LUIS REY RIVER, APPROXIMATELY 0.7 MILE WSW OF PALA.						
Detailed Location:	HABITAT SUITABLE IN SIZE, LOCATION & STUCTURE FOR NESTING, HOWEVER NESTING WAS NOT EVIDENT. RECENT BREEDING HAS OCCURRED IN COUSER CANYON, 3 MILES TO THE SOUTH. ACCIPITER COOPERII, ELANUS LEUCURUS, CNEMIDOPHORUS HYPERYTHRUS IN VICINITY.						
Ecological:	HABITAT CONSISTS OF MATURE SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST WITH IRREGULARLY SCATTERED NON-NATIVE TREES. RIPARIAN ALONG SOUTHERN EDGE OF RIVER DOMINATED BY WHITE ALDER. THAMNOPHIS HAMMONDII, BUFO CALIFORNICUS, OTHERS SPP IN VIC.						
General:	1 MALE AND 1 FEMALE(?) OBSERVED BETWEEN THIS OCCURRENCE & OCCURRENCE TO THE SE (OCC #10). SIGHTING TOOK PLACE ON 26 MAY, 6 JUN & 7 JUL 2000. SITE HAS EXPERIENCED REDUCED WATER FLOW RESULTING FROM LOW RAINFALL AND LOWERING OF GROUND TABLE.						
Owner/Manager:	PVT						
Occurrence No.	10	Map Index:	51572	EO Index:	51572	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-18
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35853 / -117.08231				Accuracy:	1/10 mile	
UTM:	Zone-11 N3691037 E492341				Elevation (ft):	370	
PLSS:	T09S, R02W, Sec. 27, SW (S)				Acres:	0.0	
Location:	SAN LUIS REY RIVER, APPROXIMATELY 0.5 MILE SW OF PALA.						
Detailed Location:	HABITAT SUITABLE IN SIZE, LOCATION & STUCTURE FOR NESTING, HOWEVER NESTING WAS NOT EVIDENT. RECENT BREEDING HAS OCCURRED IN COUSER CANYON, 3 MILES TO THE SOUTH. ACCIPITER COOPERII, ELANUS LEUCURUS, CNEMIDOPHORUS HYPERYTHRUS IN VICINITY.						
Ecological:	HABITAT CONSISTS OF MATURE SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST WITH IRREGULARLY SCATTERED NON-NATIVE TREES. RIPARIAN ALONG SOUTHERN EDGE OF RIVER DOMINATED BY WHITE ALDER. ICTERIA VIRENS, ASPIDOSCELIS HYPERYTHRA, OTHER SPP IN VIC.						
General:	1 MALE AND 1 FEMALE(?) OBSERVED BETWEEN THIS OCCURRENCE & OCCURRENCE TO THE NW (OCC #9). SIGHTING TOOK PLACE ON 26 MAY, 6 JUN & 7 JUL 2000. SITE HAS EXPERIENCED REDUCED WATER FLOW RESULTING FROM LOW RAINFALL AND LOWERING OF GROUND TABLE.						
Owner/Manager:	PVT						



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Occurrence No.	11	Map Index:	53337	EO Index:	53337	Element Last Seen:	2003-07-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-17
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24796 / -117.26668				Accuracy:	80 meters	
UTM:	Zone-11 N3678808 E475157				Elevation (ft):	120	
PLSS:	T11S, R04W, Sec. 02, E (S)				Acres:	0.0	
Location:	OLD RIVER CLUB; EAST OF GUAJOME LAKE, JUST SOUTH OF HWY 76 & NORTH OF GUAJOME LAKE ROAD, OCEANSIDE.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES (NAD 27).						
Ecological:	MOSTLY DISTURBED RIPARIAN AREA MIXED W/NON-NATIVE PLANTS (TAMARIX RAMOSISSIMA, MYOPORUM LAETUM, PALM TREES, EUCALYPTUS SP.) & NATIVE PLANTS (SALIX LAEVIGATA, CAREX SP, SAMBUCAS MEXICANA). DEVELOPMENT TO E, RESIDENTIAL TO S & W, HWY 76 TO N.						
General:	1 OBS ON 14 JUN 2003-RESPONDED TO TAPE, WHITTED 4X. INDIVIDUAL MOST LIKELY A NEW ARRIVAL & HAD NOT YET ESTABLISHED A TERRITORY. THE BIRD WAS NOT OBSERVED ON SUBSEQUENT VISITS. BROWN-HEADED COWBIRDS DETECTED ON ALL VISITS. YWAR, YBCH IN VIC.						
Owner/Manager:	PVT						

Occurrence No.	13	Map Index:	54115	EO Index:	54115	Element Last Seen:	2002-08-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-08-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-11
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05874 / -117.03202				Accuracy:	1/5 mile	
UTM:	Zone-11 N3657799 E497009				Elevation (ft):	330	
PLSS:	T13S, R02W, Sec. 12 (S)				Acres:	0.0	
Location:	ALONG THE SAN DIEGUITO RIVER, EAST OF LAKE HODGES, 2.2 MILES EAST OF I-395.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SALIX SPP, PLATANUS RACEMOSA, LEPIDIUM LATIFOLIUM, MULEFAT AND TAMARIX. CURRENT/SURROUNDING LAND USE IS AGRICULTURE AND RECREATION (HIKING).						
General:	2 BREEDING ADULTS DETECTED BETWEEN 22 MAY 1998 AND 27 JUN 1998. 1 ADULT OBSERVED 3 JUL - 2 AUG 2002. THIS AREA IS USED FOR BREEDING.						
Owner/Manager:	CITY OF SAN DIEGO						



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Occurrence No.	14	Map Index:	54151	EO Index:	54151	Element Last Seen:	2007-07-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-11-25
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24074 / -117.33620				Accuracy:	specific area	
UTM:	Zone-11 N3678027 E468678				Elevation (ft):	50	
PLSS:	T11S, R04W, Sec. 07, NE (S)				Acres:	28.7	
Location:	SAN LUIS REY RIVER, SOUTH END OF WHELAN LAKE, 3.5 MILES NE OF OCEANSIDE.						
Detailed Location:	PART OF SURVEY SITES "SAN LUIS REY (SLR)," "SLR WHELAN," " LSLR - WHELAN CANAL TO FOUSSAT RD." SPECIFIC LOCATIONS PROVIDED BY MAP OR COORDINATES.						
Ecological:	MIXED RIPARIAN DOMINATED BY WILLOW, COTTONWOOD & CATTAILS. DENSE STANDS 6-10 M TALL. EXOTICS: POISON HEMLOCK & GIANT REED. WATER PRESENT THROUGHOUT SEASON. OVERALL SITE QUALITY DESCRIBED AS FAIR (1), GOOD (7), & EXCELLENT (2).						
General:	MONITORED REGULARLY IN MAY - JUL/AUG. 2001: 4 PAIRS, 1+ YOUNG & 3+ NESTS. 2002: 2 PAIRS. 2003: 2 PAIRS & 2 YOUNG. 2004: 3 PAIRS (2 SUCCESSFUL, 1 UNSUCCESSFUL). 2005: 3 PAIRS. 2006: 5 PAIR LOCS & 3- YOUNG. 2007: 1 PAIR. 2008: 1 TRANSIENT.						
Owner/Manager:	CITY OF OCEANSIDE, DOD-COE						

Occurrence No.	15	Map Index:	54214	EO Index:	54214	Element Last Seen:	2005-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-06-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-02-18
Quad Summary:	San Luis Rey (3311723), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25459 / -117.27838				Accuracy:	specific area	
UTM:	Zone-11 N3679547 E474069				Elevation (ft):	90	
PLSS:	T11S, R04W, Sec. 02, NW (S)				Acres:	83.5	
Location:	SAN LUIS REY RIVER, NORTH OF GUAJOME LAKE, OCEANSIDE.						
Detailed Location:	PART OF SURVEY SITES "SAN LUIS REY RIVER", "SLR - GUAJOME," "COLLEGE BASIN" & "GUAJOME UPPER." LOCATIONS PROVIDED BY MAP AND/OR COORDINATES. MAPPED TO ENCOMPASS ALL TERRITORIAL LOCATIONS.						
Ecological:	VEGETATION: SALIX SPP. POPULUS, PLATANUS RACEMOSA, ARUNDO DONAX, MULEFAT, TAMARIX & TYPHA. MOLOTHRUS ATER, CATTLE PRESENT AT SITE. CANOPY=7 M. WATER PRESENT THROUGHOUT SEASON. SURROUNDING LAND: DEVELOPMENT, AGRICULTURE, PARK.						
General:	2001: 2 (P)AIRS, 2 (T)ERRITORIAL (M)ALES, 2 NESTS, 2+ (J)UVENILES. 2002: 3 (P), 1 (TM), 1 (M)IGRANT. 2003: 4 (P), 2 (TM), 1 (J), 1 (M). 2004: 3 (P) (2 WITH SAME MALE), 3 (J). 2005: 2 (P). 2006: NONE. 2007: 1 (M). 2008: NONE DETECTED.						
Owner/Manager:	CITY OF OCEANSIDE, PVT						



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Occurrence No.	17	Map Index:	54285	EO Index:	54285	Element Last Seen:	2006-07-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-07-22
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2010-02-10
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33659 / -117.32166				Accuracy:	specific area	
UTM:	Zone-11 N3688649 E470066				Elevation (ft):	60	
PLSS:	T10S, R04W, Sec. 05, E (S)				Acres:	17.0	
Location:	JUST N TO NNE OF O'NEILL LAKE, CAMP PENDLETON MCB.						
Detailed Location:	PART OF SURVEY SITES "SANTA MARGARITA RIVER" & "O'NEIL LAKE/FALLBROOK CREEK." SPECIFIC LOCATIONS PROVIDED BY MAP OR COORDINATES. MAPPED TO TERRITORIAL LOCATIONS.						
Ecological:	HABITAT CONSISTS OF WILLOW WITH WETLAND SPECIES. EXOTIC: ARUNDO (GIANT REED). CANOPY HEIGHT = 11 M. SURFACE WATER/SATURATED SOIL PRESENT. MOLOTHRUS ATER PRESENT ALONG SANTA MARGARITA RIVER. SURROUNDING AREA: RECREATION, MILITARY.						
General:	2000: 1 TERRITORIAL MALE. 2001: 1 PAIR. 2002: 1 PAIR, 3 YOUNG & 1 MIGRANT. 2003: 1 PAIR, 4 YOUNG & 1 TERRITORIAL MALE. 2004: 1 PAIR & 2 MIGRANTS. 2005: 1 TERRITORIAL MALE & 1 MIGRANT. 2006: 2 TERRITORIAL MALES. 2007/2008: MIGRANTS ONLY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	18	Map Index:	54289	EO Index:	54289	Element Last Seen:	2003-07-31
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-07-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-02-10
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33453 / -117.33148				Accuracy:	specific area	
UTM:	Zone-11 N3688423 E469151				Elevation (ft):	100	
PLSS:	T10S, R04W, Sec. 05, SW (S)				Acres:	17.1	
Location:	ALONG THE SANTA MARGARITA RIVER, 0.4 MILE WEST OF O'NEILL LAKE, CAMP PENDLETON MCB.						
Detailed Location:	PART OF SANTA MARGARITA RIVER SURVEY SITES "BELOW HOSPITAL - WEST" & "BELOW HOSPITAL - EAST." TERRITORIAL DETECTIONS PRIMARILY IN NW-MOST "BELOW HOSPITAL - EAST." MAPPED TO PAIR, TERRITORIAL MALE, & FLOATER LOCATIONS.						
Ecological:	DOMINANTS: WILLOW, SYCAMORE, MULEFAT. EXOTICS: GIANT REED, BLACK MUSTARD, POISON HEMLOCK, TAMARISK. SURROUNDING LAND USED FOR MILITARY ACTIVITY. VIREO BELLII PUSILLUS ALSO OFTEN OBSERVED IN VICINITY. SITE QUALITY: FAIR, GOOD, EXCELLENT.						
General:	2000: MIGRANT ONLY. 2002: 1 PAIR & MIGRANTS. 2003: 1 TERRITORIAL MALE, 1 FLOATER & A MIGRANT. 2004: 1 MIGRANT. 2005: NONE DETECTED IN E OR W BELOW HOSPITAL. 2006: 1 MIGRANT IN VIC. 2007: MIGRANTS IN VICINITY. 2008: NONE DETECTED HERE.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	19	Map Index:	54293	EO Index:	54293	Element Last Seen:	2008-07-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-07-23
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2009-09-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29304 / -117.36812				Accuracy:	specific area	
UTM:	Zone-11 N3683835 E465725				Elevation (ft):	50	
PLSS:	T10S, R05W, Sec. 23, E (S)				Acres:	87.0	
Location:	SANTA MARGARITA RIVER IN VICINITY OF STAGECOACH RD/RIFLE RANGE RD AT VANDEGRIFT BLVD, CAMP PENDLETON.						
Detailed Location:	PART OF SANTA MARGARITA RIVER SURVEY SITES "RIFLE RANGE," "AIR STATION EAST" & "MARINE CORPS AIR STATION (MCAS)." MAPPED TO LOCATIONS OF PAIRS, TERRITORIAL SINGLE MALES, AND FLOATERS.						
Ecological:	DOMINANT PLANTS: WILLOW, SYCAMORE, MULEFAT. EXOTICS: BLACK MUSTARD, TAMARISK, POISON HEMLOCK, GIANT REED, THISTLE, ARUNDO, OX-TONGUE. SURROUNDING LAND USED FOR MILITARY TRAINING. OVERALL SITE QUALITY DESCRIBED AS GOOD & FAIR.						
General:	2000: 3 PAIRS. 2001: 3 PAIRS. 2002: 1 PAIR, 1 MIGRANT. 2003: 1 TERRITORIAL MALE. 2004: 1 PAIR & MIGRANTS. 2005: 1 FLOATER (LATER FOUND IN OCC #21). 2006: 1 MIGRANT. 2007: 2 PAIRS, MIGRANTS. 2008: 2 PAIRS, 1 TERR MALE, 1 FLOATER & MIGRANTS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	21	Map Index:	54315	EO Index:	54315	Element Last Seen:	2008-08-01
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-09-29
Quad Summary:	Morro Hill (3311733), Las Pulgas Canyon (3311734)						
County Summary:	San Diego						
Lat/Long:	33.27280 / -117.37262				Accuracy:	specific area	
UTM:	Zone-11 N3681593 E465297				Elevation (ft):	40	
PLSS:	T10S, R05W, Sec. 26, W (S)				Acres:	444.0	
Location:	SANTA MARGARITA RIVER BETWEEN CAMP PENDLETON RD & VANDEGRIFT BLVD, 0.5 TO 3.0 MI S OF FLORES CT, CAMP PENDLETON.						
Detailed Location:	PART OF SANTA MARGARITA SURVEY SITES "BELL SOUTH," "BELL NORTH," "EFFLUENT SEEP (TO MAPS)," "PUMP ROAD" & "RIFLE RANGE." MAPPED TO LOCATIONS OF PAIRS, TERRITORIAL SINGLE MALES, AND FLOATERS.						
Ecological:	RIPARIAN WILLOW FLOODPLAIN. DOMINANTS: WILLOW, MULEFAT, SYCAMORE, NETTLE. EXOTICS: POISON HEMLOCK, GIANT REED, BLACK MUSTARD, THISTLE, ARUNDO, TAMARISK. LAND USED FOR MILITARY. OVERALL SITE QUALITY DESCRIBED AS POOR, FAIR & (MOSTLY) GOOD.						
General:	2000: 14 (P)AIRS. 2001: 14P & 1 (T)ERRITORIAL MALE. 2002: 14P & 2T. 2003: 14P, 1T, 4 (F)LOATERS & 38 (Y)OUNG. 2004: 20P, 2T, 2F & 39Y. 2005: 17P, 3T, 3F & 29Y. 2006: 18P, 1T & 26Y. 2007: 12P, 1T & 4Y. 2008: 5P, 2T & 10Y. MIGRANTS MOST YEARS						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	23	Map Index:	54450	EO Index:	54450	Element Last Seen:	2002-08-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-08-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-02-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.34094 / -117.12835				Accuracy:	specific area	
UTM:	Zone-11 N3689092 E488055				Elevation (ft):	290	
PLSS:	T10S, R02W, Sec. 06, N (S)				Acres:	16.4	
Location:	COUSER CANYON; SAN LUIS REY RIVER, SOUTH OF STATE ROUTE 76, 2 MILES NE OF PALA MESA.						
Detailed Location:	AREA EXTENDING FROM 0.7 TO 0.28 MILE EAST OF COUSER CANYON ROAD.						
Ecological:	HABITAT CONSISTS OF WILLOW COTTONWOOD RIPARIAN COMPRISED OF SALIX SPP. AND POPULUS FREMONTII. AVERAGE CANOPY HEIGHT: 8 M. WATER PRESENT ON SITE. ADJACENT LAND COMPRISED OF RESIDENTIAL, COMMERCIAL, AGRICULTURE AND NATURAL SPACE.						
General:	1 BREEDING PAIR OBSERVED BETWEEN 15 MAY AND 31 AUG 2000. 2 NESTING PAIRS OBSERVED 12 & 18 JUL 2001; 1 PAIR PRODUCED 2+ JUVENILES IN 2001. 3 BREEDING ADULTS OBSERVED BETWEEN 3 JUL AND 2 AUG 2002.						
Owner/Manager:	PVT						

Occurrence No.	37	Map Index:	58965	EO Index:	59001	Element Last Seen:	1984-05-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-05-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-12-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18078 / -117.32723				Accuracy:	1/5 mile	
UTM:	Zone-11 N3671376 E469493				Elevation (ft):	40	
PLSS:	T11S, R04W, Sec. 32, NW (S)				Acres:	0.0	
Location:	BUENA VISTA CREEK, NEAR JCT EL CAMINO REAL AND HWY 78, NEAR CARLSBAD.						
Detailed Location:							
Ecological:	NOT GRAZED AT THE TIME OF OBSERVATION.						
General:	TWO TERRITORIAL MALES OBSERVED ON 20 MAY 1984.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	54	Map Index:	67313	EO Index:	67478	Element Last Seen:	2007-07-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-06-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-02-18
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29359 / -117.22110				Accuracy:	specific area	
UTM:	Zone-11 N3683857 E479414				Elevation (ft):	170	
PLSS:	T10S, R03W, Sec. 20, W (S)				Acres:	16.0	
Location:	SAN LUIS REY RIVER, JUST EAST OF THE INTERSECTION OF MISSION ROAD AND HWY 76 (PALA ROAD), BONSTALL.						
Detailed Location:	PART OF "UPPER SAN LUIS REY RIVER (USLR)." SURVEY AREA BY MAP & NAME, SPECIFIC LOCS BY MAP & COORDS. 2006 MAP INDICATES 3 PAIRS DETECTED, BUT FORM & REPORT COORDS SUPPORT ONLY 1 PAIR; POSSIBLY 3 LOCS FOR SAME PAIR? MAPPED TO ALL PAIR LOCS.						
Ecological:	FREMONT COTTONWOOD, RED/ARROYO WILLOW, & SANDBAR WILLOW. EXOTICS: GIANT REED & POISON HEMLOCK. CANOPY HEIGHT: 14-15 M. SURROUNDING LAND INCLUDES GOLF COURSES, SUBURBAN, AGRICULTURE, SCRUB, WOODLAND, & FALLOW FIELD.						
General:	2006: 1+ BREEDING PAIR AT THIS LOC; MIGRANTS FURTHER UPSTREAM. 2007 (SURVEYED MAY-JUL): 1 BREEDING PAIR AT THIS LOC; MIGRANTS FURTHER UPSTREAM. 2008 (SURVEYED MAY-JUN): 2 DETECTED PRIOR TO 11 JUN; MOST LIKELY TRANSIENTS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	55	Map Index:	67329	EO Index:	67494	Element Last Seen:	2006-07-11
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-09-02
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22439 / -117.34526				Accuracy:	1/10 mile	
UTM:	Zone-11 N3676216 E467828				Elevation (ft):	30	
PLSS:	T11S, R04W, Sec. 18, NW (S)				Acres:	0.0	
Location:	SAN LUIS REY RIVER, JUST NORTH OF FOUSSAT ROAD, SAN LUIS REY.						
Detailed Location:	PART OF SURVEY SITES "SAN LUIS REY (SLR)" & "LSLR - WHELAN CANAL TO FOUSSAT RD." SURVEY AREAS PROVIDED BY MAP, 2006 PAIR LOCATION PROVIDED BY MAP (KUS06F) & COORDINATES (KUS06R). MAPPED TO 2006 PAIR LOCATION.						
Ecological:	HABITAT CONSISTS OF RED/ARROYO WILLOW, BLACK WILLOW, AND FREMONT COTTONWOOD. DOMINANT EXOTIC PLANTS INCLUDE POISON HEMLOCK AND GIANT REED. SURROUNDING LAND: SUBURBAN. DISTURBANCE FROM EXTENSIVE HOMELESS ACTIVITY.						
General:	NONE DETECTED DURING SURVEYS IN 2001 OR 2002. 1 TERRITORIAL BREEDING PAIR DETECTED DURING PROTOCOL SURVEYS IN MAY-JUL 2006. NONE DETECTED DURING SURVEYS IN 2007 OR 2008. MIGRANTS OFTEN DETECTED WITHIN 1 MI OF SITE.						
Owner/Manager:	DOD-COE						



Occurrence No.	59	Map Index:	76452	EO Index:	77401	Element Last Seen:	2006-07-28
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2008-07-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2009-12-03
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35609 / -117.32615			Accuracy:	80 meters		
UTM:	Zone-11 N3690811 E469654			Elevation (ft):	130		
PLSS:	T09S, R04W, Sec. 32, NW (S)			Acres:	0.0		
Location:	SANTA MARGARITA RIVER ABOUT 0.5 MI SW OF SANTA MARGARITA ROAD AT CAMP DE LUZ ROAD, CAMP PENDLETON.						
Detailed Location:	PART OF SANTA MARGARITA SURVEY SITE "ABOVE HOSPITAL." MAPPED TO 2006 PAIR LOCATION.						
Ecological:	DOMINANT PLANTS: WILLOW, MULEFAT, SYCAMORE. EXOTICS: POISON HEMLOCK, BLACK MUSTARD, GIANT REED. CANOPY HEIGHT = 7-11 M. SURROUNDING LAND USED FOR MILITARY ACTIVITY. OVERALL SITE QUALITY DESCRIBED AS FAIR, GOOD, & EXCELLENT.						
General:	2003: MIGRANT 0.4 MI TO SW. 2005: NONE AT "ABOVE HOSPITAL." 2006: 1 PAIR DETECTED, 2 MIGRANTS WITHIN 0.4 MI NE. 2007: 4 MIGRANTS WITHIN 1 MI. 2008: MIGRANT ABOUT 0.8 MI N.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Eremophila alpestris actia</i>			Element Code: ABPAT02011
California horned lark			
Listing Status:	Federal:	None	CNDDDB Element Ranks:
	State:	None	Global: G5T4Q
	Other:	CDFW_WL-Watch List, IUCN_LC-Least Concern	State: S4
Habitat:	General:	COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.	
	Micro:	SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.	

Occurrence No.	46	Map Index:	54688	EO Index:	54688	Element Last Seen:	1999-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14698 / -117.26601				Accuracy:	1/10 mile	
UTM:	Zone-11 N3667613 E475191				Elevation (ft):	380	
PLSS:	T12S, R04W, Sec. 11, E (S)				Acres:	0.0	
Location:	NORTH OF AGUA HEDIONDA CREEK, EAST OF EL CAMINO REAL AND WEST OF MT. HINTON, ABOUT 4 MILES EAST OF CARLSBAD.						
Detailed Location:	MANDANA PROPERTY.						
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF DIEGAN COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, SYCAMORE RIPARIAN WOODLAND, SOUTHERN COAST LIVE OAK WOODLAND, FRESHWATER MARSH, CISMONTANE ALKALI MARSH, SOUTHERN MIXED CHAPARRAL AND EUCALYPTUS WOODLAND.						
General:	SPECIES OBSERVED IN 1 LOCATION BETWEEN 24 MAY AND 3 AUG 1999 DURING SURVEYS FOR OTHER SPECIES. THERE IS RESIDENTIAL TO THE NORTH OF SITE AND INDUSTRIAL SOUTH OF THE CREEK. ICTERIA VIRENS & 1 EMPIDONAX TRAILLII IN VICINITY.						
Owner/Manager:	PVT						



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Riparia riparia

Element Code: ABPAU08010

bank swallow

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: Threatened **State:** S3
Other: BLM_S-Sensitive, IUCN_LC-Least Concern
Habitat: **General:** COLONIAL NESTER; NESTS PRIMARILY IN RIPARIAN AND OTHER LOWLAND HABITATS WEST OF THE DESERT.
Micro: REQUIRES VERTICAL BANKS/CLIFFS WITH FINE-TEXTURED/SANDY SOILS NEAR STREAMS, RIVERS, LAKES, OCEAN TO DIG NESTING HOLE.

Occurrence No. 104 **Map Index:** 27999 **EO Index:** 85301 **Element Last Seen:** 1925-05-09
Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1925-05-09
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2013-08-07

Quad Summary: San Luis Rey (3311723), Oceanside (3311724)

County Summary: San Diego

Lat/Long: 33.19540 / -117.37726 **Accuracy:** 1 mile
UTM: Zone-11 N3673012 E464835 **Elevation (ft):** 65
PLSS: T11S, R05W, Sec. 26 (S) **Acres:** 0.0

Location: OCEANSIDE.

Detailed Location: LOCATION STATED AS "OCEANSIDE." EXACT LOCATION UNKNOWN AND SO MAPPED TO INCLUDE THE COASTLINE AT OCEANSIDE.

Ecological: IT IS POSSIBLE THAT SOME OF THE REPORTED COLONIES IN SAN DIEGO MAY HAVE BEEN NORTHERN ROUGH-WINGED SWALLOWS; HOWEVER, THE SETS WERE TAKEN BY "OTHERWISE RELIABLE COLLECTORS" (WV).

General: 4 EGGS COLLECTED BY HARRY L. HEATON ON 9 MAY 1925 FROM A NEST IN A COLONY OF ABOUT 100 PAIRS; NESTS CONSTRUCTED OUT OF DARK SEA GRASS. CONSIDERED EXTIRPATED AS A BREEDER IN SOUTHERN CALIFORNIA (SCH92R0001).

Owner/Manager: UNKNOWN

Campylorhynchus brunneicapillus sandiegensis

Element Code: ABPBG02095

coastal cactus wren

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5T3Q
State: None **State:** S2
Other: CDFW_SSC-Species of Special Concern, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern
Habitat: **General:** SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.
Micro: WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.



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Occurrence No.	3	Map Index:	17545	EO Index:	11745	Element Last Seen:	1983-10-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1983-10-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-09
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24108 / -117.36270				Accuracy:	1/5 mile	
UTM:	Zone-11 N3678072 E466210				Elevation (ft):	240	
PLSS:	T11S, R05W, Sec. 12, NW (S)				Acres:	0.0	
Location:	ONE MILE WEST OF WHELAN LAKE, IN THE SW CORNER OF PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY OPUNTIA LITTORALIS, OPUNTIA PROLIFERA, SALVIA APIANA, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM.						
General:	ALTHOUGH NO BIRDS WERE OBSERVED (DURING A 15 MINUTE SITE VISIT), 7 NESTS WERE OBSERVED, INDICATING A RESIDENT POPULATION OF CACTUS WRENS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	4	Map Index:	17549	EO Index:	10119	Element Last Seen:	1983-08-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1983-08-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01528 / -117.17164				Accuracy:	1/5 mile	
UTM:	Zone-11 N3652994 E483969				Elevation (ft):	150	
PLSS:	T13S, R03W, Sec. 27 (S)				Acres:	0.0	
Location:	JUST NORTH OF THE JUNCTION OF THE SAN DIEGUITO RIVER AND LUSARDI CREEK, EAST OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ERIOGONUM FASCICULATUM, ADOLPHIA CALIFORNICA, OPUNTIA PROLIFERA, ARTEMISIA CALIFORNICA, MALOSMA LAURINA.						
General:	THREE NESTS OF THE YEAR WERE FOUND IN OPUNTIA PROLIFERA, INDICATING AT LEAST ONE PAIR BREEDS ON THIS 71-ACRE SITE.						
Owner/Manager:	PVT						

Occurrence No.	16	Map Index:	17542	EO Index:	11739	Element Last Seen:	198X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	198X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-19
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05088 / -117.09731				Accuracy:	2/5 mile	
UTM:	Zone-11 N3656931 E490914				Elevation (ft):	700	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	HILLS WEST OF THE SE ARM OF LAKE HODGES, WEST OF I-15, RANCHO BERNARDO.						
Detailed Location:							
Ecological:							
General:	ONE TERRITORIAL MALE OBSERVED IN THE EARLY 1980'S BY ESTHER MCNEIL.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	17	Map Index:	17544	EO Index:	11742	Element Last Seen:	1984-08-25
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1989-12-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-08
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00759 / -117.09175				Accuracy:	3/5 mile	
UTM:	Zone-11 N3652132 E491429				Elevation (ft):	100	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	WEST OF THE INTERSECTION OF CAMINO DEL NORTE AND WEST BERNARDO DRIVE, RANCHO BERNARDO.						
Detailed Location:							
Ecological:							
General:	THREE CACTUS WRENS, INCLUDING ONE TERRITORIAL MALE, OBSERVED IN 1984. EXTIRPATED DUE TO HABITAT DESTRUCTION CAUSED BY RESIDENTIAL CONSTRUCTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	18	Map Index:	17543	EO Index:	11741	Element Last Seen:	198X-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	198X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02978 / -117.08557				Accuracy:	2/5 mile	
UTM:	Zone-11 N3654591 E492008				Elevation (ft):	500	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	WESTWOOD AREA, NORTH OF RANCHO BERNARDO ROAD AND WEST OF I-15, RANCHO BERNARDO.						
Detailed Location:							
Ecological:							
General:	KNOWN SITE; OBSERVED DURING THE EARLY 1980'S BY ESTHER MCNEIL. EXTIRPATED DUE TO HABITAT DESTRUCTION RESULTING FROM RESIDENTIAL CONSTRUCTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	19	Map Index:	17540	EO Index:	11738	Element Last Seen:	1994-04-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1994-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-02-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05230 / -117.07832				Accuracy:	2/5 mile	
UTM:	Zone-11 N3657087 E492687				Elevation (ft):	400	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	RIDGE EAST OF THE SE ARM OF LAKE HODGES, WEST OF I-15, RANCHO BERNARDO COMMUNITY PARK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, WITH PATCHES OF OPUNTIA CACTUS.						
General:	SURVEYS OF THIS AREA IN 1984 AND 1988 YIELDED AN UNKNOWN NUMBER OF CACTUS WRENS. 5 CACTUS WRENS, INCLUDING 1 TERRITORIAL MALE, OBSERVED ON 30 JUNE 1990. ON 21 APRIL 1994, 1 ADULT OBSERVED NEST-BUILDING.						
Owner/Manager:	RANCHO BERNARDO COMM PARK						



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Occurrence No.	20	Map Index:	17541	EO Index:	11740	Element Last Seen:	1981-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-19
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03480 / -117.07376				Accuracy:	1/5 mile	
UTM:	Zone-11 N3655147 E493112				Elevation (ft):	500	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	NE OF I-15 AND BERNARDO CENTER DRIVE, WEST OF ESCALA DRIVE, RANCHO BERNARDO.						
Detailed Location:							
Ecological:							
General:	THREE CACTUS WRENS OBSERVED, INCLUDING TWO TERRITORIAL MALES, DURING A 1981 SURVEY BY KENNETH WEAVER. EXTIRPATED DUE TO HABITAT DESTRUCTION CAUSED BY RESIDENTIAL CONSTRUCTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	21	Map Index:	17539	EO Index:	11737	Element Last Seen:	1995-02-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-02-12
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2004-01-05
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06065 / -117.08501				Accuracy:	non-specific area	
UTM:	Zone-11 N3658014 E492063				Elevation (ft):	750	
PLSS:	T13S, R02W, Sec. 09 (S)				Acres:	180.6	
Location:	NORTH SIDE OF LAKE HODGES, I-15 TO 1.8 MILES WEST OF I-15, SOUTH ESCONDIDO.						
Detailed Location:	1981 & 1985 SURVEYS: N SIDE OF LAKE HODGES. 1984 & 1988: S SLOPE OF BERNARDO MTN, S OF LAKE HODGES BOAT LANDING. 1994: 0.6 TO 1.8 MILES WEST OF I-15. AREA FROM I-15 TO 0.6 MI W OF I-15: CAWR OBS IN 1981, BUT NOT 1985.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB. SURROUNDING AREA INCLUDES RESIDENTIAL DEVELOPMENT IN EAST HALF OF FEATURE.						
General:	1 TERRITORIAL MALE OBS MAY 1981. 1984: 23 WRENS, INC 18 TERRITORIAL MALES. JUN 1985: NO WRENS OBS. 1988: 21 WRENS OBS, INC 12 TERRITORIAL MALES. OBS BY WEAVER. 1994: FEATHERS COLL FROM 5 OF 9 NESTS. 1995: FEATHERS COLL FROM 1 NEST.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	23	Map Index:	17536	EO Index:	11734	Element Last Seen:	1981-07-27
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1990-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08340 / -117.07283				Accuracy:	2/5 mile	
UTM:	Zone-11 N3660535 E493202				Elevation (ft):	600	
PLSS:	T12S, R02W (S)				Acres:	0.0	
Location:	NORTH OF CLARENCE LANE AND WEST OF CENTRE CITY PARKWAY, ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	ONE TERRITORIAL MALE OBSERVED BY KENNETH WEAVER DURING A 27 JULY 1981 SURVEY; NO CACTUS WRENS OBSERVED DURING THE 1990 SURVEY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	24	Map Index:	17537	EO Index:	11735	Element Last Seen:	2001-06-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06121 / -117.04768				Accuracy:	2/5 mile	
UTM:	Zone-11 N3658073 E495548				Elevation (ft):	500	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	SOUTH SIDE OF HILL ON THE NE SIDE OF LAKE HODGES, ESCONDIDO.						
Detailed Location:	2000: 1 ADULT INDIVIDUAL OBSERVED CALLING FROM RELATIVELY NEW NEST IN PATCH OF COAST PRICKLY PEAR CACTUS. OLD NESTS IN SOME OF LARGER CACTUS PATCHES. OBSERVATIONS FROM 2000 ARE WITHIN SITE "B" OF PROPOSED MHCP HABITAT AQUISITION PROJECT.						
Ecological:	DIEGAN COASTAL SAGE SCRUB. DOMINANT SPECIES INCARTEMISIA CALIFORNICA & OPUNTIA LITTORALIS. POSS INCLUSION IN MHCP. ADJACENT LAND: PRESERVED OPEN SPACE TO W & NW, RESIDENTIAL HOMES TO W, N & E, AGRICULTURE TO SOUTH & UNDEVELOPED AREAS.						
General:	APR 1983 SURVEY: 19 TERRITORIAL MALES OBS BY WEAVER. FEB 1989 SURVEY: 20 CACTUS WRENS, INC 13 TERRITORIAL MALES, OBS BY WEAVER. 2 OBS ON AUG 1 2000. 1 PAIR OBS ON 29 MAY 2001 AND 2 PAIRS OBS ON 5 JUN 2001.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	25	Map Index:	17531	EO Index:	11729	Element Last Seen:	1990-04-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1991-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10344 / -117.04859			Accuracy:	1/5 mile		
UTM:	Zone-11 N3662755 E495466			Elevation (ft):	950		
PLSS:	T12S, R02W (S)			Acres:	0.0		
Location:	NORTH OF EL DORADO DRIVE, BETWEEN BEAR VALLEY PARKWAY AND SUMMIT DRIVE, ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	ONE TERRITORIAL MALE OBSERVED BY WEAVER DURING AN APRIL 1990 SURVEY. 20 CACTUS WRENS, INCLUDING 13 TERRITORIAL MALES, OBSERVED BY WEAVER DURING A PREVIOUS SURVEY (1981).						
Owner/Manager:	UNKNOWN						
Occurrence No.	26	Map Index:	17535	EO Index:	11733	Element Last Seen:	1989-02-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-02-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-06
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07389 / -117.05868			Accuracy:	1/5 mile		
UTM:	Zone-11 N3659480 E494523			Elevation (ft):	450		
PLSS:	T13S, R02W, Sec. 02 (S)			Acres:	0.0		
Location:	AT THE INTERSECTION OF SAN PASQUAL ROAD AND SUNSET, ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	2 CACTUS WRENS, INCLUDING ONE TERRITORIAL MALE, OBSERVED BY WEAVER DURING A FEBRUARY 1989 SURVEY. A PREVIOUS SURVEY BY WEAVER (MARCH 1984) YIELDED 3 CACTUS WRENS, INCLUDING 2 TERRITORIAL MALES.						
Owner/Manager:	UNKNOWN						
Occurrence No.	27	Map Index:	17534	EO Index:	11732	Element Last Seen:	1989-02-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-02-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08651 / -117.01560			Accuracy:	2/5 mile		
UTM:	Zone-11 N3660877 E498543			Elevation (ft):	350		
PLSS:	T12S, R01W, Sec. 31, SE (S)			Acres:	0.0		
Location:	SE OF THE INTERSECTION OF SAN PASQUAL ROAD AND OLD PASQUAL ROAD, ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	4 CACTUS WRENS, INCLUDING 3 TERRITORIAL MALES, OBSERVED BY WEAVER DURING A FEBRUARY 1989 SURVEY. DURING A PREVIOUS (MARCH 1984) SURVEY BY WEAVER, 3 CACTUS WRENS, INCLUDING 2 TERRITORIAL MALES, WERE OBSERVED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	28	Map Index:	17533	EO Index:	11731	Element Last Seen:	1984-03-10
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1990-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10012 / -117.01970				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662386 E498161				Elevation (ft):	400	
PLSS:	T12S, R01W, Sec. 30, SE (S)				Acres:	0.0	
Location:	NE SIDE OF THE INTERSECTION OF CLOVERDALE ROAD AND HWY 78, SAN PASQUAL VALLEY.						
Detailed Location:							
Ecological:							
General:	NO CACTUS WRENS OBSERVED DURING 1990 SURVEY BY WEAVER; TWO TERRITORIAL MALES HAD BEEN OBSERVED DURING WEAVER'S PREVIOUS SURVEY IN MARCH 1984.						
Owner/Manager:	UNKNOWN						

Occurrence No.	29	Map Index:	17530	EO Index:	11726	Element Last Seen:	1984-03-23
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1989-02-13
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1991-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.11343 / -117.01534				Accuracy:	1/5 mile	
UTM:	Zone-11 N3663862 E498568				Elevation (ft):	420	
PLSS:	T12S, R01W, Sec. 20, SW (S)				Acres:	0.0	
Location:	NE AND SE OF THE INTERSECTION OF CLOVERDALE ROAD AND ROCKWOOD ROAD, SAN PASQUAL VALLEY.						
Detailed Location:							
Ecological:							
General:	NO CACTUS WRENS OBSERVED DURING A FEBRUARY 1989 SURVEY CONDUCTED BY WEAVER; A PREVIOUS (MARCH 1984) SURVEY BY WEAVER YIELDED 6 CACTUS WRENS, INCLUDING 3 TERRITORIAL MALES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	30	Map Index:	17529	EO Index:	11725	Element Last Seen:	1989-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1990-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-23
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.11898 / -117.00236				Accuracy:	2/5 mile	
UTM:	Zone-11 N3664477 E499780				Elevation (ft):	500	
PLSS:	T12S, R01W, Sec. 20, NW (S)				Acres:	0.0	
Location:	EAST SIDE OF ROCKWOOD ROAD, APPROXIMATELY ONE MILE NE OF THE INTERSECTION WITH CLOVERDALE ROAD, SAN PASQUAL VALLEY.						
Detailed Location:							
Ecological:							
General:	NO CACTUS WRENS OBSERVED DURING WEAVER'S APRIL 1990 SURVEY. ONE TERRITORIAL MALE OBSERVED BY JOHN GRIFFITH IN 1989.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	31	Map Index:	17532	EO Index:	11730	Element Last Seen:	1988-12-31
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1988-12-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10025 / -117.01047				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662400 E499023				Elevation (ft):	700	
PLSS:	T12S, R01W, Sec. 29, SW (S)				Acres:	0.0	
Location:	SOUTH SIDE OF HILL ON THE NORTH SIDE OF HWY 78 AND EAST OF CLOVERDALE ROAD, SAN PASQUAL VALLEY.						
Detailed Location:							
Ecological:							
General:	TWO TERRITORIAL MALES OBSERVED BY WEAVER ON 31 DECEMBER 1988; 5 TERRITORIAL MALES OBSERVED BY WEAVER DURING A PREVIOUS SURVEY ON 10 MARCH 1984.						
Owner/Manager:	UNKNOWN						

Occurrence No.	37	Map Index:	17560	EO Index:	10116	Element Last Seen:	1983-08-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1985-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-09-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00723 / -117.17078				Accuracy:	2/5 mile	
UTM:	Zone-11 N3652101 E484048				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 34 (S)				Acres:	0.0	
Location:	ON THE SE SIDE OF THE CONFLUENCE OF LUSARDI CREEK AND THE SAN DIEGUITO RIVER, RANCHO SANTA FE.						
Detailed Location:							
Ecological:							
General:	NEST(S) OBSERVED BY HAROLD WIER DURING AUGUST OF 1983. KENNETH WEAVER CHECKED THE SITE ON 9 MARCH 1985 AND FOUND NO CACTUS WRENS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	38	Map Index:	17559	EO Index:	10115	Element Last Seen:	1985-03-09
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1985-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04418 / -117.17561				Accuracy:	3/5 mile	
UTM:	Zone-11 N3656198 E483603				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 15 (S)				Acres:	0.0	
Location:	NW OF THE INTERSECTION OF DEL DIOS HWY & CAMINO DEL NORTE, RANCHO SANTA FE.						
Detailed Location:							
Ecological:							
General:	REMNANTS OF OLD NESTS FOUND; EXTIRPATED AT THIS SITE SOMETIME IN THE 1980'S.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	64	Map Index:	17602	EO Index:	11684	Element Last Seen:	1984-05-20
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-03-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-01
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09700 / -117.30455				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662081 E471581				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 28, S (S)				Acres:	0.0	
Location:	WEST SIDE OF BATIQUITOS DRIVE, NORTH OF BATIQUITOS LAGOON, CARLSBAD.						
Detailed Location:							
Ecological:							
General:	ONE TERRITORIAL MALE OBSERVED BY KENNETH WEAVER ON 20 MAY 1984. WEAVER SURVEYED THIS AREA ON 3 DECEMBER 1988 AND FOUND THE CACTUS WREN TO BE EXTIRPATED DUE TO RESIDENTIAL DEVELOPMENT.						
Owner/Manager:	UNKNOWN						

Occurrence No.	65	Map Index:	17603	EO Index:	11683	Element Last Seen:	1981-09-06
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1984-04-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01519 / -117.26071				Accuracy:	non-specific area	
UTM:	Zone-11 N3653001 E475648				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 26 (S)				Acres:	88.2	
Location:	NE OF THE INTERSECTION OF I-15 AND MANCHESTER AVENUE, NORTH OF SAN ELIJO LAGOON, ENCINITAS.						
Detailed Location:	1973 - 1981: OPUNTIA PATCH ON SLOPES IN THE NE AREA OF THE LAGOON; PROBABLE YEARLY BREEDER.						
Ecological:	HABITAT WAS COASTAL SAGE SCRUB WHICH INCLUDED OPUNTIA PATCHES; ON 6 SEPTEMBER 1981, HABITAT WAS CONVERTED TO FARMLAND.						
General:	74 OBSERVED IN 47 OF 120 SURVEYS 1973-1981. 2 TERRITORIAL MALES OBS BY DAVID KING & CLAUDE EDWARDS ON 6 SEP 1981. KENNETH WEAVER VISITED SITE ON 1 APR 1984 & FOUND THAT SITE HAD BEEN CLEARED FOR AG USE; THUS, WREN IS EXTIRPATED AT SITE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	80	Map Index:	17637	EO Index:	11703	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-16
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27802 / -117.36613				Accuracy:	non-specific area	
UTM:	Zone-11 N3682169 E465904				Elevation (ft):	300	
PLSS:	T10S, R05W, Sec. 26 (S)				Acres:	57.7	
Location:	NORTH SIDE OF PUEBLITOS CANYON, EAST OF VANDEGRIFT BLVD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	KNOWN SITE. 3 TERRITORIAL MALES OBSERVED BY LARRY SALATA DURING SPRING 1989.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	82	Map Index:	17640	EO Index:	11701	Element Last Seen:	1982-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1982-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36020 / -117.32170				Accuracy:	1/5 mile	
UTM:	Zone-11 N3691266 E470070				Elevation (ft):	250	
PLSS:	T09S, R04W, Sec. 29, SE (S)				Acres:	0.0	
Location:	300 YDS SOUTH OF THE CONFLUENCE OF SANTA MARGARITA RIVER AND DE LUZ CREEK, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:							
General:	ONE TERRITORIAL MALE OBSERVED BY RICHARD ZEMBAL (USFWS) IN 1982.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	83	Map Index:	17634	EO Index:	11706	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-08-07
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35251 / -117.30645				Accuracy:	non-specific area	
UTM:	Zone-11 N3690409 E471487				Elevation (ft):	350	
PLSS:	T09S, R04W (S)				Acres:	976.9	
Location:	WEST SLOPES OF HILLS ON THE WEST AND SW EDGE OF FALLBROOK NAVAL WEAPONS STATION.						
Detailed Location:							
Ecological:							
General:	17 CACTUS WRENS OBSERVED BY DOREEN STADTLANDER (USFWS) DURING SPRING 1989.						
Owner/Manager:	DOD-FALLBROOK NWS						

Occurrence No.	84	Map Index:	17701	EO Index:	11707	Element Last Seen:	1989-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-09
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.38098 / -117.27167				Accuracy:	3/5 mile	
UTM:	Zone-11 N3693556 E474731				Elevation (ft):	700	
PLSS:	T09S, R04W, Sec. 23, W (S)				Acres:	0.0	
Location:	RIDGELINE BETWEEN WATER TANKS AT THE NE END OF FALLBROOK NAVAL WEAPONS STATION.						
Detailed Location:							
Ecological:							
General:	2 TERRITORIAL MALES OBSERVED BY DOREEN STADTLANDER (USFWS).						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	85	Map Index:	20417	EO Index:	9515	Element Last Seen:	1984-07-18
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1984-07-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-03-25
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.24011 / -117.37645				Accuracy:	2/5 mile	
UTM:	Zone-11 N3677969 E464929				Elevation (ft):	200	
PLSS:	T11S, R05W, Sec. 11 (S)				Acres:	0.0	
Location:	WIRE MOUNTAIN, NORTH OF SANTA MARGARITA SCHOOL, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:							
General:	KNOWN SITE. REMNANTS OF NESTS OBSERVED, BUT NO BIRDS, DURING AN 18 JULY 1984 VISIT BY KENNETH WEAVER.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	86	Map Index:	17642	EO Index:	11698	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-12-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26523 / -117.32638				Accuracy:	1/5 mile	
UTM:	Zone-11 N3680738 E469602				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 32, NW (S)				Acres:	0.0	
Location:	EAST OF WINDMILL CANYON, EAST OF THE GOLF COURSE CLUBHOUSE, ON SE SLOPE OF THE HILL, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	0.9 MI NNE OF WINDMILL LAKE.						
Ecological:							
General:	ONE TERRITORIAL MALE OBSERVED BY LARRY SALATA DURING SPRING 1989.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	87	Map Index:	17636	EO Index:	11704	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-20
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28986 / -117.32603				Accuracy:	non-specific area	
UTM:	Zone-11 N3683469 E469643				Elevation (ft):	400	
PLSS:	T10S, R04W, Sec. 20 (S)				Acres:	489.8	
Location:	WEST SIDE OF WINDMILL CANYON, WEST OF THE GOLF COURSE, NORTH TO THE BASE RADIO TOWER, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	11 CACTUS WRENS, INCLUDING 9 TERRITORIAL MALES, OBSERVED BY KENNETH WEAVER ON 4 AUGUST 1984. 3 TERRITORIAL MALES OBSERVED BY LARRY SALATA DURING SPRING 1989.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	88	Map Index:	17635	EO Index:	11705	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-20
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29669 / -117.30262				Accuracy:	non-specific area	
UTM:	Zone-11 N3684220 E471824				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 21 (S)				Acres:	156.0	
Location:	ALONG PILGRIM CREEK, NORTH OF VANDEGRIFT BLVD AND SOUTH OF THE FIRING RANGE, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	3 OBSERVED DURING 1989.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	89	Map Index:	17639	EO Index:	11700	Element Last Seen:	1990-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33882 / -117.28312				Accuracy:	1 mile	
UTM:	Zone-11 N3688885 E473653				Elevation (ft):	500	
PLSS:	T10S, R04W, Sec. 03 (S)				Acres:	0.0	
Location:	FROM PILGRIM CREEK, JUST SOUTH OF FALLBROOK NWS, NORTH 0.5 MI TO SLOPES EAST AND WEST OF FALLBROOK ROAD, CAMP PENDLETON.						
Detailed Location:							
Ecological:							
General:	11 CACTUS WRENS OBSERVED BY DOREEN STADTLANDER (USFWS) IN SPRING 1990.						
Owner/Manager:	DOD-CAMP PENDLETON, FALLBROOK						

Occurrence No.	90	Map Index:	17638	EO Index:	11702	Element Last Seen:	1990-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-22
Quad Summary:	Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33350 / -117.25211				Accuracy:	2/5 mile	
UTM:	Zone-11 N3688288 E476537				Elevation (ft):	600	
PLSS:	T10S, R04W, Sec. 01, SE (S)				Acres:	0.0	
Location:	ALONG EASTERN BORDER OF FALLBROOK NAVAL WEAPONS STATION, APPROXIMATELY 0.5 MILE SOUTH OF FALLBROOK COMMUNITY AIR PARK.						
Detailed Location:							
Ecological:							
General:	ONE CACTUS WREN OBSERVED BY DOREEN STADTLANDER (USFWS) DURING SPRING 1990.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	91	Map Index:	17649	EO Index:	11697	Element Last Seen:	1990-08-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-08-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-09
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29964 / -117.20040				Accuracy:	1/5 mile	
UTM:	Zone-11 N3684523 E481342				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 21, N (S)				Acres:	0.0	
Location:	ALONG THE NORTH SIDE OF WEST LILAC ROAD, 1.3 MILES EAST OF INTERSECTION WITH CAMINO DEL REY, BONSTALL.						
Detailed Location:							
Ecological:							
General:	3 CACTUS WRENS, INCLUDING 2 TERRITORIAL MALES OBSERVED BY KENNETH WEAVER ON 18 AUGUST 1989. 5 CACTUS WRENS, INCLUDING 2 TERRITORIAL MALES, OBSERVED BY WEAVER ON 25 AUGUST 1990.						
Owner/Manager:	UNKNOWN						

Occurrence No.	92	Map Index:	17700	EO Index:	11693	Element Last Seen:	1989-12-27
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1990-06-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-22
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.33437 / -117.11767				Accuracy:	2/5 mile	
UTM:	Zone-11 N3688362 E489049				Elevation (ft):	700	
PLSS:	T10S, R02W, Sec. 05, SW (S)				Acres:	0.0	
Location:	EAST SIDE OF COUSER CANYON ROAD, 1 MILE SOUTH OF THE INTERSECTION WITH HWY 76, LILAC.						
Detailed Location:							
Ecological:							
General:	NEST(S) FOUND ON 27 DECEMBER 1989 BY KENNETH WEAVER; SITE REVISITED BY WEAVER ON 21 JUNE 1990 YIELDED NO CACTUS WRENS OR EVIDENCE OF NESTING.						
Owner/Manager:	UNKNOWN						

Occurrence No.	93	Map Index:	17699	EO Index:	11694	Element Last Seen:	2000-05-26
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2000-05-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-18
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36460 / -117.10717				Accuracy:	2/5 mile	
UTM:	Zone-11 N3691713 E490030				Elevation (ft):	700	
PLSS:	T09S, R02W, Sec. 29 (S)				Acres:	0.0	
Location:	ALONG THE NORTH SIDE OF HWY 76, 4 MILES EAST OF THE INTERSECTION WITH PALA ROAD, PALA.						
Detailed Location:							
Ecological:							
General:	2 CACTUS WRENS, INCLUDING 1 TERRITORIAL MALE, OBSERVED BY KENNETH WEAVER ON 16 MARCH 1985. WEAVER REVISITED SITE ON 25 AUGUST 1990 AND FOUND NO CACTUS WRENS OR EVIDENCE OF NESTING. 1 FAMILY OBSERVED 26 MAY 2000 NW OF ENTRANCE TO YOUTH CAMP.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	94	Map Index:	17698	EO Index:	11695	Element Last Seen:	1985-03-16
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-11-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-09
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36960 / -117.08548				Accuracy:	2/5 mile	
UTM:	Zone-11 N3692265 E492048				Elevation (ft):	500	
PLSS:	T09S, R02W, Sec. 27, NW (S)				Acres:	0.0	
Location:	HILL ON THE NORTH SIDE OF HWY 76, WEST OF THE INTERSECTION WITH PALA ROAD, PALA.						
Detailed Location:							
Ecological:							
General:	NEST(S) OBSERVED BY KENNETH WEAVER ON 16 MARCH 1985. WEAVER REVISITED THIS SITE ON 13 NOVEMBER 1988 AND FOUND NO CACTUS WRENS OR EVIDENCE OF NESTING.						
Owner/Manager:	UNKNOWN						

Occurrence No.	95	Map Index:	17697	EO Index:	11696	Element Last Seen:	1985-04-16
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1990-02-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-22
Quad Summary:	Boucher Hill (3311638), Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34719 / -117.00426				Accuracy:	2/5 mile	
UTM:	Zone-11 N3689777 E499603				Elevation (ft):	1200	
PLSS:	T09S, R01W, Sec. 32, SE (S)				Acres:	0.0	
Location:	UPPERMOST ADAMS DRIVE, PAUMA VALLEY.						
Detailed Location:							
Ecological:							
General:	3 TERRITORIAL MALES OBSERVED BY KENNETH WEAVER ON 16 APRIL 1985. WEAVER REVISITED THIS SITE ON 3 FEBRUARY 1990 AND FOUND NO CACTUS WRENS OR EVIDENCE OF NESTING, AS A RESULT OF HABITAT DESTRUCTION DUE TO FIRE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	96	Map Index:	17696	EO Index:	11629	Element Last Seen:	1984-03-03
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14728 / -117.31197				Accuracy:	1/5 mile	
UTM:	Zone-11 N3667658 E470905				Elevation (ft):	75	
PLSS:	T12S, R04W (S)				Acres:	0.0	
Location:	NORTH SIDE OF PARK DRIVE, WEST OF THE INTERSECTION WITH KELLY DRIVE, AGUA HEDIONDA LAGOON, CARLSBAD.						
Detailed Location:							
Ecological:							
General:	5 CACTUS WRENS, INCLUDING 4 TERRITORIAL MALES, OBSERVED BY KENNETH WEAVER ON 3 MARCH 1984. WEAVER REVISITED THIS SITE ON 3 DECEMBER 1988 AND FOUND THAT CACTUS WRENS WERE EXTIRPATED AT THIS SITE DUE TO RESIDENTIAL CONSTRUCTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	130	Map Index:	23945	EO Index:	13086	Element Last Seen:	1993-06-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-07-08
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29106 / -117.20390				Accuracy:	1/5 mile	
UTM:	Zone-11 N3683573 E481014				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 21, SW (S)				Acres:	0.0	
Location:	RIDGE SOUTH OF SAN LUIS REY RIVER & NORTH OF MOOSA CANYON. 0.75 MILE EAST OF JUNCTION OF LILAC RD & MOOSA CYN RD.						
Detailed Location:							
Ecological:	ISOLATED SITE WITH DIVERSE & WELL DEVELOPED DIEGAN COASTAL SAGE SCRUB. PROPERTY TO THE NORTH IS AGRICULTURE & HOUSES, PROPERTY TO THE SOUTH IS AGRICULTURE.						
General:	A NEST & A SINGLE MALE WERE LOCATED IN A BRIEF FIELD CHECK. A CALIFORNIA GNATCATCHER WAS ALSO FOUND HERE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	66	Map Index:	03380	EO Index:	25088	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27907 / -117.35507				Accuracy:	1 mile	
UTM:	Zone-11 N3682281 E466935				Elevation (ft):	300	
PLSS:	T10S, R05W, Sec. 25 (S)				Acres:	0.0	
Location:	PUEBLITOS CANYON, EAST OF SANTA MARGARITA RIVER AND WEST OF WINDMILL CANYON, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	8 INDIVIDUALS OBSERVED (10-20 PAIRS ESTIMATED). 3 BIRDS OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	67	Map Index:	03420	EO Index:	10164	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33869 / -117.32048				Accuracy:	2/5 mile	
UTM:	Zone-11 N3688881 E470176				Elevation (ft):	105	
PLSS:	T10S, R04W, Sec. 05, NW (S)				Acres:	0.0	
Location:	VICINITY OF O'NEILL LAKE, EAST OF SANTA MARGARITA RIVER AND APPROXIMATELY 4 MI SW OF FALLBROOK, CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	5-10 PAIRS ESTIMATED BY ATWOOD DURING 1980 SURVEY. 7 BIRDS OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	68	Map Index:	03407	EO Index:	25087	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19253 / -117.33586				Accuracy:	1/5 mile	
UTM:	Zone-11 N3672681 E468693				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 30, NE (S)				Acres:	0.0	
Location:	FIRE MOUNTAIN PARK AND EL CAMINO, VICINITY OCEANSIDE.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	2 INDIVIDUALS OBSERVED; 2-4 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	69	Map Index:	33761	EO Index:	25085	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17717 / -117.34821				Accuracy:	2/5 mile	
UTM:	Zone-11 N3670982 E467536				Elevation (ft):	20	
PLSS:	T11S, R04W, Sec. 36, NE (S)				Acres:	0.0	
Location:	BUENA VISTA LAGOON, NEAR HIGHWAY 5, VICINITY OCEANSIDE.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	ONE INDIVIDUAL OBSERVED; 1-3 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	70	Map Index:	03464	EO Index:	21913	Element Last Seen:	2001-07-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20397 / -117.30841				Accuracy:	non-specific area	
UTM:	Zone-11 N3673942 E471255				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 21 (S)				Acres:	1410.4	
Location:	ALONG LOMA ALTA CREEK NORTH TO MESA DRIVE, JUST WEST OF EL CAMINO REAL EXTENDING EAST, EAST OF OCEANSIDE.						
Detailed Location:	1980:ALONG VIC ALTA LOMA CK. AUG 1993:NORTH OF ALTA LOMA MOUNTAIN. OCT 1997:SW 1/4 OF NW 1/4 SECTION 21. 1998:N OF OLIVE AVE. 1999-01:EAST OF EL CAMINO REAL&SOUTH OF MESA DR. 2000:VIC EL CALMINO REAL DETENTION BASIN. 2001:W EL CAMINO REAL.						
Ecological:	COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM & SALVIA MELLIFERA. SOME AREAS DISTURBED (PORTION OF AREA MINED), SOME AREAS RECOVERING. OTHER SPECIES: AIMOPHILA RUFICEPS CANESCENS, LANIUS LUDOVICIANUS, OTHER.						
General:	1980:2-3 IND OBS;5-10 PRS ESTIMATED. 2 OBS AUG '93. 6 OBS (3 PRS) OCT '97;2 PRS WITHIN PLANNED RIGHT-OF-WAY. AUG-SEP '98; 2 PRS. 2 PRS,1 SINGLE MALE OBS MAR '99. 4(+?) TERR OBS APR-SEP '00. 3 TERR, 2 FAM GRPS,1 SINGLE OBS MAY-JUL '01.						
Owner/Manager:	PVT, UNKNOWN						

Occurrence No.	71	Map Index:	03460	EO Index:	21931	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-02-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18973 / -117.30130				Accuracy:	2/5 mile	
UTM:	Zone-11 N3672361 E471914				Elevation (ft):	300	
PLSS:	T11S, R04W, Sec. 28, SE (S)				Acres:	0.0	
Location:	MIRA COSTA COLLEGE, 1 MILE NORTH OF HIGHWAY 78, VICINITY OF OCEANSIDE.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	2 INDIVIDUALS OBSERVED; 5-10 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	73	Map Index:	03532	EO Index:	25083	Element Last Seen:	2000-09-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-09-08
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2003-05-30
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22927 / -117.26946				Accuracy:	2/5 mile	
UTM:	Zone-11 N3676736 E474893				Elevation (ft):	300	
PLSS:	T11S, R04W, Sec. 11, SE (S)				Acres:	0.0	
Location:	DARWIN ROAD, APPROXIMATELY 0.2 TO 1 MILE SOUTH OF SANTA FE AVENUE, NW OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB LOCATED IN AREAS THAT ARE PRIMARILY NON-NATIVE GRASSLAND, DISTURBED. PARTS OF NE PORTION HAVE BEEN DISKED. HIGHER QUALITY SAGE SCRUB MAY EXIST IN NW PORTION. RESIDENTIAL LOCATED TO THE SOUTH.						
General:	ATWOOD OBSERVED 10 INDIVIDUALS & ESTIMATED 6-10 PAIRS IN 1980. 2 OBSERVATIONS REPORTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS BETWEEN 1990 & 1992. AT LEAST 5 PAIRS OBS JULY 1998. 1 PAIR, 1 SINGLE OBS MAR 2000. 12 OBS 25 AUG - 8 SEP 2000.						
Owner/Manager:	UNKNOWN						

Occurrence No.	74	Map Index:	03518	EO Index:	21312	Element Last Seen:	2000-07-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-07-30
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2003-04-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09467 / -117.27382				Accuracy:	non-specific area	
UTM:	Zone-11 N3661815 E474448				Elevation (ft):	10	
PLSS:	T12S, R04W, Sec. 35, NW (S)				Acres:	107.1	
Location:	NORTH SIDE OF BATIQUITOS LAGOON AND BORDERED TO THE EAST BY EL CAMINO REAL, NORTHEAST OF LEUCADIA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. ORANGE-THROATED WHIPTAIL PRESENT IN VICINITY.						
General:	ONE INDIVIDUAL OBSERVED; 1-2 PAIRS ESTIMATED BY ATWOOD IN 1980. ONE OBSERVATION SOMETIME BETWEEN 1990 & 1992. 3 ADULTS OBSERVED ON 6 MAR 1999. 2 PAIRS (1 PAIR WITH FLEDGLINGS) & UNK NUMBER OF INDIVIDUALS OBS BETWEEN 20 APR & 18 JUL 2000.						
Owner/Manager:	PVT						



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Occurrence No.	76	Map Index:	04174	EO Index:	8279	Element Last Seen:	2005-06-08
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-06-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-21
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06586 / -117.08910				Accuracy:	non-specific area	
UTM:	Zone-11 N3658591 E491682				Elevation (ft):	900	
PLSS:	T13S, R02W, Sec. 04 (S)				Acres:	1179.8	
Location:	BERNARDO MOUNTAIN NORTH OF LAKE HODGES, SOUTH OF ESCONDIDO.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA AND SALVIA MELLIFERA. ECOTONAL SAGE SCRUB ON EAST-FACING SLOPE OF BERNARDO MOUNTAIN TRANSITIONS INTO CHAPARRAL.						
General:	9 INDIVIDUALS OBSERVED; 15-30 PRS ESTIMATED BY ATWOOD IN 1980. 7 OBS SOMETIME BETWEEN 1990 & 1992 BY SWEETWATER ENVIRONMENTAL. 13 PRS & 1 MALE OBS, MARCH 2002. 2 PRS OBS BETWEEN 22 MAY & 5 JUN 2002. 43 ADULTS & 3 JUV OBS APR-JUN 2005.						
Owner/Manager:	SAN DIEGUITO RIVER OPEN SPACE						

Occurrence No.	77	Map Index:	04205	EO Index:	25077	Element Last Seen:	1980-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-05-24
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07291 / -117.07254				Accuracy:	1/5 mile	
UTM:	Zone-11 N3659372 E493229				Elevation (ft):	400	
PLSS:	T13S, R02W, Sec. 03 (S)				Acres:	0.0	
Location:	VIA RANCHO PARKWAY AT HIGHWAY 15, VICINITY OF ESCONDIDO.						
Detailed Location:							
Ecological:	1980: COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. 2009 AERIAL IMAGE SHOWS THAT THIS AREA HAS BEEN COMPLETELY DEVELOPED.						
General:	17 INDIVIDUALS OBSERVED; 10-15 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	78	Map Index:	04235	EO Index:	25074	Element Last Seen:	2000-02-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-02-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-05-22
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07805 / -117.06501				Accuracy:	non-specific area	
UTM:	Zone-11 N3659941 E493932				Elevation (ft):	350	
PLSS:	T13S, R02W, Sec. 02 (S)				Acres:	135.3	
Location:	KIT CARSON PARK, IN SAN BERNARDO VALLEY, BETWEEN HWY 395 AND SUNSET DRIVE, SOUTH OF ESCONDIDO.						
Detailed Location:	ONGOING COASTAL SAGE SCRUB REVEGETATION EFFORTS ALONG THE EASTERN EDGE OF THE PARK HAS INCREASED AVAILABLE HABITAT.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	7 INDIVIDUALS OBSERVED (5-10 PAIRS ESTIMATED) IN 1980. AT LEAST 4 PAIRS WERE PRESENT DURING THE 2000 NESTING SEASON (SURVEYS CONDUCTED FROM 2 OCT 1999 THROUGH 10 FEB 2000).						
Owner/Manager:	UNKNOWN						

Occurrence No.	79	Map Index:	04264	EO Index:	7918	Element Last Seen:	2002-04-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06523 / -117.05123				Accuracy:	non-specific area	
UTM:	Zone-11 N3658519 E495217				Elevation (ft):	700	
PLSS:	T13S, R02W, Sec. 11 (S)				Acres:	885.7	
Location:	MULE HILL, NEAR SAN DIEGITO RIVER, ESCONDIDO.						
Detailed Location:	2000: SOUTH PORTION OF FEATURE. 2002: VICINITY OF SIERRA LINDA DRIVE. SOUTH PORTION OF FEATURE (SITE "B") TO POSSIBLY BE INCLUDED IN MHCP HABITAT AQUISITION PROJECT.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, & SALVIA SPP, WITH SCATTERED RHUS INTEGRIFOLIA, MALOSMA LAURINA, & HETEROMELES ARBUTIFOLIA. ADJ LAND: RESIDENTIAL, AG, UNDEVELOPED.						
General:	14 IND OBS & 25-50 PRS ESTIMATED, ATWOOD 1980. 1 OBS BY SWEETWATER ENVIRONMENTAL,1990&1992. 2 PRS OBS 12, 19, 26 FEB 2000. 1 PR, 3 MALES, 2 JUV OBS 29 MAY 2001 & 4 PRS OBS 5 JUN 2001. 5 PRS & 5 IND OBS 1 AUG 2000. 1 PR OBS 5, 21 APR 2002.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	80	Map Index:	04227	EO Index:	8276	Element Last Seen:	2002-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04927 / -117.06904				Accuracy:	non-specific area	
UTM:	Zone-11 N3656751 E493554				Elevation (ft):	800	
PLSS:	T13S, R02W, Sec. 15 (S)				Acres:	1022.9	
Location:	BATTLE MOUNTAIN AREA SOUTH OF LAKE HODGES, EAST AND WEST OF HIGHWAY 15 IN VICINITY OF POMERADO ROAD, SOUTH OF ESCONDIDO.						
Detailed Location:	1999 SURVEY: EAST-FACING SLOPE.						
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	2 INDIVIDUALS OBS; 5-10 PAIRS ESTIMATED BY ATWOOD IN 1980. 3 OBS SOMETIME BETWEEN 1990 & 1992, SWEETWATER ENVIRONMENTAL. 2 PAIRS OBS 21 APR 1994 WEST OF I-15. 2 PAIRS & 1 INDIVIDUAL OBS 18 OCT - 9 NOV 1999. 2 PAIRS OBS 22 MAY-5 JUN 2002.						
Owner/Manager:	RANCHO BERNARDO COMM PARK, UNK						

Occurrence No.	81	Map Index:	04237	EO Index:	25070	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.09275 / -117.06363				Accuracy:	1/5 mile	
UTM:	Zone-11 N3661571 E494062				Elevation (ft):	600	
PLSS:	T12S, R02W, Sec. 35 (S)				Acres:	0.0	
Location:	ROYAL CREST DRIVE, VICINITY ESCONDIDO.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	2-3 INDIVIDUALS OBSERVED; 2-4 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	82	Map Index:	04263	EO Index:	25071	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10476 / -117.04777				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662901 E495543				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 25 (S)				Acres:	0.0	
Location:	SUMMIT DRIVE AND BEAR VALLEY PARKWAY, VICINITY ESCONDIDO.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	ONE INDIVIDUAL OBSERVED; 1-3 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	83	Map Index:	04285	EO Index:	18956	Element Last Seen:	2000-09-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-09-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-06
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08055 / -117.03492				Accuracy:	non-specific area	
UTM:	Zone-11 N3660217 E496740				Elevation (ft):	400	
PLSS:	T12S, R02W, Sec. 36 (S)				Acres:	271.1	
Location:	NORTH/WEST OF SAN PASQUAL ROAD AND EAST OF MARY LANE, SW OF SAN PASQUAL VALLEY, VICINITY ESCONDIDO.						
Detailed Location:	2000: OBSERVATIONS IN VICINITY OF PASEO DEL SOL.						
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, & SALVIA MELLIFERA. NW PORTION ALSO VEGETATED BY OPUNITA LITTORALIS, DEERWEED, WHITE SAGE LAUREL SUMAC, BROOM BACCHARIS, NON-NATIVE GRASSLAND & OTHERS.						
General:	1098: 3 INDIVIDUALS OBSERVED; 5-10 PAIRS ESTIMATED. 1 INDIVIDUAL OBSERVED ON 8 SEP AND 1 PAIR OBS ON 15, 22 SEP 2000.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	84	Map Index:	04321	EO Index:	25068	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10019 / -117.02435				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662394 E497727				Elevation (ft):	450	
PLSS:	T12S, R01W, Sec. 30, SE (S)				Acres:	0.0	
Location:	CLOVERDALE ROAD AND HIGHWAY 78, VICINITY ESCONDIDO.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	2 INDIVIDUALS OBSERVED; 2-4 PAIRS ESTIMATED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	86	Map Index:	04172	EO Index:	13559	Element Last Seen:	2000-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02876 / -117.10123				Accuracy:	non-specific area	
UTM:	Zone-11 N3654479 E490546				Elevation (ft):	400	
PLSS:	T13S, R02W, Sec. 20 (S)				Acres:	1472.3	
Location:	HILLS SOUTH OF LAKE HODGES AND WEST OF I-15/HWY 395, NW OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, & SALVIA MELLIFERA. SOUTHERN MIXED CHAPARRAL ALSO ON SITE.						
General:	IN 1980, 10-20 PAIRS ESTIMATED. 22 BREEDING PAIRS OBSERVED DURING SURVEYS CONDUCTED BETWEEN 22 MARCH AND 8 MAY 1991. 3 BREEDING PAIRS AND 1 INDIVIDUAL MALE OBSERVED BETWEEN 7 APR AND 22 APR 2000.						
Owner/Manager:	UNKNOWN						

Occurrence No.	113	Map Index:	03362	EO Index:	25056	Element Last Seen:	1983-10-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-10-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-09
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24002 / -117.36427				Accuracy:	1/5 mile	
UTM:	Zone-11 N3677955 E466063				Elevation (ft):	300	
PLSS:	T11S, R05W, Sec. 12, NW (S)				Acres:	0.0	
Location:	SW CORNER CAMP PENDLETON. APPROX 1 MI W WHELAN LK AND 0.5 MIS YSIDORA BASIN.						
Detailed Location:							
Ecological:	HABITAT IS DENSE COASTAL SAGE SCRUB BORDERED BY NON-NATIVE GRASSLAND TO THE EAST.						
General:	RESIDENT PAIR OBSERVED. CACTUS WREN ALSO PRESENT.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	114	Map Index:	33795	EO Index:	25057	Element Last Seen:	2017-02-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2017-02-15	
Occ. Type:	Natural/Native occurrence	Trend:	Stable	Record Last Updated:		2018-01-02	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01075 / -117.15954			Accuracy:	non-specific area		
UTM:	Zone-11 N3652490 E485098			Elevation (ft):	283		
PLSS:	T13S, R03W, Sec. 26 (S)			Acres:	704.0		
Location:	VICINITY OF THE CONFLUENCE OF SAN DIEGUITO RIVER & LUSARDI CREEK, WEST OF LA JOLLA VALLEY & EAST OF RANCHO SANTA FE.						
Detailed Location:	1993-98: "SANTA FE MEADOWS" TRACT 5116. 2004: "VISTA HILLS" & "X-2 PIPELINE" PROJECT SITES. 2005: "XNERGY PROJECT" SITE. 2007: VISTA HILLS. 2009: "BAGLEY" PROPERTY. 2013: "CROSBY OPEN SPACE," WITHIN GOLF COURSE.						
Ecological:	DIEGAN COASTAL SAGE SCRUB INCLUDING SAGEBRUSH, BUCKWHEAT, BLACK SAGE & ADOLPHIA CALIFORNICA. RIPARIAN HABITAT ON STEEP SLOPES OF STREAMS. SURROUNDED BY DEVELOPMENT. WITCH CREEK FIRE IN 2007 DESTROYED HABITAT & INCREASED WEEDS.						
General:	3-5 PAIRS, 1983. UP TO 9 OBSERVED, 1989-92. UP TO 5 OBS, '93. AT LEAST 1 PAIR, '97 & '98. 4 PRS, 2000. AT LEAST 2 PRS, '04. PR W/NEST, '05. PR W/JUVENILE, '07. 1 JUV, '09. 4 OBS, '12. 1 IN 2013 & '14. 4 INCL. JUVS, '16. 6 INCL. 1 PR, '17.						
Owner/Manager:	PVT						

Occurrence No.	119	Map Index:	03849	EO Index:	22415	Element Last Seen:	2002-05-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2002-05-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Stable	Record Last Updated:		2003-06-11	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05205 / -117.17181			Accuracy:	non-specific area		
UTM:	Zone-11 N3657070 E483960			Elevation (ft):	1000		
PLSS:	T13S, R03W, Sec. 10 (S)			Acres:	2621.7		
Location:	2 MILES NORTHEAST OF RANCHO SANTA FE, 4 MILES SOUTHWEST OF ESCONDIDO & IMMEDIATELY NORTH & WEST OF LAKE HODGES.						
Detailed Location:	OBS IN FOLLOWING SECTIONS - 1983:3, 10, 11, 14, 15. 1991:14, 15. 1990-92:3, 9, 10, 11, 12, 14, 15, 23. 1995:14. 1998:3,4,10,14,15. 1999:1, 2, 10, 23. 2000:1, 2, 10, 11, 14, 15, W OF SECTION 22. 2001:9, 12, 13, 14, 15. 2002:2, 4, 10.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB VEGETATION. PLANTS INCLUDE ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA.						
General:	12/83:~50-100. 1986-87:BIRDS OBS. 1990-92:OBS 23 POINTS. 1991, 1995:PAIR OBS. 1998:2 OBS,14 TERRITORIES. 1999:3 PAIRS, 8-10 IND, 8 TERR. 2000:3 FAMILIES, 8 PAIRS, 1 MALE, 2 JUV. 2001:4 IND, 9 PAIRS, 1 FAMILY. 2002:10 PAIRS, 1 IND, 1 NEST.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	127	Map Index:	03449	EO Index:	25037	Element Last Seen:	1986-07-26
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1986-07-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.12059 / -117.31559				Accuracy:	1/5 mile	
UTM:	Zone-11 N3664700 E470559				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 20 (S)				Acres:	0.0	
Location:	0.3 MI ESE OF I-5/PALOMAR AIRPORT RD JCT, APPROX 3 MI N OF LEUCADIA.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB INVADDED BY WEEDY SPECIES, ON A SOUTH-FACING, OPEN, DRY MID-SLOPE; VEGETATION IS DOMINATED BY BRASSICA NIGRA, ENCELIA CALIFORNICA, AND FOENICULUM VULGARE.						
General:	1-10 INDIVIDUALS OBSERVED BY SCHEIDT.						
Owner/Manager:	PVT						

Occurrence No.	128	Map Index:	04295	EO Index:	8379	Element Last Seen:	1989-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-24
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02365 / -117.03118				Accuracy:	non-specific area	
UTM:	Zone-11 N3653909 E497087				Elevation (ft):	700	
PLSS:	T13S, R01W, Sec. 19, SW (S)				Acres:	152.9	
Location:	COCHE VIEJO ESTATES, 1 MILE EAST OF RANCHO BERNARDO AND 1.75 MILES EAST OF JUNCTION OF POMERADO ROAD AND ESPOLA ROAD.						
Detailed Location:	FOR TOWNSHIP 13S AND RANGE 1W, NON-SPECIFIC POLYGON COVERS SOUTHWESTERN CORNER OF SECTION 19 AND SMALL NORTHWESTERN PORTION OF SEC 30; FOR T13S, R2W POLYGON COVERS NORTHEASTERN PORTION OF SEC 25 AND SMALL SOUTHEASTERN PORTION OF SEC 24.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB DOMINATED BY ERIOGONUM FASCICULATUM AND MALOSMA LAURINA. ELEVATION RANGE: 550-900 FEET. SURROUNDED BY DEVELOPMENT. RIPARIAN CORRIDOR ALONG NORTHEASTERN BORDER OF POLYGON (BORDERING OLD COACH ROAD).						
General:	16 INDIVIDUALS DETECTED BY SCHEIDT ON 27 JUNE 1981; 5 OBSERVATIONS (NUMBER OF INDIVIDUALS NOT INDICATED) REPORTED FROM 1985-1989 BY ERCE CONSULTING FIRM. FORAGING/NESTING AREA.						
Owner/Manager:	PVT-THE ALLMAN ORGANIZATION						



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Occurrence No.	150	Map Index:	33793	EO Index:	8305	Element Last Seen:	2000-12-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-12-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11986 / -117.22911				Accuracy:	non-specific area	
UTM:	Zone-11 N3664598 E478626				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 19 (S)				Acres:	64.5	
Location:	ON THE NORTH SIDE OF DIAMOND TRAIL ROAD, WEST OF RANCHO SANTA FE ROAD, BETWEEN CARLSBAD AND SAN MARCOS.						
Detailed Location:	2000: FEMALE OBSERVED FORAGING IN FORMER CORRAL.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA; HABITAT FOUND ON THE NORTH & SOUTH ASPECTS & THE HILLTOP. OTHER RARE TAXA FOUND AT THIS SITE INCLUDE CNEMIDOPHORUS HYPERYTHRUS, AIMOPHILA RUFICEPS, & ADOLPHIA CALIFORNICA.						
General:	1989: AT LEAST 2 INDIVIDUALS LOCATED FROM VOCALIZATIONS. 1990: MAX OF 5 INDIVIDUALS OBS. 1992: 2 ADULTS & 1 JUVENILE OBS. PART OF HABITAT MAY BE DESIGNATED AS OPEN SPACE. 1 FEMALE OBSERVED ON 19 DEC 2000.						
Owner/Manager:	PVT						

Occurrence No.	160	Map Index:	22028	EO Index:	20961	Element Last Seen:	2001-08-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-01-28
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11557 / -117.29026				Accuracy:	non-specific area	
UTM:	Zone-11 N3664136 E472920				Elevation (ft):	360	
PLSS:	T12S, R04W, Sec. 22, NW (S)				Acres:	215.3	
Location:	SLOPES JUST SOUTH OF CANYON DE LAS ENCINAS, 1.3 MILE EAST OF I-5, CARLSBAD.						
Detailed Location:	PART OF HABITAT WAS TO BE RESTORED AS OAK WOODLAND AND SOUTHERN MARITIME CHAPARRAL; COASTAL SAGE SCRUB WAS ESTABLISHED INSTEAD.						
Ecological:	HABITAT IS DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, MALOSMA LAURINA, ENCELIA CALIFORNICA, ADENOSTOMA FASCICULATUM, QUERCUS AGRIFOLIA, AND OTHERS.						
General:	AT LEAST TWO ADULTS OBSERVED 2 AUG 1989. 5 OBSERVATIONS MADE SOMETIME BETWEEN 1990-92. PART OF SITE GRADED/RESTORED IN 1991-92. BIRDS OBSERVED IN 1995-96. 1 ADULT OBS ON 2 MAY 1997. MARCH/APRIL 1998: 2 PAIRS OBS. AUGUST 2001: 1 PAIR OBS.						
Owner/Manager:	PVT						



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Occurrence No.	161	Map Index:	17477	EO Index:	11901	Element Last Seen:	2015-10-20
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-10-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-02-12
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.33736 / -117.16255				Accuracy:	non-specific area	
UTM:	Zone-11 N3688699 E484873				Elevation (ft):	390	
PLSS:	T10S, R03W, Sec. 2, E (S)				Acres:	122.0	
Location:	WEST SIDE OF I-15, FROM ABOUT 0.4 MILES NW TO 0.7 MILES NNW OF I-15 AT HWY 76.						
Detailed Location:	PALA MESA HIGHLANDS DEVELOPMENT SITE, 2006-2015. PART OF THE GNATCATCHER HABITAT WAS PRESERVED AS OPEN SPACE (ENGEL FAMILY PRESERVE). 2015: REPORT SHOWS MITIGATION OFFSITE, ABOUT 5 MILES SOUTH (OCC #548).						
Ecological:	2001: HIGH QUALITY DIEGAN COASTAL SAGE SCRUB W/SAGEBRUSH, BUCKWHEAT, LAUREL SUMAC & WHITE SAGE; DEVELOPMENT N & S, OPEN SPACE W, & I-15 TO E. 2015: OTHER HABITATS INCL. ENGLEMANN OAK WOODLAND. 2017: SITE HAS BEEN GRADED, NOT YET BUILT OUT.						
General:	AT LEAST 2 OBSERVED, 23 OCT 1989. 4 PAIRS NESTING & 1 SOLO BIRD, 2000. 3 PAIRS (?) OBS, DEC 2001. 2 PAIRS, 1 SOLO IN 2004. 1 NEST, 5 TERRITORIES IN 2006. AT LEAST 1 FAMILY GROUP, 2008. AT LEAST 2 FAMILIES, 2013. 2 PAIRS (?) OBS OCT 2015.						
Owner/Manager:	PVT-MCLAIN DEVELOPMENT						

Occurrence No.	177	Map Index:	17734	EO Index:	16884	Element Last Seen:	2015-06-22
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-06-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-07
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.17932 / -117.19191				Accuracy:	non-specific area	
UTM:	Zone-11 N3671183 E482109				Elevation (ft):	776	
PLSS:	T11S, R03W, Sec. 33, NE (S)				Acres:	296.0	
Location:	FROM ABOUT 0.4 TO 1.4 MI SW OF SALEM ST AT HOLLYBERRY DR & 0.5 TO 1.4 MILES NE OF S14 AT BUENA CREEK RD, EAST OF VISTA.						
Detailed Location:	MAPPED TO INCLUDE PROVIDED DETECTION LOCATIONS.						
Ecological:	DIEGAN COASTAL SAGE SCRUB, DOMINATED BY SAGEBRUSH, BUCKWHEAT, LAUREL SUMAC, & TOYON W/SCATTERED PATCHES OF BLACK & WHITE SAGE; COAST LIVE OAK WOODLAND; EUCALYPTUS WOODLAND; & SOME DISTURBED FORMER HABITAT.						
General:	1 OBSERVED, 1988. PRESENT, NOV 1989. 1 PAIR & 2 JUVENILES OBS, 1991. 1 PAIR OBS, 1999. 1-2 PAIRS, MAR 2002. 1 OBS, 2003. AT LEAST 3 OBS, 2010. 3 PAIRS, 2011. 1 PAIR & 1 MALE, 2012. 2 PAIRS, 2013. AT LEAST 2 FAMILY GROUPS & 1 MALE, 2015.						
Owner/Manager:	PVT						



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Occurrence No.	178	Map Index:	17735	EO Index:	10101	Element Last Seen:	1997-06-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1997-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13657 / -117.14331				Accuracy:	1/5 mile	
UTM:	Zone-11 N3666436 E486633				Elevation (ft):	700	
PLSS:	T12S, R03W (S)				Acres:	0.0	
Location:	ALONG BARHAM AND SHELLY DRIVE, SAN MARCOS, JUST SOUTH OF HWY 78.						
Detailed Location:							
Ecological:	COYOTE BRUSH SCRUB, COASTAL SAGE SCRUB ON RELATIVELY STEEP TO NON-STEEP SLOPES W/ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM & MALOSMA LAURINA. SITE IS ADJACENT TO A RIPARIAN AREA & IS SURROUNDED BY RESIDENTIAL/COMMERCIAL DEVELOPMENT.						
General:	1 PAIR OBS 13 AUG 1991. 1 PAIR OBS BETWEEN 5 MAY AND 11 JUN 1997. AREA WAS AT ONE TIME AGRICULTURAL LAND THAT HAS REVERTED BACK TO COASTAL SAGE SCRUB. HABITAT IS HIGH QUALITY, BUT LACKS CONNECTIVITY WITH OTHER NEARBY PATCHES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	188	Map Index:	17789	EO Index:	10167	Element Last Seen:	1998-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08449 / -117.28383				Accuracy:	non-specific area	
UTM:	Zone-11 N3660689 E473511				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 34, SE (S)				Acres:	55.7	
Location:	JUST SOUTH OF BATIQUITOS LAGOON, MIDWAY BETWEEN I-5 AND EL CAMINO REAL, LEUCADIA.						
Detailed Location:							
Ecological:	HABITAT IS DIEGAN COASTAL SAGE SCRUB. PORTION OF PROPERTY TO SOUTH IS A MITIGATION SITE.						
General:	TWO BIRDS OBSERVED 6/16/89. TWO OTHER OBSERVATIONS SOMETIME BETWEEN 1990 & 1992. 2 PAIRS (1 PAIR W>1 FLEDGLING) OBSERVED 5-19 JUN 1997. 2 PAIRS AND 1 INDIVIDUAL OBSERVED ON OR AFTER 24 SEP 1998.						
Owner/Manager:	PVT						



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Occurrence No.	191	Map Index:	17790	EO Index:	9981	Element Last Seen:	2002-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-27
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15960 / -117.28323			Accuracy:	non-specific area		
UTM:	Zone-11 N3669016 E473589			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 03 (S)			Acres:	301.0		
Location:	APPROXIMATELY 0.6 MI NE OF EL CAMINO REAL NORTH TO CALAVERA LAKE, 3 MI EAST OF CARLSBAD.						
Detailed Location:	AREA INCLUDES THE CALAVERA PRESERVE SITE.						
Ecological:	HABITAT TO SOUTH IS COASTAL SAGE SCRUB W/ARTEMISIA CALIFORNICA & ERIOGONUM FASCICULATUM, SOME CHAPARRAL, ON SLOPES OF LOW-MODERATE SLOPE; BIRDS ALSO OBSERVED IN ECOTONE W/SOUTHERN CALIFORNIA GRASSLAND DOMINATED BY STIPA. SOME AG PRESENT.						
General:	5/23/84 4 PRS OBS; PROBABLY MORE PRESENT. SWEETWATER ENVIRONMENTAL: 10 OBS 1990-1992. 1 FAMILY, 1 PR (PART OF FAMILY?) & 1 FEMALE OBS JUL-AUG 1998. 3 PRS (1 W/NEST) OBS JUN-JUL 2000. 2 OBS APR-JUL 2002. MOLOTHRUS ATER VIC CALAVERA LAKE.						
Owner/Manager:	PVT, UNKNOWN						

Occurrence No.	206	Map Index:	17821	EO Index:	25696	Element Last Seen:	199X-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	1996-01-02
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00352 / -117.25996			Accuracy:	3/5 mile		
UTM:	Zone-11 N3651707 E475716			Elevation (ft):	100		
PLSS:	T13S, R04W (S)			Acres:	0.0		
Location:	SLOPES ON THE SOUTH EDGE OF SAN ELIJO LAGOON, EAST AND WEST OF I-5, CARDIFF.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB, ON THE SOUTH/SE EDGE OF THE LAGOON.						
General:	FROM 1974-78, THE ONLY OBSERVATIONS WERE 12/7/75 & 3/7/76 (3 MAXIMUM). FROM 1979-83, YEARLY OBSERVATIONS MADE, WITH MAXIMUM OF 9 SEEN ON 12/5/82. NEST WITH 4 YOUNG OBSERVED 6/80. 5 OBSERVATIONS MADE SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	207	Map Index:	17872	EO Index:	12809	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-12
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22609 / -117.37036				Accuracy:	1/5 mile	
UTM:	Zone-11 N3676412 E465490				Elevation (ft):	150	
PLSS:	T11S, R05W, Sec. 14, NE (S)				Acres:	0.0	
Location:	ON THE WEST SIDE OF WIRE MOUNTAIN, 0.75 MI NE OF SANTA MARGARITA SCHOOL, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:							
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	226	Map Index:	20024	EO Index:	9948	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31942 / -117.33959				Accuracy:	1/5 mile	
UTM:	Zone-11 N3686750 E468391				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 07, S (S)				Acres:	0.0	
Location:	0.9 MI NORTH OF VANDEGRIFT BLVD & BASILONE ROAD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	ONE BIRD OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	227	Map Index:	20025	EO Index:	9952	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32619 / -117.31892				Accuracy:	80 meters	
UTM:	Zone-11 N3687494 E470318				Elevation (ft):	60	
PLSS:	T10S, R04W, Sec. 08, NE (S)				Acres:	0.0	
Location:	SE END OF O'NEILL LAKE, JUST NORTH OF VANDEGRIFT BLVD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	ONE BIRD OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	228	Map Index:	20033	EO Index:	9914	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-12-16
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30475 / -117.32250				Accuracy:	non-specific area	
UTM:	Zone-11 N3685118 E469977				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 17 (S)				Acres:	112.6	
Location:	APPROXIMATELY ONE MI SOUTH OF O'NEILL LAKE, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	5 BIRDS OBSERVED DURING 1989 USFWS SURVEY; NORTHERN END OF THIS SITE BURNED DURING 1990 AFTER SURVEY. SAN DIEGO CACTUS WRENS ALSO KNOWN FROM THIS SITE.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	229	Map Index:	20032	EO Index:	9949	Element Last Seen:	2002-06-23
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-06-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32603 / -117.29950				Accuracy:	non-specific area	
UTM:	Zone-11 N3687472 E472124				Elevation (ft):	400	
PLSS:	T10S, R04W, Sec. 09 (S)				Acres:	211.1	
Location:	EAST & WEST OF AMMUNITION RD, ABOUT 0.7 MI NE OF INTERSECTION OF AMMUNITION ROAD & VANDEGRIFT BLVD, CAMP PENDLETON MCB.						
Detailed Location:	8 BIRDS LOCATED WEST OF AMMUNITION ROAD. 6 BIRDS OBSERVED EAST OF AMMUNITION ROAD.						
Ecological:	HIGH QUALITY COASTAL SAGE SCRUB (NW SITE) DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ISOCOMA MENZIESII, SALVIA APIANA, & MALOSMA LAURINA. SE PORTION OF SITE IS ALSO COASTAL SAGE SCRUB. SOME DISKING NEAR EDGES OF NW PORTION.						
General:	4 BIRDS OBSERVED DURING 1989 USFWS SURVEY. 8 BIRDS OBSERVED IN 4 LOCATIONS ON 10 OCT 1995. 1 PAIR DETECTED DURING 6 SURVEYS BETWEEN 16 MAY AND 23 JUN 2002.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	230	Map Index:	20026	EO Index:	9946	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30600 / -117.28269				Accuracy:	2/5 mile	
UTM:	Zone-11 N3685246 E473683				Elevation (ft):	500	
PLSS:	T10S, R04W, Sec. 15, SE (S)				Acres:	0.0	
Location:	0.8 MI NW OF MORRO HILL (PEAK), CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	ONE BIRD OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	231	Map Index:	20034	EO Index:	9943	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30111 / -117.29376				Accuracy:	non-specific area	
UTM:	Zone-11 N3684707 E472651				Elevation (ft):	350	
PLSS:	T10S, R04W, Sec. 22 (S)				Acres:	300.0	
Location:	EAST OF VANDEGRIFT BLVD & WEST OF MORRO HILL (PEAK), CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	13 BIRDS OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	232	Map Index:	20035	EO Index:	9912	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-12-16
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29751 / -117.30258				Accuracy:	non-specific area	
UTM:	Zone-11 N3684310 E471829				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 21, N (S)				Acres:	112.7	
Location:	BETWEEN PILGRIM CREEK & VANDEGRIFT BLVD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	4 BIRDS OBSERVED DURING 1989 USFWS SURVEY. SAN DIEGO CACTUS WREN ALSO KNOWN FROM THIS SITE.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	233	Map Index:	20027	EO Index:	9944	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28221 / -117.29781				Accuracy:	2/5 mile	
UTM:	Zone-11 N3682613 E472268				Elevation (ft):	180	
PLSS:	T10S, R04W, Sec. 28 (S)				Acres:	0.0	
Location:	ALONG VANDEGRIFT BLVD, 2 MI SSW OF MORRO HILL (PEAK), CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	3 BIRDS OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	234	Map Index:	20028	EO Index:	9945	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28538 / -117.31776				Accuracy:	2/5 mile	
UTM:	Zone-11 N3682970 E470412				Elevation (ft):	300	
PLSS:	T10S, R04W, Sec. 20 (S)				Acres:	0.0	
Location:	BETWEEN WINDMILL CANYON AND PILGRIM CREEK, 2 MI SE OF BASILONE ROAD AND VANDEGRIFT BLVD, CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	3 BIRDS OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	235	Map Index:	20030	EO Index:	9937	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27659 / -117.33338				Accuracy:	1/5 mile	
UTM:	Zone-11 N3681999 E468954				Elevation (ft):	400	
PLSS:	T10S, R04W, Sec. 30, SE (S)				Acres:	0.0	
Location:	WEST SIDE OF WINDMILL CANYON, APPROXIMATELY 2 MI SSE OF JUNCTION OF BASILONE ROAD & VANDEGRIFT BLVD, CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	3 BIRDS OBSERVED DURING 1989 USFWS SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	236	Map Index:	20029	EO Index:	9941	Element Last Seen:	199X-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-07
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27446 / -117.31603				Accuracy:	3/5 mile	
UTM:	Zone-11 N3681758 E470569				Elevation (ft):	300	
PLSS:	T10S, R04W, Sec. 29 (S)				Acres:	0.0	
Location:	AREA BETWEEN PILGRIM CREEK AND WINDMILL CANYON, 1.7 MI NNE OF WINDMILL LAKE, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	5 BIRDS OBSERVED DURING 1989 USFWS SURVEY. ONE OBSERVATION SOMETIME BETWEEN 1990 & 1992 BY SWEETWATER ENVIRONMENTAL BIOLOGISTS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						
Occurrence No.	237	Map Index:	20031	EO Index:	9932	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27003 / -117.33248				Accuracy:	1/5 mile	
UTM:	Zone-11 N3681272 E469035				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 31, NE (S)				Acres:	0.0	
Location:	WEST SIDE OF WINDMILL CANYON, 1 MI NORTH OF WINDMILL LAKE, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	ONE BIRD OBSERVED DURING 1989 USFWS SURVEY. SAN DIEGO CACTUS WREN ALSO KNOWN FROM THIS SITE.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	238	Map Index:	33803	EO Index:	5094	Element Last Seen:	2000-04-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2000-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2003-06-25
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26240 / -117.32067				Accuracy:	non-specific area	
UTM:	Zone-11 N3680423 E470133				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 32 (S)				Acres:	428.0	
Location:	ALONG RIDGE RUNNING NE FROM WINDMILL LAKE, ALONG THE BOUNDARY OF CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	AREA INCLUDES PART OF WHELAN PRESERVE.						
Ecological:	HABITAT IS MAINLY COASTAL SAGE SCRUB, ALONG WITH NON-NATIVE GRASSLAND AND SOUTHERN WILLOW SCRUB. OTHER RARE TAXA FOUND INCLUDE VIREO BELLII PUSILLUS, ASPIDOSCELIS HYPERYTHRUS, ICTERIA VIRENS, AND AIMOPHILA RUFICEPS CANESCENS.						
General:	8 BIRDS OBSERVED DURING 1989 USFWS SURVEY. ONE OBSERVATION SOMETIME BETWEEN 1990-92 BY SWEETWATER ENVIRONMENTAL BIOLOGISTS. FAMOLARO OBSERVED 4 PAIRS IN 1993 JUST OUTSIDE THE CAMP PENDLETON BOUNDARY. 4 PAIRS OBSERVED 22 MAR - 8 MAY 2000.						
Owner/Manager:	DOD, CENTER FOR NAT LANDS MGMT						

Occurrence No.	243	Map Index:	20104	EO Index:	9811	Element Last Seen:	2003-07-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2004-01-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17942 / -117.30466				Accuracy:	non-specific area	
UTM:	Zone-11 N3671219 E471597				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 33, N (S)				Acres:	70.4	
Location:	ALONG BUENA VISTA CREEK, 1-1.5 MILES EAST OF THE JUNCTION OF HWY 78 AND EL CAMINO REAL, CARLSBAD.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB & DISTURBED CSS (SOME ON MAN-MADE ISLAND OF MINE TAILINGS) NEAR RIPARIAN AREA. VEGETATION INC ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, BACCHARIS PILULARIS, MALOSMA LAURINA. DISTURBANCE INC HOMELESS CAMPS.						
General:	4 ADULTS OBS 4 AUG 1987. 1 PAIR, 1 MALE WITH A JUVENILE & A SINGLE MALE OBS BETWEEN 24 APR & 16 MAY 2000. 3 PAIRS (1 PAIR PRODUCING 2 YOUNG) OBS BETWEEN 25 APR & 17 JUL 2002. 5 ADULTS & 2 JUVENILES OBS (INCIDENTAL) 16 MAY - 24 JUL 2003.						
Owner/Manager:	PVT-SOUTH COAST ASPHALT CO						



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Occurrence No.	245	Map Index:	20234	EO Index:	22834	Element Last Seen:	2002-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2003-06-02
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22289 / -117.32838				Accuracy:	non-specific area	
UTM:	Zone-11 N3676045 E469401				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 17 (S)				Acres:	75.4	
Location:	SOUTH OF HWY 76 AND NORTH OF SAN LUIS REY SCHOOL EAST TO AREA PAST STAGE COACH ROAD, EAST OCEANSIDE.						
Detailed Location:	1990: SOUTH OF HWY 76, BEHIND SHOPPING CENTER & BETWEEN SAN LUIS REY SCHOOL & RANCHO DEL ORO. 2000 & 2002: EAST OF STAGE COACH ROAD. 2001: NE OF SAN LUIS REY SCHOOL & SOUTH OF HWY 76.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA AND BACCHARIS PILULARIS. NON-NATIVE GRASSLAND IN SOME SURROUNDING AREAS. MITIGATION BANK TO SOUTH OF SITE.						
General:	6 INDIVIDUALS OBSERVED ON 29 DEC 1990. 1 FAMILY GROUP, 1 PROBABLE PAIR AND A GROUP OF JUVENILES OBSERVED BETWEEN 28 JUL AND 11 AUG 2000. 2 PAIRS OBSERVED BETWEEN 14-28 NOV 2001. 4 PAIRS OBSERVED BETWEEN 25 APR AND MAY 9 2002.						
Owner/Manager:	UNKNOWN						

Occurrence No.	246	Map Index:	20347	EO Index:	14681	Element Last Seen:	2001-06-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2001-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-06
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06145 / -117.06890				Accuracy:	non-specific area	
UTM:	Zone-11 N3658101 E493568				Elevation (ft):	320	
PLSS:	T13S, R02W (S)				Acres:	8.2	
Location:	ALONG THE EAST SIDE OF I-15, BETWEEN POMERADO ROAD AND VIA RANCHO PARKWAY, ABOUT 2 MI SOUTH OF ESCONDIDO.						
Detailed Location:	COASTAL SAGE SCRUB INHABITED BY THE GNATCATCHER SLOPES DOWN FROM FREEWAY TOWARDS A WILLOW WOODLAND.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA.						
General:	ONE ADULT OBSERVED ON 4 MAR 1992. SOME DISTURBANCE BY EXOTICS (EUCALYPTUS) NOTED. UNKNOWN NUMBER OBSERVED (AT 1 LOCATION) BETWEEN 24 MAY AND 29 JUN 2001 DURING SOUTHWESTERN WILLOW FLYCATCHER SURVEYS.						
Owner/Manager:	CALTRANS						



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Occurrence No.	294	Map Index:	21337	EO Index:	2190	Element Last Seen:	1992-07-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-07-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-08-27
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04535 / -117.26515				Accuracy:	1/5 mile	
UTM:	Zone-11 N3656345 E475243				Elevation (ft):	330	
PLSS:	T13S, R04W, Sec. 14, NW (S)				Acres:	0.0	
Location:	OAK CREST PARK, SOUTH OF ENCINITAS BLVD AND WEST OF EL CAMINO REAL, ENCINITAS.						
Detailed Location:							
Ecological:	HABITAT: SOUTHERN MARITIME CHAPARRAL, WITH ADENOSTOMA FASCICULATUM, QUERCUS DUMOSA, ARCTOSTAPHYLOS GLANDULOSA, CEANOTHUS VERRUCOSUS; RARE SPECIES INCLUDE BACCHARIS VANESSAE, CHORIZANTHE ORCUTTIANA, CORETHROGYNE FILAGINIFOLIA VAR. LINIFOLIA.						
General:	ONE INDIVIDUAL OBSERVED, POSSIBLY A DISPERSING JUVENILE.						
Owner/Manager:	CITY OF ENCINITAS						

Occurrence No.	299	Map Index:	21678	EO Index:	17218	Element Last Seen:	199X-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-02-04
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04906 / -116.99314				Accuracy:	3/5 mile	
UTM:	Zone-11 N3656725 E500640				Elevation (ft):	1400	
PLSS:	T13S, R01W, Sec. 16, N (S)				Acres:	0.0	
Location:	SOUTH OF STARVATION MOUNTAIN AND WEST OF HIGHLAND VALLEY ROAD, 5 MI WNW OF RAMONA.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB, DOMINATED BY FLAT-TOPPED BUCKWHEAT, ON A SOUTH-FACING SLOPE, WITH MIXED CHAPARRAL NEARBY; SURROUNDING LAND USE IS AGRICULTURE. SCELOPORUS ORCUTTI ALSO FOUND HERE.						
General:	TWO OBSERVED 5/2/89. TWO OBSERVATIONS SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	PVT						

Occurrence No.	302	Map Index:	21686	EO Index:	8281	Element Last Seen:	199X-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-16
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25732 / -117.14068				Accuracy:	non-specific area	
UTM:	Zone-11 N3679823 E486896				Elevation (ft):	600	
PLSS:	T10S, R02W, Sec. 31, SE (S)				Acres:	243.5	
Location:	NORTH OF MOOSA CANYON AND EAST OF HWY 395, 11 MI EAST OF SAN LUIS REY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, ON A SOUTH-FACING SLOPE, VEGETATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, SALVIA APIANA, AND RHAMNUS CROCEA; SOILS ARE SANDY LOAM.						
General:	5 OR 6 GNATCATCHERS OBSERVED 9/8/1988. ONE OBSERVED BETWEEN 1990 & 1992.						
Owner/Manager:	PVT						



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Occurrence No.	310	Map Index:	22700	EO Index:	9860	Element Last Seen:	2000-02-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-02-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09556 / -117.30188				Accuracy:	non-specific area	
UTM:	Zone-11 N3661921 E471830				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 33 (S)				Acres:	75.7	
Location:	EAST AND WEST OF I-5 JUST NORTH OF BATIQUITOS LAGOON, CARLSBAD.						
Detailed Location:							
Ecological:	2 FRAGMENTS, ABOUT 64 TOTAL ACRES WITH COASTAL SAGE SCRUB; STEEP SOUTH- & EAST-FACING SLOPES. SAGE SCRUB COMPRISED OF ARTEMISIA CALIFORNICA, ENCELIA CALIFORNICA, SALVIA APIANA & OTHERS. A CORRIDOR TO OTHER FRAGMENTS TO THE EAST.						
General:	THERE WERE AT LEAST 5 OBSERVATIONS OF GNATCATCHERS - 3 EAST OF I-5 AND 2 WEST OF I-5, SOMETIME BETWEEN 1990 AND 1992. 1 FEMALE OBSERVED ON 11 FEB 2000.						
Owner/Manager:	UNKNOWN						

Occurrence No.	312	Map Index:	21705	EO Index:	8383	Element Last Seen:	1991-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-13
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05275 / -117.03370				Accuracy:	1/5 mile	
UTM:	Zone-11 N3657135 E496853				Elevation (ft):	550	
PLSS:	T13S, R02W, Sec. 12, S (S)				Acres:	0.0	
Location:	SOUTH OF HIGHLAND VALLEY ROAD AND SAN DIEGUITO RIVER, 2 MILES EAST OF I-15. SOUTHEAST OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT DOMINATED BY DIEGAN COASTAL SAGE SCRUB; DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM SSP. FASCICULATUM, AND SALVIA APIANA. MODERATELY STEEP NORTH/NORTHWEST-FACING SLOPE. ELEVATION RANGE: 400-500 FEET.						
General:	5 OBSERVATIONS DURING 1985-89; 1 OBSERVATION DURING 1990-91. NUMBER OF INDIVIDUALS NOT REPORTED. RIPARIAN VEGETATION ALSO PRESENT IN SMALL PATCHES (SPECIES COMPOSITION NOT GIVEN).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	313	Map Index:	21704	EO Index:	1637	Element Last Seen:	2001-06-13
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2001-06-13
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2003-05-02
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03982 / -117.03517				Accuracy:	non-specific area	
UTM:	Zone-11 N3655702 E496715				Elevation (ft):	550	
PLSS:	T13S, R02W, Sec. 13 (S)				Acres:	345.6	
Location:	ALONG SYCAMORE CREEK AND HILLS WNW OF OLD COACH ROAD TO JUST EAST OF OLD COACH ROAD, NE OF RANCHO BERNARDO.						
Detailed Location:	SLOPE OF SITE STEEP TO MODERATE. ELEVATION RANGE: 400-700 FT.						
Ecological:	HABITAT ALONG CREEK CONSISTS OF RIPARIAN SCRUB VEGETATION; SURROUNDING HILLS COMPOSED OF COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM SSP. FASCICULATUM, AND SALVIA APIANA.						
General:	1985-89: 2 OBSERVATIONS. 1990-91: 2 OBSERVATIONS (NUMBER OF BIRDS NOT SPECIFIED). 1990-92: 1 PAIR OBS. 1997: 5 TERRITORIAL PAIRS IDENTIFIED. 1 PAIR, 1 FAMILY GROUP OBS BETWEEN 13 OCT & 16 NOV 1998. 1 FAMILY GROUP OBS 5, 13 JUN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	316	Map Index:	21675	EO Index:	11919	Element Last Seen:	2002-09-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2002-09-XX
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2003-04-24
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09467 / -117.22979				Accuracy:	non-specific area	
UTM:	Zone-11 N3661805 E478556				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 31 (S)				Acres:	6018.2	
Location:	EAST OF BATIQUITOS LAGOON, EAST TO DOUBLE PEAK, SOUTH OF SAN MARCOS TO ABOUT 1.5 MILES NORTH OF ESCONDIDO CREEK.						
Detailed Location:	NO DATE: 34 "USE AREAS". 1986-1992, 1997, 1999-2002: SURVEYS SHOW GNATCATCHERS LOCATED THROUGHOUT AREA.						
Ecological:	LARGE AREA OF GENERALLY EXCELLENT GNATCATCHER HABITAT COMPRISED OF COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA. SOME HABITAT PATCHINESS NORTH & SOUTH SITE. PORTIONS OF SITE BURNED IN 1996.						
General:	1990-92:74 AREAS. 1986-92:22 PRS, 8 TERRITORIES. 21 ADULTS, 44 JUV, 6 SINGLE. 1994:5 ADULTS OBS. 1997:9 OBS. 1999:1 FAMILY, 1 FEMALE,2 PRS, 1 JUV. 2000:1 HEARD,2 OBS,7 PRS,1 FAMILY,1 FEMALE,7 HATCH YR. 2002:9 PRS,1 MALE.						
Owner/Manager:	PVT-FIELDSTONE CO, OTHERS						



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Occurrence No.	319	Map Index:	21708	EO Index:	8381	Element Last Seen:	1999-04-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02410 / -117.04863				Accuracy:	non-specific area	
UTM:	Zone-11 N3653959 E495458				Elevation (ft):	700	
PLSS:	T13S, R02W, Sec. 24 (S)				Acres:	41.6	
Location:	0.4 MILE NORTHWEST OF JUNCTION OF VALLE VERDE DRIVE AND ESPOLA ROAD, RANCHO BERNARDO-ESCONDIDO AREA.						
Detailed Location:	1999 SURVEY: EAST OF TANNIN DRIVE AND SOUTH OF SOLERA WAY.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM SSP. FASCICULATUM, AND SALVIA APIANA.						
General:	TWO OBSERVATIONS, 1990-91 (NUMBER OF INDIVIDUALS NOT INDICATED). 1 PAIR OBSERVED ON 26 APR 1999.						
Owner/Manager:	PVT						

Occurrence No.	320	Map Index:	21707	EO Index:	25955	Element Last Seen:	2002-06-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-07-31
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03189 / -117.00775				Accuracy:	non-specific area	
UTM:	Zone-11 N3654822 E499276				Elevation (ft):	1250	
PLSS:	T13S, R01W, Sec. 20, N (S)				Acres:	131.0	
Location:	ABOUT 0.5 MILE SOUTHEAST OF OLD COACH ROAD WHERE IT MEETS RESERVOIR, EAST OF RANCHO BERNARDO.						
Detailed Location:	OBSERVATIONS ON MODERATE TO STEEP SLOPE, ELEVATION RANGING FROM 1200-1300 FEET.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB AND SOUTHERN MIXED CHAPARRAL; DOMINANTS INCLUDE ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM SSP. FASCICULATUM, AND SALVIA APIANA.						
General:	SIX OBSERVATIONS DURING 1990-91 (NUMBER OF INDIVIDUALS NOT SPECIFIED). 2 INDIVIDUALS OBSERVED ON 20 JUN 2002.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	321	Map Index:	21706	EO Index:	18536	Element Last Seen:	2000-02-11
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-02-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2000-11-02
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01153 / -117.01335				Accuracy:	non-specific area	
UTM:	Zone-11 N3652565 E498752				Elevation (ft):	1100	
PLSS:	T13S, R01W, Sec. 29, W (S)				Acres:	875.2	
Location:	EAST OF ESPOLA ROAD, APPROXIMATELY 2 MILES EAST OF RANCHO BERNARDO.						
Detailed Location:	NON-SPECIFIC POLYGON COVERS PARTS OF SECTIONS 29, 30, AND 32. ELEVATION RANGES FROM 700-1300 FEET, BUT NO GNATCATCHER OBSERVATIONS ABOVE 1100 FEET. OBSERVATIONS ONLY ON MODERATE SLOPES.						
Ecological:	HABITAT MAINLY DIEGAN COASTAL SAGE SCRUB; DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM SSP. FASCICULATUM, MALOSMA LAURINA, & SALVIA APIANA. RIPARIAN CORRIDOR IN NORTHERN PART OF SITE; SURROUNDS RESERVOIR IN SECS 29 & 32.						
General:	5 OBSERVED ALONG RIPARIAN, 1985-89. 6 OBSERVED, 1990-91 NEAR LAKE POWAY. 18 OBSERVED, 1990-92. FEMALE AND A FLEDGLING OBSERVED (SYCAMORE CREEK), 25 AUG 1998. JUVENILE OBSERVED (LAKE POWAY), 22 SEP 1999. 1 ADULT OBSERVED, 11 FEB 2000.						
Owner/Manager:	PVT						

Occurrence No.	343	Map Index:	21753	EO Index:	21314	Element Last Seen:	1991-05-08
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-05-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03055 / -117.11580				Accuracy:	non-specific area	
UTM:	Zone-11 N3654679 E489186				Elevation (ft):	600	
PLSS:	T13S, R02W, Sec. 20 (S)				Acres:	54.2	
Location:	SOUTH OF LAKE HODGES, APPROXIMATELY 3 MILES WEST OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SOUTH-FACING SLOPES OF DIEGAN COASTAL SAGE SCRUB.						
General:	2 BREEDING PAIRS OF GNATCATCHERS OBSERVED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	344	Map Index:	21752	EO Index:	21313	Element Last Seen:	2015-05-11
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-05-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-04
Quad Summary:	Poway (3211781), Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00871 / -117.12685				Accuracy:	non-specific area	
UTM:	Zone-11 N3652260 E488151				Elevation (ft):	600	
PLSS:	T13S, R02W, Sec. 30 (S)				Acres:	68.0	
Location:	LA JOLLA VALLEY, ABOUT 0.3 MI NW-0.7 MI S OF CAMINO SAN BERNARDO AT DEER RIDGE RD & 1.3-2.1 MI NNW OF BLACK MTN SUMMIT.						
Detailed Location:	SE-MOST TWO POLYGONS REPRESENT 1991 DETECTIONS. NW POLYGON INCLUDES LOCATIONS GIVEN FOR 2014 & 2015 DETECTIONS.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB. SURROUNDING AREA IS SLOWLY BEING DEVELOPED.						
General:	2 PAIRS OF GNATCATCHERS OBSERVED ON 8 MAY 1991. 2 PAIRS OBSERVED ON 5 FEB 2014. 4 (POSSIBLY A FAMILY) OBSERVED ON 11 MAY 2015.						
Owner/Manager:	UNKNOWN						
Occurrence No.	367	Map Index:	22601	EO Index:	20493	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-01-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23458 / -117.35137				Accuracy:	1/5 mile	
UTM:	Zone-11 N3677348 E467263				Elevation (ft):	125	
PLSS:	T11S, R05W, Sec. 12, E (S)				Acres:	0.0	
Location:	SOUTHEAST OF CAMP PENDLETON MARINE CORPS BASE, BETWEEN HUBBERT LAKE & WHELAN LAKE.						
Detailed Location:							
Ecological:							
General:	2 OBSERVATIONS BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						
Occurrence No.	368	Map Index:	22603	EO Index:	20492	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19322 / -117.35191				Accuracy:	1/5 mile	
UTM:	Zone-11 N3672762 E467197				Elevation (ft):	100	
PLSS:	T11S, R05W, Sec. 25, NE (S)				Acres:	0.0	
Location:	AREA SOUTH OF OCEANSIDE BLVD, NORTH OF GRANDVIEW ST, AND EAST OF SAN DIEGO FRWY. EAST OF OCEANSIDE.						
Detailed Location:							
Ecological:							
General:	2 OBSERVATIONS BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	369	Map Index:	22602	EO Index:	20491	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-01-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23875 / -117.29619				Accuracy:	1/5 mile	
UTM:	Zone-11 N3677794 E472406				Elevation (ft):	80	
PLSS:	T11S, R04W, Sec. 10, NW (S)				Acres:	0.0	
Location:	0.2 MI SOUTH OF MISSION AVENUE, 1 MILE WSW OF JUNCTION OF MISSION AVENUE AND SANTA FE AVENUE, NW OF OCEANSIDE.						
Detailed Location:							
Ecological:							
General:	ONE OBSERVATION BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	370	Map Index:	22604	EO Index:	20497	Element Last Seen:	2000-10-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-10-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-02
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19344 / -117.31877				Accuracy:	specific area	
UTM:	Zone-11 N3672777 E470286				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 29, NE (S)				Acres:	51.4	
Location:	AREA EAST OF EL CAMINO REAL, NORTH OF HWY 78, SOUTH OF LOMA ALTA CREEK & WEST OF MIRACOSTA COLLEGE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, NON-NATIVE GRASSLAND, RUDERAL AND HILLSIDE WITH FENNEL.						
General:	TWO OBSERVATIONS BETWEEN 1990 & 1992. 2 BIRDS WERE HEARD CALLING ON 15 SEP 1999. SPECIES DETECTED AT 8 LOCATIONS BETWEEN 22 SEP AND 9 OCT 2000.						
Owner/Manager:	UNKNOWN						

Occurrence No.	371	Map Index:	22612	EO Index:	18161	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-16
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16752 / -117.29433				Accuracy:	1/5 mile	
UTM:	Zone-11 N3669897 E472557				Elevation (ft):	300	
PLSS:	T12S, R04W (S)				Acres:	0.0	
Location:	ABOUT 2 MILES SE OF THE JUNCTION OF HWY 78 AND EL CAMINO REAL. EAST OF CARLSBAD.						
Detailed Location:							
Ecological:							
General:	THREE OBSERVATIONS BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	373	Map Index:	22610	EO Index:	21952	Element Last Seen:	2013-04-02
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-04-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-05-30
Quad Summary:	Encinitas (3311713), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13556 / -117.30334				Accuracy:	non-specific area	
UTM:	Zone-11 N3666357 E471706				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 16 (S)				Acres:	1238.0	
Location:	AREA NORTH AND EAST OF AGUA HEDIONDA TO VICINITY OF EVANS POINT AND SOUTH TO PALOMAR AIRPORT ROAD, SOUTH CARLSBAD.						
Detailed Location:	DIFFERENT AREAS SURVEYED IN DIFF YEARS FOR MULTIPLE PROJECTS. NUMBERS PROVIDED ARE THE MINIMUM CONFIRMED PER YEAR. MOST DETECTIONS WERE OF PAIRS. PORTION OF OCCURRENCE IS A DEVELOPMENT MITIGATION SITE. 2013 DETECTION S END OF TWAIN AVE.						
Ecological:	COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA & OTHERS. ALSO SOUTHERN COTTONWOOD WILLOW RIPARIAN FOREST, GRASSLAND. AERIAL PHOTOS SHOW ABOUT 1/2 OF AREA DEVELOPED OR A GOLF COURSE (EXTIRP).						
General:	1980: 5 DETECTED. 1990-92: 13 DETECTIONS. 1997: 2 DET. 1998: 12+ (3 JUVS) DET AT 17 LOCATIONS. 1999: 5 DET. 2000: 2+ DET. 2004: 6+ DET. 2005: 8+ (4+ JUVS). 2006: 6+. 2007: 16+. 2008: 36 (16 FLEDGLINGS). 2010: 11. 2011: 2. 2012: 1. 2013: 3.						
Owner/Manager:	CENTER FOR NAT LANDS MGMT, PVT						

Occurrence No.	374	Map Index:	22611	EO Index:	13449	Element Last Seen:	2000-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-28
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14346 / -117.27685				Accuracy:	non-specific area	
UTM:	Zone-11 N3667225 E474179				Elevation (ft):	200	
PLSS:	T12S, R04W (S)				Acres:	369.7	
Location:	AGUA HEDIONA CREEK AREA, 0.75 MILE NORTH JUNCTION OF EL CAMINO REAL & PALOMAR AIRPORT ROAD, ~4 MILES EAST CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT AT THE NW & SE PORTIONS OF FEATURE IS COASTAL SAGE SCRUB. NW PORTION DOMINATED BY ARTEMISIA CALIFORNICA, ENCELIA CALIFORNICA & ERIOGONUM FASCICULATUM VAR. FASCICULATUM. ICTERIA VIRENS & EMPIDONAX TRAILLII IN VICINITY.						
General:	3 OBSERVATIONS BETWEEN 1990 AND 1992. 1 OBSERVED BETWEEN JUN 7 - 6 JUL 1999. 4 TERRITORIES IDENTIFIED 14 JUN - 31 JUL 2000. BROWN-HEADED COWBIRDS OCCURR ADJACENT TO GNATCATCHER TERRITORIES, SE PART OF SITE. INDUSTRIAL SOUTH OF CREEK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	375	Map Index:	22606	EO Index:	20495	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-16
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16877 / -117.26411				Accuracy:	1/5 mile	
UTM:	Zone-11 N3670028 E475375				Elevation (ft):	500	
PLSS:	T11S, R04W (S)				Acres:	0.0	
Location:	SAN FRANCISCO PEAK AREA ON SANTA SINFOROSA RIDGE. ABOUT 4.75 MILES ESE OF JUNCTION OF HWY 78 AND EL CAMINO REAL.						
Detailed Location:							
Ecological:							
General:	ONE OBSERVATION BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	377	Map Index:	22609	EO Index:	13450	Element Last Seen:	1999-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14594 / -117.32809				Accuracy:	non-specific area	
UTM:	Zone-11 N3667513 E469401				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 08 (S)				Acres:	17.5	
Location:	ON NORTHEAST SHORE OF AGUA HEDIONDA LAGOON SOUTH OF CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, RUDERAL AND DISTURBED AREAS.						
General:	ONE OBSERVATION BETWEEN 1990 & 1992. 1 BREEDING PAIR OBSERVED BETWEEN 23 MAR AND 8 APR 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	378	Map Index:	22586	EO Index:	8283	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-16
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29562 / -117.21087				Accuracy:	non-specific area	
UTM:	Zone-11 N3684080 E480367				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 20, NE (S)				Acres:	159.2	
Location:	JUST NORTHEAST OF JUNCTION OF SAN LUIS REY RIVER AND MOOSA CANYON.						
Detailed Location:							
Ecological:							
General:	5 OBSERVATIONS SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	379	Map Index:	22584	EO Index:	8282	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-16
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.28665 / -117.18513				Accuracy:	1/5 mile	
UTM:	Zone-11 N3683081 E482762				Elevation (ft):	500	
PLSS:	T10S, R03W, Sec. 22, SW (S)				Acres:	0.0	
Location:	NORTH OF MOOSA CANYON. ABOUT 2 MILES NW OF JUNCTION OF MOOSA CANYON RD AND HWY 395.						
Detailed Location:							
Ecological:							
General:	ONE OBSERVATION BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	380	Map Index:	22585	EO Index:	8285	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-16
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.28144 / -117.23104				Accuracy:	1/5 mile	
UTM:	Zone-11 N3682512 E478485				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 30, NE (S)				Acres:	0.0	
Location:	WEST OF SAN LUIS REY RIVER. SOUTHWEST OF JUNCTION OF OLIVE HILL RD AND MISSION RD. BONSALE.						
Detailed Location:							
Ecological:							
General:	ONE OBSERVATION BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	396	Map Index:	22650	EO Index:	8295	Element Last Seen:	2006-08-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-08-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-21
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02989 / -117.24750				Accuracy:	non-specific area	
UTM:	Zone-11 N3654627 E476886				Elevation (ft):	60	
PLSS:	T13S, R04W, Sec. 24 (S)				Acres:	239.0	
Location:	ALONG ESCONDIDO CREEK & WEST TO JUST WEST OF EL CAMINO REAL, ABOUT 2.7 MILES WEST OF RANCHO SANTA FE.						
Detailed Location:	2001, 2006: LUX CANYON.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB WITH SMALL PATCHES OF SOUTHERN MARITIME CHAPARRAL ON THE BLUFFS AND MESAS. DEVELOPMENT EXISTS TO THE SOUTH, MEDIUM-LOW DENSITY RESIDENTIAL TO THE NORTH AND EAST.						
General:	10-15 OBS BETWEEN 1990 & 1992. 1 JUV, 1 PAIR, 2 FAMILY GROUPS OBS 31 JUL-14 AUG 2000. 1 PAIR OBS ON16 FEB 2001 (MAY HAVE INHABITED SCRUB PATCH TO SE;PATCH BRUSHED, GRUBBED). 2 PAIRS OBS 29 APR-1 JUN 2002. 2 ADULTS & 1 JUV OBS AUG 2006.						
Owner/Manager:	UNKNOWN, PVT						
Occurrence No.	397	Map Index:	22651	EO Index:	8298	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05196 / -117.21289				Accuracy:	1/5 mile	
UTM:	Zone-11 N3657067 E480124				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 08, SW (S)				Acres:	0.0	
Location:	ESCONDIDO CREEK, 1.25 MILES NORTHWEST OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	398	Map Index:	22652	EO Index:	8299	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07958 / -117.15822				Accuracy:	1/5 mile	
UTM:	Zone-11 N3660120 E485233				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 02, NE (S)				Acres:	0.0	
Location:	ESCONDIDO CREEK, ALONG HARMONY GROVE ROAD.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	400	Map Index:	22654	EO Index:	8296	Element Last Seen:	2006-10-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-10-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-10-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03275 / -117.13476				Accuracy:	non-specific area	
UTM:	Zone-11 N3654925 E487415				Elevation (ft):	400	
PLSS:	T13S, R02W, Sec. 19 (S)				Acres:	160.0	
Location:	~0.3 MILE SW OF LAKE HODGES SPILLWAY, EXTRENDING SOUTH 0.7 MILE ALONG EAST SIDE OF TRIBUTARY TO THE SAN DIEGUITO RIVER.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB WITH CISMONTANE ALKALI MARSH AND SOUTHERN WILLOW RIPARIAN SCRUB ADJACENT TO STREAM TO SOUTH. SOUTHERN PORTION IS PROPOSED MITIGATION SITE. SINGLE FAMILY ESTATE HOMES TO THE SOUTH OF SITE.						
General:	TWO OBSERVATIONS SOMETIME BETWEEN 1990 & 1992. 3 INDIVIDUALS OBSERVED ON 23 JUL 1999. 6 PAIRS OBSERVED BETWEEN 14 JUN AND 19 JUL 2002. 2 ADULTS OBSERVED ON 5 OCT 2006.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	404	Map Index:	22665	EO Index:	27393	Element Last Seen:	1991-03-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-03-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-01-04
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34893 / -117.27495			Accuracy:	1/5 mile		
UTM:	Zone-11 N3690004 E474417			Elevation (ft):	640		
PLSS:	T09S, R04W, Sec. 35, SW (S)			Acres:	0.0		
Location:	0.5 MILE SOUTH OF THE JUNCTION OF AT&SFRR TRACKS & MISSILE ROAD, FALLBROOK NAVAL WEAPONS STATION.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	FIELD SURVEYS WERE CONDUCTED ON 5, 13, AND 15 MARCH AND 12 DECEMBER 1991. ONE PAIR OF GNATCATCHERS OBSERVED. A PAIR OF RUFOUS-CROWNED SPARROWS WERE OBSERVED IN THE SAME GENERAL AREA.						
Owner/Manager:	DOD-FALLBROOK NWS						
Occurrence No.	406	Map Index:	22027	EO Index:	13663	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-01-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11626 / -117.31040			Accuracy:	1/5 mile		
UTM:	Zone-11 N3664218 E471041			Elevation (ft):	100		
PLSS:	T12S, R04W, Sec. 21, NW (S)			Acres:	0.0		
Location:	0.75 MILE SOUTHEAST OF JUNCTION OF I-5 AND PALOMAR AIRPORT ROAD.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						
Occurrence No.	407	Map Index:	22029	EO Index:	10166	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07764 / -117.26383			Accuracy:	1/5 mile		
UTM:	Zone-11 N3659925 E475375			Elevation (ft):	100		
PLSS:	T13S, R04W, Sec. 02, N (S)			Acres:	0.0		
Location:	ABOUT 0.6 MILE SSE OF JUNCTION OF EL CAMINO REAL AND LA COSTA AVENUE, SOUTHEAST OF BATIQUITOS LAGOON.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	408	Map Index:	22030	EO Index:	10165	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06194 / -117.26428				Accuracy:	non-specific area	
UTM:	Zone-11 N3658184 E475329				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 11, N (S)				Acres:	91.9	
Location:	EAST AND WEST OF EL CAMINO REAL, ABOUT 1 MILE NORTH OF JUNCTION WITH ENCINITAS BLVD, ABOUT 2 MILES NE OF ENCINITAS.						
Detailed Location:							
Ecological:							
General:	TWO OBSERVATIONS SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	410	Map Index:	22032	EO Index:	10197	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01372 / -117.26947				Accuracy:	1/5 mile	
UTM:	Zone-11 N3652840 E474831				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 26, SW (S)				Acres:	0.0	
Location:	NORTH OF SAN ELIJO LAGOON & WEST OF I-5, 0.3 MILE NORTHWEST OF JUNCTION OF I-5 & MANCHESTER AVENUE.						
Detailed Location:							
Ecological:							
General:	OBSERVATION MADE SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	418	Map Index:	22043	EO Index:	7865	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-31
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	32.99924 / -117.09754				Accuracy:	1/5 mile	
UTM:	Zone-11 N3651207 E490887				Elevation (ft):	600	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	AREA ABOUT 1.5 MILES NW OF INTERSECTION OF I-15 AND CARMEL MOUNTAIN ROAD.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	419	Map Index:	22024	EO Index:	21294	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-07
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26219 / -117.30281				Accuracy:	non-specific area	
UTM:	Zone-11 N3680395 E471796				Elevation (ft):	100	
PLSS:	T10S, R04W, Sec. 33, SE (S)				Acres:	61.9	
Location:	RIDGE SOUTH OF PILGRIM CREEK STREAMBED. JUST SOUTHEAST OF CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:							
General:	2 OBSERVATIONS SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	434	Map Index:	22093	EO Index:	25882	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-02-03
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07303 / -117.02043				Accuracy:	non-specific area	
UTM:	Zone-11 N3659383 E498092				Elevation (ft):	700	
PLSS:	T13S, R01W, Sec. 06 (S)				Acres:	22093.0	
Location:	AREA JUST EAST OF SAN DIEGUITO RIVER UPSTREAM FROM LAKE HODGES AND SOUTH OF SAN PASQUAL VALLEY.						
Detailed Location:							
Ecological:							
General:	11 OBSERVATIONS MADE SOMETIME BETWEEN 1990 AND 1992, INCLUDING AT LEAST 2 PAIRS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	435	Map Index:	22094	EO Index:	25948	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-10
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04421 / -117.00364				Accuracy:	1/5 mile	
UTM:	Zone-11 N3656188 E499660				Elevation (ft):	900	
PLSS:	T13S, R01W, Sec. 17, E (S)				Acres:	0.0	
Location:	ABOUT 2 MILES ESE OF LAKE HODGES AND ABOUT 3.5 MILES NORTH EAST OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:							
General:	1-2 PAIRS OBSERVED SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	438	Map Index:	22092	EO Index:	25706	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10818 / -117.02148				Accuracy:	1/5 mile	
UTM:	Zone-11 N3663280 E497996				Elevation (ft):	500	
PLSS:	T12S, R01W, Sec. 30, NE (S)				Acres:	0.0	
Location:	0.8 MILE NORTH OF THE JUNCTION OF CLOVERDALE ROAD AND PASQUAL VALLEY ROAD. EAST OF ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	439	Map Index:	22091	EO Index:	25705	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-12-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.11755 / -117.00409				Accuracy:	1/5 mile	
UTM:	Zone-11 N3664318 E499618				Elevation (ft):	450	
PLSS:	T12S, R01W, Sec. 20, NE (S)				Acres:	0.0	
Location:	1.8 MILES NORTHEAST OF THE JUNCTION OF CLOVERDALE ROAD AND PASQUAL VALLEY ROAD. EAST OF ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	OBSERVATION SOMETIME BETWEEN 1990 & 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	440	Map Index:	22718	EO Index:	21953	Element Last Seen:	2001-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15710 / -117.30254				Accuracy:	non-specific area	
UTM:	Zone-11 N3668744 E471787				Elevation (ft):	225	
PLSS:	T12S, R04W, Sec. 04 (S)				Acres:	29.0	
Location:	NORTH OF EL CAMINO REAL, ABOUT 2.2 MILES SE THE JUNCTION OF HWY 78 AND EL CAMINO REAL, ABOUT 2 MILES EAST OF CARLSBBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF HIGH QUALITY DIEGAN COASTAL SAGE SCRUB DOMINATED BY SALVIA MELLIFERA W/SOME ENCELIA CALIFORNICA, ARTEMISIA CALIFORNICA, BACCHARIS SAROTHIODES & YUCCA WHIPPLEI. AGRICULTURE FIELD TO WEST & FALLOW FIELD TO EAST.						
General:	ONE OBSERVATION BETWEEN 1990-1992. 1 PAIR OBSERVED BETWEEN 24 MAY AND 20 JUN 2001.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	449	Map Index:	23946	EO Index:	26500	Element Last Seen:	1993-06-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-07-08
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29039 / -117.20265				Accuracy:	1/5 mile	
UTM:	Zone-11 N3683498 E481131				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 21, SW (S)				Acres:	0.0	
Location:	RIDGE SOUTH OF SAN LUIS REY RIVER & NORTH OF MOOSA CANYON. 0.75 MILE EAST OF JUNCTION OF LILAC RD & MOOSA CYN RD.						
Detailed Location:							
Ecological:	ISOLATED SITE WITH WELL DEVELOPED DIEGAN COASTAL SAGE SCRUB. AREA TO THE NORTH DEVELOPED TO AGRICULTURE & HOUSES. AREA TO THE SOUTH IS AGRICULTURE.						
General:	A SINGLE JUVENILE OBSERVED. AN ADJACENT LAND OWNER HAS REPORTED SEVERAL SIGHTINGS OF GNATCATCHERS. CACTUS WRENS ALSO FOUND HERE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	458	Map Index:	25988	EO Index:	9852	Element Last Seen:	1993-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-09-25
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.20617 / -117.37765				Accuracy:	non-specific area	
UTM:	Zone-11 N3674206 E464803				Elevation (ft):	100	
PLSS:	T11S, R05W, Sec. 23 (S)				Acres:	85.0	
Location:	VICINITY OF LAWRENCE CANYON, ADJACENT TO I-5 AND SE OF THE SAN LUIS REY RIVER, OCEANSIDE.						
Detailed Location:	SITE IS SURROUNDED BY URBAN AND RESIDENTIAL DEVELOPMENT, EXCEPT TO THE NORTH, WHERE IT IS BORDERED BY BOTH RIVERSIDE DRIVE AND THE SAN LUIS REY RIVER.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, AND VERNAL POOLS. OTHER RARE TAXA INCLUDE AIMOPHILA RUFICEPS CANESCENS, CROTALUS RUBER RUBER, DENDROICA PETECHIA, ICTERIA VIRENS, ACCIPITER COOPERI, AND VIREO BELLII PUSILLUS.						
General:	3 PAIRS OBSERVED DURING SPRING OF 1993.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	459	Map Index:	25987	EO Index:	17702	Element Last Seen:	1998-10-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-10-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15878 / -117.19705				Accuracy:	non-specific area	
UTM:	Zone-11 N3668906 E481625				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 04 (S)				Acres:	60.6	
Location:	APPROXIMATELY 0.4 MILE NORTH OF THE INTERSECTION OF MISSION ROAD AND RANCHO SANTA FE ROAD, SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND. OTHER RARE TAXA PRESENT INCLUDE CAMPYLORHYNCHOS BRUNNEICAPILLUS COUESI, AIMOPHILA RUFICEPS CANESCENS, AND LEPUS CALIFORNICUS BENNETTII.						
General:	2 INDIVIDUALS OBSERVED IN JULY 1992. 1 PAIR OBSERVED OCT 1998 IN VICINITY OF 1992 OBSERVATION. A SECOND PAIR WAS OBSERVED JUST WEST OF PROJECT SITE ON AN EAST-FACING SLOPE. SURROUNDING LAND USE IS RESIDENTIAL, COMMERCIAL, NATURAL.						
Owner/Manager:	UNKNOWN						

Occurrence No.	476	Map Index:	30816	EO Index:	4174	Element Last Seen:	1994-04-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1994-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-02-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04090 / -117.07968				Accuracy:	1/5 mile	
UTM:	Zone-11 N3655824 E492559				Elevation (ft):	400	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	JUST WEST OF I-15, 1 MILE SOUTH OF LAKE HODGES, RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A REMNANT PATCH OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA AND ERIOGONUM FASCICULATUM; SURROUNDING AREA CONSISTS OF RESIDENTIAL DEVELOPMENT AND A SEWAGE TREATMENT PLANT.						
General:	1 PAIR OF GNATCATCHERS OBSERVED ON 21 APRIL 1994.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	477	Map Index:	33152	EO Index:	12777	Element Last Seen:	1995-03-16
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1995-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-05-12
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05374 / -117.00775				Accuracy:	80 meters	
UTM:	Zone-11 N3657244 E499276				Elevation (ft):	1260	
PLSS:	T13S, R01W, Sec. 08, SW (S)				Acres:	0.0	
Location:	1 MILE WEST OF STARVATION MOUNTAIN AND 1 MILE SOUTH OF HIGHLAND VALLEY, SE OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF VERY HIGH-QUALITY DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA.						
General:	2 ADULTS OBSERVED ON 16 MARCH 1995.						
Owner/Manager:	PVT						
Occurrence No.	479	Map Index:	33160	EO Index:	22854	Element Last Seen:	1994-12-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1994-12-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-05-22
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15425 / -117.17127				Accuracy:	80 meters	
UTM:	Zone-11 N3668400 E484028				Elevation (ft):	800	
PLSS:	T12S, R03W, Sec. 02, SW (S)				Acres:	0.0	
Location:	0.6 MILE ENE OF PALOMAR COLLEGE, SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND MALOSMA LAURINA.						
General:	2 ADULTS HEARD CALLING NEAR DUSK; OBSERVED LATER.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	481	Map Index:	33283	EO Index:	1629	Element Last Seen:	2002-04-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05538 / -117.01573				Accuracy:	non-specific area	
UTM:	Zone-11 N3657426 E498531				Elevation (ft):	900	
PLSS:	T13S, R01W, Sec. 07 (S)				Acres:	31.1	
Location:	JUST EAST TO 0.2 MILE WEST OF OLD COACH ROAD, 0.7 MILE SOUTH OF HIGHLAND VALLEY ROAD, 3 MILES NE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DISTURBED COASTAL SAGE SCRUB AND COASTAL SAGE SCRUB DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA.						
General:	ON 4 MAY 1995, A SINGLE MALE WAS OBSERVED MOVING IN RESPONSE TO TAPED VOCALIZATIONS; MALE DID NOT VOCALIZE AND FEMALE WAS NOT OBSERVED (MAY HAVE BEEN ON EGGS?). 1 PAIR AND 1 MALE OBSERVED BETWEEN 20 MAR AND 4 APR 2002.						
Owner/Manager:	PVT						

Occurrence No.	501	Map Index:	36636	EO Index:	31633	Element Last Seen:	1997-05-12
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-05-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-09-08
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.32052 / -117.20591				Accuracy:	80 meters	
UTM:	Zone-11 N3686839 E480834				Elevation (ft):	375	
PLSS:	T10S, R03W, Sec. 09, SW (S)				Acres:	0.0	
Location:	0.7 MILE NORTH OF THE INTERSECTION OF VIA MONSERATE AND PALA ROAD (HWY 76), 4 MILES SE OF FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY WHITE SAGE; BORDERED BY NON-NATIVE GRASSLAND, OAK WOODLAND, AND DEVELOPED AREAS.						
General:	A SINGLE FEMALE WAS OBSERVED ON 12 MAY 1997.						
Owner/Manager:	PVT						



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Occurrence No.	505	Map Index:	36671	EO Index:	31668	Element Last Seen:	1996-09-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1996-09-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-09-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01369 / -117.08052				Accuracy:	80 meters	
UTM:	Zone-11 N3652807 E492479				Elevation (ft):	620	
PLSS:	T13S, R02W, Sec. 27 (S)				Acres:	0.0	
Location:	WEST SIDE OF I-15, 0.7 MILE SOUTH OF RANCHO BERNARDO ROAD, RANCHO BERNARDO.						
Detailed Location:	TERRITORY FOR THIS PAIR LIES PARTIALLY ON THIS PARCEL (WHICH IS TO BE DEVELOPED) AND PARTIALLY ON A PARCEL LYING DIRECTLY TO THE SOUTH.						
Ecological:	HABITAT CONSISTS OF BUCKWHEAT-SALTBUSH SCRUB; SUCCESSIONAL REGROWTH ON AN OLD, DISTURBED PARCEL. VEGETATED BY ERIOGONUM FASCICULATUM, ATRIPLEX CANESCENS, CYNARA CARDUNCULUS, AND WEEDS. FEROCACTUS VIRIDESCENS ALSO FOUND IN THE VICINITY.						
General:	2 ADULTS (PAIR) OBSERVED ON 10 SEP 1996.						
Owner/Manager:	PVT						

Occurrence No.	517	Map Index:	40484	EO Index:	35491	Element Last Seen:	1996-09-25
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1996-09-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-19
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24167 / -117.14736				Accuracy:	non-specific area	
UTM:	Zone-11 N3678088 E486271				Elevation (ft):	500	
PLSS:	T11S, R03W, Sec. 01 (S)				Acres:	198.7	
Location:	EAST SIDE OF I-15, ON BOTH SIDES OF SOUTH FORK MOOSA CANYON, 9 MILES NNW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, MALOSMA LAURINA AND OTHERS. BIRDS ALSO OBSERVED IN SUCCESSIONAL SCRUB AREAS DOMINATED BY BUCKWHEAT, BACCHARIS SAROTHROIDES.						
General:	2 INDIVIDUALS OBSERVED ON 8 DEC 1995. 4 ADULTS (?) AND 5 JUVENILES (?) OBSERVED ON 25 SEP 1996.						
Owner/Manager:	PVT						



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Occurrence No.	518	Map Index:	A5461	EO Index:	35492	Element Last Seen:	2016-11-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-11-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-24
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36208 / -117.15458			Accuracy:	non-specific area		
UTM:	Zone-11 N3691439 E485619			Elevation (ft):	454		
PLSS:	T09S, R03W, Sec. 25 (S)			Acres:	383.0		
Location:	BOTH SIDES OF I-15, FROM 0.4 MI W TO 1.0 MI ENE, AND 1.3 MI SE, OF THE STEWART CANYON DR UNDERPASS, S OF RAINBOW.						
Detailed Location:	INCLUDES MULTIPLE DEVELOPMENT SITES INCLUDING "PALA MESA PROJECT," "SCHNOEBELEN," "MEADOWOOD," & "CAMPUS PARK." ONE OF THE PAIRS DETECTED IN 2007 (NE POLYGON OF MAPPED FEATURE) ON MONSERATE MTN PRESERVE.						
Ecological:	HABITAT INCLUDED DISTURBED/RECOVERING & MATURE COASTAL SAGE SCRUB, NON-NATIVE GRASSLAND, OAK WOODLAND. 2016: MAJORITY OF SITE SLATED FOR DEVELOPMENT; INCIDENTAL TAKE APPROVED FOR 1 PAIR; ANOTHER 2 PAIRS "MAY BE IMPACTED" BY CONSTRUCTION.						
General:	8 ADULTS, INCL. 4 PAIRS DETECTED 2 FEB 1996. UP TO 10 PAIRS DET IN 1999. 6+ DET IN 2005. AT LEAST 3 PAIRS, 2007. 1 DETECTED, 2009. 2 PAIRS, 2012. 1 PAIR IN 2015. AT LEAST 4 PAIRS & 1 INDIVIDUAL IN 2016.						
Owner/Manager:	PVT						

Occurrence No.	519	Map Index:	40486	EO Index:	35493	Element Last Seen:	1996-04-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1996-04-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1999-01-05
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25794 / -117.20754			Accuracy:	80 meters		
UTM:	Zone-11 N3679901 E480668			Elevation (ft):	400		
PLSS:	T10S, R03W, Sec. 33, SW (S)			Acres:	0.0		
Location:	EAST OF THE INTERSECTION OF GOPHER CANYON ROAD AND ORMSBY ROAD, 7 MILES EAST OF SAN LUIS REY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SUCCESSIONAL COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, AND OTHERS.						
General:	1 INDIVIDUAL OBSERVED ON 12 APRIL 1996.						
Owner/Manager:	PVT						



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Occurrence No.	531	Map Index:	41225	EO Index:	41225	Element Last Seen:	1999-05-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1999-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1999-06-14
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07101 / -117.00282				Accuracy:	1/10 mile	
UTM:	Zone-11 N3659159 E499736				Elevation (ft):	880	
PLSS:	T13S, R01W, Sec. 05, SE (S)				Acres:	0.0	
Location:	0.4 MILE EAST OF THE INTERSECTION OF BANDY CANYON ROAD AND SKY HIGH ROAD, 4 MILES NE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MIRABILIS CALIFORNICUS. SURROUNDED BY GROVES ON TWO SIDES AND A HOME ON THE THIRD SIDE.						
General:	2 ADULTS OBSERVED ON 5 MAY 1999.						
Owner/Manager:	PVT						

Occurrence No.	547	Map Index:	44926	EO Index:	44926	Element Last Seen:	2000-06-01
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-02-13
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.16353 / -117.10565				Accuracy:	non-specific area	
UTM:	Zone-11 N3669421 E490148				Elevation (ft):	880	
PLSS:	T12S, R02W, Sec. 05, NE (S)				Acres:	162.6	
Location:	ALONG HIGHWAY 395, 2 MILES NORTH OF THE HIGHWAY 78 JUNCTION, NNW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY BACCHARIS SAROTHOIDES, ARTEMISIA CALIFORNICA, AND ERIOGONUM FASCICULATUM. SHRUB COVER VISUALLY ESTIMATED AT 50-75%; SLOPE ASPECT IS EASTERLY.						
General:	1 ADULT AND 1 JUVENILE OBSERVED ON 1 JUN 2000.						
Owner/Manager:	CALTRANS ROW						



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Occurrence No.	548	Map Index:	44927	EO Index:	44927	Element Last Seen:	2000-11-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-11-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-02-13
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.26551 / -117.15555				Accuracy:	non-specific area	
UTM:	Zone-11 N3680733 E485513				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 36, NW (S)				Acres:	40.2	
Location:	ALONG HIGHWAY 395, AT THE MOOSA CANYON ROAD JUNCTION, 12 MILES NORTH OF ESCONDIDO.						
Detailed Location:	LOCATED ON THE FREEWAY RIGHT-OF-WAY FILL SLOPE, FACING AWAY FROM THE TRAFFIC LANES.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA AND ERIOGONUM FASCICULATUM, AND ASSOCIATED WITH ATRIPLEX CANESCENS. SHRUB COVER VISUALLY ESTIMATED AT 50%.						
General:	1 INDIVIDUAL OBSERVED ON 30 NOV 2000.						
Owner/Manager:	CALTRANS ROW						

Occurrence No.	575	Map Index:	47157	EO Index:	47157	Element Last Seen:	1998-06-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-06-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10576 / -117.27953				Accuracy:	80 meters	
UTM:	Zone-11 N3663046 E473918				Elevation (ft):	220	
PLSS:	T12S, R04W, Sec. 27, NE (S)				Acres:	0.0	
Location:	0.9 MILE NORTH OF BATIQUITOS LAGOON AND 0.7 MILE WEST OF CAMINO REAL.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF THE INTERFACE BETWEEN DISTURBED COASTAL SAGE SCRUB AND CHAMISE CHAPARRAL. LAND TO THE WEST IS DEVELOPED.						
General:	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 17 APR 1998 DURING A SURVEY FOR QUINO CHECKERSPOT BUTTERFLY. A PAIR WITH 2+ FLEDGLINGS OBSERVED 22, 29 JUN 1998.						
Owner/Manager:	PVT						



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Occurrence No.	579	Map Index:	47165	EO Index:	47165	Element Last Seen:	1998-04-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-02-05
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27264 / -117.29272				Accuracy:	non-specific area	
UTM:	Zone-11 N3681550 E472739				Elevation (ft):	220	
PLSS:	T10S, R04W, Sec. 27 (S)				Acres:	37.2	
Location:	OCEANSIDE; 2.3 MILES SW OF MORRO HILL & 1.8 MILES DIRECTLY EAST OF WINDMILL CANYON. EAST & WEST OF VANDEGRIFT BLVD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA AND ERIOGONUM FASCICULATUM. SPARSE SHRUB COVER WITH NON-NATIVE GRASSLAND TO WEST AND DENSE PATCHES OF SHRUB TO EAST.						
General:	SURVEYS OCCURRED 13 MAR 1998 - 20 APR 1998. SMALL POPULATION SUPPORTED ON COASTAL SAGE SCRUB LOCATED WITHIN PARCELS.						
Owner/Manager:	UNKNOWN						
Occurrence No.	614	Map Index:	48421	EO Index:	48421	Element Last Seen:	2002-05-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2002-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-07-31
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20018 / -117.12966				Accuracy:	80 meters	
UTM:	Zone-11 N3673486 E487914				Elevation (ft):	1000	
PLSS:	T11S, R02W, Sec. 19, W (S)				Acres:	0.0	
Location:	0.3 MILE NW OF THE INTERSECTION OF DEER SPRINGS ROAD AND HIGHWAY 395, EAST OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF (DIEGAN) COASTAL SAGE SCRUB, SURROUNDED BY CHAMISE CHAPARRAL.						
General:	2 ADULTS (PAIR) OBSERVED ON 23 MAY 2002.						
Owner/Manager:	PVT						



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Occurrence No.	637	Map Index:	50575	EO Index:	50575	Element Last Seen:	2005-07-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-07-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-21
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02075 / -117.25775				Accuracy:	non-specific area	
UTM:	Zone-11 N3653617 E475926				Elevation (ft):	60	
PLSS:	T13S, R04W, Sec. 26 (S)				Acres:	13.0	
Location:	SOUTH END OF LUX CANYON, JUST NORTH OF SAN ELIJO LAGOON AND EAST OF CARDIFF-BY-THE-SEA.						
Detailed Location:	UNKNOWN DATE: OBSERVED EAST OF EL CAMINO REAL. 2002: EAST OF MANCHESTER AVENUE. 2005: WEST OF MANCHESTER AVENUE.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB. PROPOSED WETLAND MITIGATION SITE EXISTS TO THE SOUTH. SURROUNDING LAND AT WEST PORTION COMPRISED OF CONSTRUCTION, MACADAMIA TREE GROVE AND A CHURCH.						
General:	1 PAIR WITH A NEST OBSERVED AT NORTHERN PORTION ON UNKNOWN DATE. 1 PAIR OBSERVED AT SOUTHERN PORTION BETWEEN 27 MAR AND 9 MAY 2002. 4 ADULTS (SAME INDIVIDUALS?) AND 1 JUVENILE OBSERVED DURING 3 VISITS BETWEEN 17 JUNE 2005 AND 5 JULY 2005.						
Owner/Manager:	UNKNOWN, PVT						

Occurrence No.	660	Map Index:	51079	EO Index:	51079	Element Last Seen:	2002-06-03
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2002-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-04-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11767 / -117.16592				Accuracy:	non-specific area	
UTM:	Zone-11 N3664344 E484521				Elevation (ft):	800	
PLSS:	T12S, R03W, Sec. 23 (S)				Acres:	27.3	
Location:	NORTH TO JUST NNE OF SOUTH LAKE, 0.9 MILE NW OF MT WHITNEY & 2.25 MI E OF LAKE SAN MARCOS.						
Detailed Location:	2000: RANCHO CORONADO SOUTH PROJECT AREA.						
Ecological:	HABITAT CONSISTED OF DIEGAN COASTAL SAGE SCRUB. PLANTS INCLUDED ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, RHUS INTEGRIFOLIA, BACCHARIS PILULARIS, ERIOGONUM FASCICULATUM AND MALOSMA LAURINA. DEVELOPMENT TO THE NORTH.						
General:	1 PAIR, 1 MALE OBSERVED MAY 2000. 2 PAIRS OBS JUN 2000. 1 MALE OBS FEEDING BROWN-HEADED COWBIRD CHICK ON 9 JUN 2000. 1 PAIR W/NEST (3-4 CHICKS) OBS BETWEEN 14 MAY & 3 JUN 2002. THE PAIR WAS ALSO OBS FEEDING 2 FLEDGLINGS ON 3 JUN 2002.						
Owner/Manager:	PVT, UNKNOWN						



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Occurrence No.	661	Map Index:	51224	EO Index:	51224	Element Last Seen:	2001-08-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-08-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.11734 / -117.11895				Accuracy:	non-specific area	
UTM:	Zone-11 N3664301 E488902				Elevation (ft):	760	
PLSS:	T12S, R02W, Sec. 19 (S)				Acres:	157.5	
Location:	APPROXIMATELY 1.8 MILES WEST OF I-15 AND SOUTH OF STATE ROUTE 78, WEST ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT IS LOW-HIGH QUALITY COASTAL SAGE SCRUB - ARTEMISIA CALIFORNICA & ERIOGONUM FASCICULATUM WITH SOME RHAMNUS CROCEA, SALVIA APIANA, SALVIA MELLIFERA, OTHERS. GRASSLAND IS RESULT OF AG PRACTICES, OTHER DISTURBANCES, APPEARS RECOVERABLE.						
General:	6 PAIRS OBSERVED 15 MAR - 31 MAR 1998. 6 PAIRS & 8 FLEDGLINGS OBSERVED DURING 1999. 2 PAIRS OBSERVED APR 2001. 4 PAIRS & 6 UNKNOWN OBSERVED DURING AUG 2001. 4-8 HOMELESS ENCAMPMENTS, BROWN-HEADED COWBIRDS PRESENT IN AREA.						
Owner/Manager:	UNKNOWN, PVT						

Occurrence No.	662	Map Index:	51230	EO Index:	51230	Element Last Seen:	1997-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.09708 / -117.10289				Accuracy:	80 meters	
UTM:	Zone-11 N3662054 E490398				Elevation (ft):	780	
PLSS:	T12S, R02W, Sec. 29 (S)				Acres:	0.0	
Location:	APPROXIMATELY 1.8 MILES WEST OF I-15 AND SE OF DEL DIOS ROAD, SW ESCONDIDO.						
Detailed Location:	VICINITY OF CITRACADO PARKWAY AND NORTHERN TERMINUS OF SCENIC TRAILS WAY.						
Ecological:	HABITAT CONSISTS OF ARTEMISIA CALIFORNICA, MALOSMA LAURINA AND ERIOGONUM FASCICULATUM. NATIVE ANNUALS INCLUDE OSMADENIA TENELLA, PHACELIA RAMOSISSIMA, CLARKIA PURPUREA AND OTHERS.						
General:	1 PAIR OBSERVED FORAGING IN SAGE SCRUB ON 2, 9 MAY 1997.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	663	Map Index:	51263	EO Index:	51263	Element Last Seen:	1999-10-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-12
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08137 / -117.27186				Accuracy:	1/10 mile	
UTM:	Zone-11 N3660340 E474627				Elevation (ft):	160	
PLSS:	T12S, R04W, Sec. 35, SW (S)				Acres:	0.0	
Location:	0.3 MILE SW THE INTERSECTION OF LA COSTA AVENUE AND EL CAMINO REAL, SOUTH OF BATIQUITOS LAGOON, NE OF LEUCADIA.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF COASTAL SAGE SCRUB (ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA), SOUTHERN MARITIME CHAPARRAL, COYOTE BUSH SCRUB, WETLAND & DISTURBED/DEVELOPED. RESIDENTIAL/UNDEVELOPED LAND TO THE WEST, SOUTH & EAST.						
General:	1 PAIR OBSERVED ON 5 OCT 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	664	Map Index:	51262	EO Index:	51262	Element Last Seen:	2000-08-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-08-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-12
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08304 / -117.29343				Accuracy:	1/5 mile	
UTM:	Zone-11 N3660531 E472614				Elevation (ft):	140	
PLSS:	T12S, R04W, Sec. 34, SW (S)				Acres:	0.0	
Location:	SE INTERSECTION OF LA COSTA AVENUE AND I-5, SOUTH OF BATIQUITOS LAGOON, NE LEUCADIA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB AND SOUTHERN MARITIME CHAPARRAL. ORANGE-THROATED WHIPTAILS OBSERVED IN PREVIOUS VEGETATION SURVEYS.						
General:	1 PAIR WITH 3 JUVENILES AND AN UNPAIRED MALE OBSERVED 17-31 AUG 2000.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	665	Map Index:	51414	EO Index:	51414	Element Last Seen:	2001-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15839 / -117.29187				Accuracy:	non-specific area	
UTM:	Zone-11 N3668884 E472783				Elevation (ft):	160	
PLSS:	T12S, R04W, Sec. 03 (S)				Acres:	73.7	
Location:	APPROXIMATELY 0.7 MILE NNE THE JUNCTION OF EL CAMINO REAL AND CALAVERAS ROAD, ABOUT 3 MILES EAST OF CARLSBAD.						
Detailed Location:	2 PAIRS LOCATED AT OPPOSITE ENDS OF FEATURE.						
Ecological:	HABITAT IS A MIX OF GRASSLAND, OPEN, LOW QUALITY DIEGAN COASTAL SAGE SCRUB W/SCATTERED BLACK MUSTARD TRANSITIONING INTO CHAMISE CHAPARRAL (CENTRAL PORTION OF SITE) AND INTO OPEN DIEGAN COASTAL SAGE SCRUB AT EAST END.						
General:	2 PAIRS OBSERVED BETWEEN 24 MAY AND 20 JUN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	666	Map Index:	51427	EO Index:	51427	Element Last Seen:	2000-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18135 / -117.32104				Accuracy:	80 meters	
UTM:	Zone-11 N3671437 E470071				Elevation (ft):	40	
PLSS:	T11S, R04W, Sec. 32, NE (S)				Acres:	0.0	
Location:	ALONG SOUTH SIDE OF BUENA VISTA CREEK, APPROXIMATELY 0.3 MILE EAST THE JUNCTION OF HWY 78 & EL CAMINO REAL, CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, PRESENT IN VARYING DEGREES OF QUALITY, THAT IS ASSOCIATED WITH SOUTHERN WILLOW SCRUB IN SOME LOCATIONS. SURROUNDING RIPARIAN AREA CONSISTS OF SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST.						
General:	1 PAIR OBSERVED BETWEEN 24 APR AND 16 MAY 2000.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	667	Map Index:	51479	EO Index:	51479	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19595 / -117.36424				Accuracy:	specific area	
UTM:	Zone-11 N3673069 E466049				Elevation (ft):	100	
PLSS:	T11S, R05W, Sec. 25, NW (S)				Acres:	9.1	
Location:	EAST OF I-5 AND 0.4 MILE NORTH OF THE OCEANSIDE BLVD EXIT, OCEANSIDE.						
Detailed Location:	JUST SE OF THE OCEANSIDE SENIOR CENTER.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB DOMINATED BY BACCHARIS SAROTHOIDES. UNDERSTORY IS MAINLY NON-NATIVE GRASSLAND. BROWN-HEADED COWBIRDS IN VICINITY.						
General:	2 PAIRS OBSERVED FORAGING BETWEEN 17 MAY AND 30 JUL 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	668	Map Index:	51481	EO Index:	51481	Element Last Seen:	2002-07-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-07-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-06
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22597 / -117.30864				Accuracy:	specific area	
UTM:	Zone-11 N3676381 E471241				Elevation (ft):	250	
PLSS:	T11S, R04W, Sec. 16 (S)				Acres:	34.8	
Location:	SOUTH OF MISSION AVENUE, APPROXIMATELY 1.3 MILES EAST OF EL CAMINO REAL, EAST OF SAN LUIS REY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB THAT IS LOW TO MEDIUM HEIGHT. THE COASTAL SCRUB HAS EXPANDED AND IS RECOVERING IN AN AREA PREVIOUSLY MAPPED AS DISTURBED.						
General:	8 PAIRS ESTIMATED IN 1994. SURVEY BETWEEN 14-28 OCT 1998: 13 PAIRS ESTIMATED TO OCCUPY AREA. 1999: 6 USE AREAS. BETWEEN 30 MAY AND 8 JUL 2002: 4 PAIRS NESTING (2 PAIRS FLEDGED 4 YOUNG, 1 NEST PREDATED, 1 NEST WO/ EGGS).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	669	Map Index:	51486	EO Index:	51486	Element Last Seen:	1998-02-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-02-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-09
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14035 / -117.22962				Accuracy:	non-specific area	
UTM:	Zone-11 N3666869 E478583				Elevation (ft):	400	
PLSS:	T12S, R03W, Sec. 07, SE (S)				Acres:	46.3	
Location:	0.6 MILE NORTH OF PALOMAR AIRPORT RD AND 1.5 MILES WEST OF RANCHO SANTA FE RD, SOUTH VISTA.						
Detailed Location:	1997: PAIR LOCATED ON SOUTH-FACING SLOPE OF CANYON, WEST OF BUSINESS PARK DRIVE.						
Ecological:	HABITAT ON WEST PORTION CONSISTS OF NATURAL AND HYDROSEEDED SAGE SCRUB ON A MANUFACTURED SLOPE. DIEGAN COASTAL SAGE SCRUB, SOUTHERN MARITIME CHAPARRAL, SOUTHERN WILLOW RIPARIAN SCRUB, MULEFAT SCRUB + OTHER COMMUNITIES LOCATED TO EAST.						
General:	1 PAIR OBSERVED ON 17, 24 AUG 1997. 2 PAIRS OBSERVED FEBRUARY 1998. AREA IN VICINITY PROPOSED FOR COMMERCIAL DEVELOPMENT.						
Owner/Manager:	PVT-LOMA SANTA FE GROUP, UNK						

Occurrence No.	670	Map Index:	51489	EO Index:	51489	Element Last Seen:	2003-06-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-06-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-12
Quad Summary:	San Marcos (3311722), Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.24811 / -117.24677				Accuracy:	specific area	
UTM:	Zone-11 N3678820 E477012				Elevation (ft):	280	
PLSS:	T11S, R04W, Sec. 01 (S)				Acres:	36.6	
Location:	SOUTH OF MISSION AVE AND WEST OF VISTA WAY, NORTH OF THE CITY OF VISTA.						
Detailed Location:	JEFFRIES RANCH. WEST TO NW OF HUTCHISON ST.OTHER SPECIES:SHARP-SHINNED HAWK, WHITE-TAILED KITES.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, NON-NATIVE GRASSLAND. MAJORITY OF AREA DISTURBED & PAST DISKING EVIDENT. RESIDENTIAL TO W & PART OF E BOUNDARY. DISTURBANCES: HUMAN TRAILS. SHARP-SHINNED HAWK, WHITE-TAILED KITES (W/JUV?) IN VIC.						
General:	3-4 PAIRS OBSERVED BETWEEN 20 NOV AND 8 DEC 1998. 2 ADULTS (NESTING, FLEDGLINGS HEARD) AND 1 JUVENILE OBSERVED ON 12 JUN 2003. BROWN-HEADED COWBIRD OBSERVED DURING 2 OF 9 SURVEYS IN AREA.						
Owner/Manager:	PVT						



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Occurrence No.	671	Map Index:	51492	EO Index:	51492	Element Last Seen:	2000-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16389 / -117.22554				Accuracy:	1/5 mile	
UTM:	Zone-11 N3669478 E478970				Elevation (ft):	410	
PLSS:	T12S, R03W, Sec. 05 (S)				Acres:	0.0	
Location:	SW OF HWY 78, SOUTH OF SHADOW RIDGE DRIVE AND NORTH OF AGUA HEDIONDA CREEK, SOUTH VISTA.						
Detailed Location:	SOUTH OF LUPINE HILLS ROAD, VICINITY OF MOBILE HOME PARK.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	1 INDEPENDENT JUVENILE OBSERVED BETWEEN 15 MAY AND 15 JUN 2000.						
Owner/Manager:	PVT						

Occurrence No.	672	Map Index:	51493	EO Index:	51493	Element Last Seen:	2001-08-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-06
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16749 / -117.19041				Accuracy:	80 meters	
UTM:	Zone-11 N3669871 E482246				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 03, NW (S)				Acres:	0.0	
Location:	NE OF HWY 78 AND JUST NORTH OF UNNAMED RESERVOIR, NORTH SAN MARCOS.						
Detailed Location:	WEST OF PRESENT TERMINUS OF LAS POSAS ROAD.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB (ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA) & COYOTE BUSH SCRUB (BACCHARUS PILULARIS). RURAL RESIDENTIAL TO NORTH/ WEST, RESIDENTIAL TO EAST/ SOUTH. NATURAL LAND TO NE, SW.						
General:	1 OBSERVED ON 3 AUG 2001. NO GNATCATCHERS OBSERVED IN 16 APR TO 1 MAY 2002 SURVEY.						
Owner/Manager:	PVT						

Occurrence No.	673	Map Index:	51494	EO Index:	51494	Element Last Seen:	2001-09-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-09-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-06
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.15825 / -117.03331				Accuracy:	non-specific area	
UTM:	Zone-11 N3668831 E496893				Elevation (ft):	740	
PLSS:	T12S, R02W, Sec. 01, SE (S)				Acres:	23.5	
Location:	APPROXIMATELY 0.15 MILE WEST OF VALLEY CENTER ROAD AND JUST SOUTH OF THE VISTA CANAL, NE ESCONDIDO.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB AND CHAMISE CHAPARRAL LOCATED TO THE NORTHWEST.						
General:	2 OBSERVED BETWEEN 23 AUG AND 6 SEP 2001. DEVELOPMENT TO OCCUR TO NORTH OF THE SITE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	675	Map Index:	51520	EO Index:	51520	Element Last Seen:	1998-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03218 / -117.15962				Accuracy:	specific area	
UTM:	Zone-11 N3654865 E485094				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 23, NE (S)				Acres:	32.6	
Location:	ALONG THE SECOND SAN DIEGO AQUEDUCT AND JUST SOUTH OF THE SAN DIEGUITO RIVER, NE OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	TERRITORIES REPORTED FROM 1994 TO 1997. 2 TERRITORIES DETECTED DURING PIPELINE ALIGNMENT SURVEYS CONDUCTED BETWEEN 8 MAY AND 4 AUG 1998.						
Owner/Manager:	UNKNOWN						

Occurrence No.	678	Map Index:	51605	EO Index:	51605	Element Last Seen:	2001-05-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-05-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25291 / -117.23929				Accuracy:	80 meters	
UTM:	Zone-11 N3679350 E477710				Elevation (ft):	340	
PLSS:	T11S, R03W, Sec. 06, NW (S)				Acres:	0.0	
Location:	SOUTH OF THE SAN LUIS REY RIVER & 0.36 MILE SSW OF INTERSECTION OF VISTA WAY & MISSION ROAD, NORTH OF VISTA.						
Detailed Location:	SW SLOPE.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB. RURAL RESIDENTIAL TO FAR SOUTH AND EAST.						
General:	1 PAIR OBSERVED ON 9, 16 MAY 2001.						
Owner/Manager:	PVT						

Occurrence No.	679	Map Index:	51606	EO Index:	51606	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25988 / -117.19493				Accuracy:	non-specific area	
UTM:	Zone-11 N3680114 E481843				Elevation (ft):	400	
PLSS:	T10S, R03W, Sec. 33 (S)				Acres:	244.8	
Location:	NORTH OF GOPHER CANYON ROAD AND 2.3 MILES WEST OF I-15, NNE OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF MODERATE- TO HIGH-QUALITY COASTAL SAGE SCRUB AND BROOM BACCHARIS SCRUB. TOPOGRAPHY: RELATIVELY FLAT TO STEEP. SITE IS SURROUNDED BY LOW DENSITY RESIDENTIAL, A COUNTRY CLUB, AGRICULTURE AND UNDEVELOPED AREAS.						
General:	4 PAIRS AND 4 INDIVIDUALS OBSERVED DURING 2002.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	680	Map Index:	51614	EO Index:	51614	Element Last Seen:	2017-08-09
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-08-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-04-19
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31798 / -117.15471				Accuracy:	non-specific area	
UTM:	Zone-11 N3686550 E485599				Elevation (ft):	394	
PLSS:	T10S, R03W, Sec. 12 (S)				Acres:	240.0	
Location:	ALONG I-15, FROM ABOUT 0.2 MI SW TO 1.6 MI SSE OF THE HWY 76 INTERSECTION, SOUTH OF PALA MESA.						
Detailed Location:	MOST OBSERVATIONS FROM CALTRANS RIGHT-OF-WAY ON THE EAST SIDE OF I-15.						
Ecological:	DIEGAN COASTAL SAGE SCRUB (REVEGETATED SLOPE ALONG I-15) DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA AND SALVIA APIANA.						
General:	5 PAIRS OBSERVED 1999-2000. 25 OBS INCL. FAMILY & JUVENILES, 2001. 1 FAMILY, '05. PRESENT, '06-10. 6 NESTS, '11. 2 FAMILIES, '12. 2 FAMILIES & 1 MALE, '13. 4 PAIRS, 1 FAMILY & MALE, '14. AT LEAST 3 FAMILIES IN '15, 4 IN '16, 2 IN '17.						
Owner/Manager:	PVT, CALTRANS						

Occurrence No.	681	Map Index:	51616	EO Index:	51616	Element Last Seen:	1996-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-23
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.27707 / -117.15820				Accuracy:	1/10 mile	
UTM:	Zone-11 N3682015 E485267				Elevation (ft):	800	
PLSS:	T10S, R03W, Sec. 26, SE (S)				Acres:	0.0	
Location:	JUST E OF SECOND SAN DIEGO AQUEDUCT, N OF MOOSA CYN, 0.7 MI N OF JUNCTION OF I-15 & MOOSA CYN RD, 4 MI S OF PALA MESA.						
Detailed Location:							
Ecological:	HABITAT SURVEYED ALONG PIPELINE CONSISTS OF CHAPARRAL, COASTAL SAGE SCRUB, COAST LIVE OAK WOODLAND, RIPARIAN WOODLAND AND DISTURBED AREAS.						
General:	1 PAIR DETECTED BETWEEN 28 MAR AND 11 APR 1996. OTHER SPECIES OBSERVED ALONG PIPELINE (CONNECTING FIRST AND SECOND AQUEDUCTS) INCLUDE AIMOPHILA RUFICEPS CANESCENS, ASPIDOSCELIS HYPERYTHRUS, ACCIPITER COOPERII AND ELANUS LEUCURUS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	682	Map Index:	51640	EO Index:	51640	Element Last Seen:	1998-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.37256 / -117.27264				Accuracy:	specific area	
UTM:	Zone-11 N3692623 E474637				Elevation (ft):		
PLSS:	T09S, R04W, Sec. 26 (S)				Acres:	49.1	
Location:	ALONG COPPERHEAD ROAD, NAVAL WEAPONS STATION (FALLBROOK ANNEX), WEST FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A MOSAIC OF COASTAL SAGE SCRUB (DOMINATED BY ARTEMISIA CALIFORNICA), SEMI-NATIVE HERBACEOUS GROWTH AND SPARSE RIPARIAN GROWTH. SAGE SCRUB LOCATED ON HIGHER PARTS OF SLOPES AND RIDGES.						
General:	3 PAIRS (1 DOCUMENTED AS NESTING) OBSERVED THROUGHOUT 11 SURVEYS BETWEEN 18 NOV 1997 AND 10 JUN 1998. MITIGATION FOR LOSS 100 METERS EAST OF SITE.						
Owner/Manager:	DOD-FALLBROOK NWS						

Occurrence No.	683	Map Index:	51641	EO Index:	51641	Element Last Seen:	2001-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33661 / -117.29887				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688645 E472187				Elevation (ft):	530	
PLSS:	T10S, R04W, Sec. 04, E (S)				Acres:	0.0	
Location:	SOUTH SIDE HARM RD, 0.5 MI WEST OF AMMUNITION RD, NAVAL WEAPONS STATION (FALLBROOK ANNEX) SEAL BEACH, SW OF FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITES CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DISTURBED DIEGAN COASTAL SAGE SCRUB, NATIVE GRASSLAND, MULE FAT SCRUB, SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST, SOUTHERN WILLOW SCRUB AND DISTURBED AREAS.						
General:	1 PAIR WITH 2 JUVENILES OBSERVED DURING SURVEYS CONDUCTED ON 24 MAY AND 3 JUL 2001. POLE REPLACEMENT/REPAIR PROJECT IN VICINITY. AIMOPHILA RUFICEPS CANSCENS POSSIBLY OBSERVED IN THE VICINITY.						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	684	Map Index:	51644	EO Index:	51644	Element Last Seen:	2001-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35988 / -117.27219				Accuracy:	1/10 mile	
UTM:	Zone-11 N3691218 E474675				Elevation (ft):	530	
PLSS:	T09S, R04W, Sec. 26, SW (S)				Acres:	0.0	
Location:	ALONG AMMUNITION RD (AKA FALLBROOK RD), U.S. NAVAL WEAPONS STATION (FALLBROOK ANNEX), SW OF FALLBROOK.						
Detailed Location:	150 FEET SOUTH OF AMMUNITION ROAD BETWEEN POLES P-28661 & P-28662.						
Ecological:	HABITAT ON PROJECT SITES CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DISTURBED DIEGAN COASTAL SAGE SCRUB, NATIVE GRASSLAND, MULE FAT SCRUB, SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST, SOUTHERN WILLOW SCRUB AND DISTURBED AREAS.						
General:	1 PAIR WITH 2 JUVENILES OBSERVED DURING SURVEYS CONDUCTED ON 24 MAY AND 3 JUL 2001. POLE REPLACEMENT/REPAIR PROJECT IN VICINITY. AIMOPHILA RUFICEPS CANSCENS POSSIBLY OBSERVED IN THE VICINITY.						
Owner/Manager:	DOD-FALLBROOK NWS						

Occurrence No.	685	Map Index:	51650	EO Index:	51650	Element Last Seen:	2000-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32876 / -117.27019				Accuracy:	2/5 mile	
UTM:	Zone-11 N3687767 E474853				Elevation (ft):	550	
PLSS:	T10S, R04W, Sec. 11 (S)				Acres:	0.0	
Location:	APPROXIMATELY 0.6 MILE WEST OF LUNETA LANE, CAMP PENDLETON MCB, SEAL BEACH NAVAL WEAPONS STATION (FALLBROOK ANNEX).						
Detailed Location:	NORTH HAYBARN (CIRCUIT D).						
Ecological:	SURVEYS CONDUCTED IN COASTAL SAGE SCRUB AND DISPERSAL HABITAT.						
General:	UNKNOWN NUMBER OF GNATCATCHERS OBSERVED ALONG CIRCUIT D SEGMENT BETWEEN 8 MAR AND 12 APR 2000. DISTURBANCE POSSIBLE FROM PLACEMENT/REMOVAL OF ELECTRICAL DISTRIBUTION POLES.						
Owner/Manager:	DOD-SEAL BEACH NWS						



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Occurrence No.	688	Map Index:	51691	EO Index:	51691	Element Last Seen:	2001-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-07-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29255 / -117.15087				Accuracy:	1/10 mile	
UTM:	Zone-11 N3683730 E485952				Elevation (ft):	800	
PLSS:	T10S, R03W, Sec. 24, SW (S)				Acres:	0.0	
Location:	APPROXIMATELY 0.6 MILE SOUTH OF LILAC ROAD, BETWEEN OLD HWY 395 AND I-15, 8 MILES SE OF FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB.						
General:	1 PAIR OBSERVED DURING 5 OF 6 SURVEYS BETWEEN 19 MAR AND 25 APR 2001. FEMALE WAS OBSERVED WITH NESTING MATERIAL. SIGHTING ABOUT 0.25 MILE NORTH OF BORE LOCATION (FIBER OPTIC PROJECT).						
Owner/Manager:	UNKNOWN						

Occurrence No.	689	Map Index:	51692	EO Index:	51692	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-07-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.28422 / -117.14779				Accuracy:	1/10 mile	
UTM:	Zone-11 N3682806 E486238				Elevation (ft):	590	
PLSS:	T10S, R03W, Sec. 25, N (S)				Acres:	0.0	
Location:	APPROXIMATELY 1.3 MILES SOUTH OF LILAC ROAD, JUST EAST OF OLD HWY 395, 8.5 MILES SE OF FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB.						
General:	1 MALE OBSERVED ONCE DURING 6 SURVEYS BETWEEN 19 MAR AND 25 APR 2001. SIGHTING JUST EAST OF BORE LOCATION (FIBER OPTIC PROJECT).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	817	Map Index:	53287	EO Index:	53287	Element Last Seen:	2003-07-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2003-07-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25645 / -117.26396				Accuracy:	specific area	
UTM:	Zone-11 N3679749 E475412				Elevation (ft):	160	
PLSS:	T10S, R04W, Sec. 35, SE (S)				Acres:	13.7	
Location:	HIGH HOPE RANCH; 2 MILES EAST OF VANDEGRIFT BLVD, SOUTH OF THE SAN LUIS REY RIVER AND NORTH OF MISSION AVE, OCEANSIDE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB ON A 95% SLOPE BORDERED BY AGRICULTURE FIELDS. CSS HABITAT IS SMALL, DISJUNCT AND MARGINALIZED ALONG EDGE OF AGRICULTURE FIELDS WITH MUCH MUSTARD. 3 ELANUS LEUCURUS OBSERVED IN VICINITY ON 1 SURVEY.						
General:	3 ADULTS AND 2 JUVENILES OBSERVED ON 17 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. BROWN-HEADED COWBIRDS OBSERVED DURING ALL SURVEYS.						
Owner/Manager:	PVT						
Occurrence No.	839	Map Index:	56508	EO Index:	56524	Element Last Seen:	2002-08-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-08-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-08-26
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07667 / -117.17788				Accuracy:	1/10 mile	
UTM:	Zone-11 N3659801 E483397				Elevation (ft):	580	
PLSS:	T13S, R03W, Sec. 03, N (S)				Acres:	0.0	
Location:	NORTH OF ESCONDIDO CREEK AND 2.2 MILES DIRECTLY SOUTH OF DOUBLE PEAK, 6.3 MILES SW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB. A PORTION OF THE PROJECT SITE GRADED IN RECENT PAST.						
General:	1 ADULT FEMALE JUST OFF PROJECT SITE OBSERVED ON 29 AUG 2002.						
Owner/Manager:	PVT						



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Occurrence No.	840	Map Index:	58098	EO Index:	58134	Element Last Seen:	2003-09-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-09-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-11-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07621 / -117.17269				Accuracy:	80 meters	
UTM:	Zone-11 N3659749 E483881				Elevation (ft):	650	
PLSS:	T13S, R03W, Sec. 03, NE (S)				Acres:	0.0	
Location:	VICINITY OF ELFIN FOREST ROAD, 6 MILES SOUTH OF ESCONDIDO.						
Detailed Location:	SITE IS SURROUNDED BY A PLANT NURSERY TO THE WEST, RESIDENCES TO THE SOUTH, NW, AND EAST, AND UNDEVELOPED LAND TO THE NORTH AND NE.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DOMINATED BY SALVIA MELLIFERA, MIMULUS AURANTIACUS, AND BACCHARIS SAROTHOIDES, WITH MALOSMA LAURINA, LOTUS SCOPARIUS, AND MALACOTHAMNUS FASCICULATUS. SLOPE IS MODERATE AND NORTH-FACING.						
General:	1 ADULT OBSERVED ON 5 SEP 2003.						
Owner/Manager:	PVT						
Occurrence No.	842	Map Index:	64094	EO Index:	64189	Element Last Seen:	2005-09-01
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-09-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-02-28
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.13249 / -117.02251				Accuracy:	80 meters	
UTM:	Zone-11 N3665976 E497900				Elevation (ft):	1025	
PLSS:	T12S, R01W, Sec. 18 (S)				Acres:	0.0	
Location:	SOUTH OF REED ROAD, NE OF OAK HILLS MEMORIAL PARK, SE EDGE OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF OPEN DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, AND OTHER SOFT-WOODY SHRUBS. RUFIOUS-CROWNED SPARROW AND ORANGE-THROATED WHIPTAIL ALSO FOUND IN THE VICINITY.						
General:	1 ADULT AND 1 JUVENILE OBSERVED ON 1 SEP 2005.						
Owner/Manager:	PVT						



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Occurrence No.	850	Map Index:	68177	EO Index:	68327	Element Last Seen:	2005-07-25
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2005-07-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-21
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06987 / -117.28267				Accuracy:	non-specific area	
UTM:	Zone-11 N3659068 E473614				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 03, SW (S)				Acres:	13.0	
Location:	LOCATED BETWEEN INTERSTATE 5 AND ENCINITAS CREEK, 1.25 MILES SOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	0.3 MILE NORTH OF LEUCADIA BLVD AND FROM SAXONY RD TO 0.3 MILE EAST OF SAXONY RD.						
Ecological:	HABITAT CONSISTS OF BACCHARIS SCRUB, DIEGAN COASTAL SAGE SCRUB, AND NON-NATIVE GRASSLAND.						
General:	2 ADULTS OBSERVED ON 25 JUL 2005. AREA TO NORTH AND EAST IS UNDEVELOPED, WHILE AREA TO SOUTH AND WEST IS RESIDENTIAL.						
Owner/Manager:	UNKNOWN						

Occurrence No.	851	Map Index:	68201	EO Index:	68349	Element Last Seen:	2003-12-05
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2003-12-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-02-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10004 / -117.12789				Accuracy:	1/10 mile	
UTM:	Zone-11 N3662384 E488065				Elevation (ft):	700	
PLSS:	T12S, R02W, Sec. 30, SE (S)				Acres:	0.0	
Location:	JUST NORTH OF HARMONY GROVE ROAD AND ABOUT 0.2 MILE EAST OF COUNTRY CLUB DRIVE, NORTHEAST HARMONY GROVE.						
Detailed Location:							
Ecological:	SOME OPEN SPACE WITH DIEGAN COASTAL SAGE SCRUB DOMINATED BY CALIF SAGEBRUSH, CALIF BUCKWHEAT & BLACK SAGE. SOILS: LOAMS, SANDY LOAMS, & ROCKY SANDY LOAMS, WITH SOME CLAY LOAMS. AREA PRIMARILY AGRICULTURE: 2 EGG RANCHES, 1 DAIRY, 1 ORCHARD.						
General:	2 GNATCATCHERS OBSERVED ON 5 DEC 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	931	Map Index:	99092	EO Index:	100618	Element Last Seen:	2015-02-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-02-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-04
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29421 / -117.23016				Accuracy:	specific area	
UTM:	Zone-11 N3683927 E478570				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 19, NE (S)				Acres:	10.0	
Location:	ABOUT 0.3 MILE NE OF OLIVE HILL RD AT SHAMROCK RD & 0.5 MILE W OF HWY 76 AT S MISSION RD, BONSTALL.						
Detailed Location:	MAPPED TO INCLUDE USE AREAS OF PAIRS DETECTED IN 2015 USING PROVIDED SHAPEFILE (2015).						
Ecological:							
General:	4 ADULTS DETECTED IN VICINITY ON 31 JAN 2014. 1 PAIR OBSERVED FORAGING ON 24 FEB & 1 ON 25 FEB 2015.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	959	Map Index:	B1163	EO Index:	113057	Element Last Seen:	2016-08-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-08-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-03
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24423 / -117.16144				Accuracy:	specific area	
UTM:	Zone-11 N3678375 E484961				Elevation (ft):	932	
PLSS:	T11S, R03W, Sec. 2, SE (S)				Acres:	23.0	
Location:	FROM ABOUT 0.5-0.9 MI SW OF I-15 AT GOPHER CANYON RD & 3.25-3.5 MI NE OF WARMLANDS AVE AT ALESSANDRO TRAIL, E OF VISTA.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND MAP ATTACHED TO 2016 FIELD SURVEY FORM.						
Ecological:	UNDEVELOPED DIEGAN COASTAL SAGE SCRUB ADJACENT TO ORCHARDS & RURAL RESIDENTIAL. DISTURBANCE NOTED FROM FIRES, FUEL MANAGEMENT, & OLD DIRT ROADS. IN 2016, SURVEYOR COMMENTED THAT "SITE WILL LIKELY BE PRESERVED."						
General:	2 PAIRS AND 1 POSSIBLE JUVENILE SEEN AND HEARD CALLING ON 31 DEC 2015. PAIR SEEN AND HEARD CALLING ON 26 AUG 2016. NESTING SUSPECTED BUT NOT CONFIRMED.						
Owner/Manager:	PVT						

Occurrence No.	965	Map Index:	B2918	EO Index:	114848	Element Last Seen:	2017-05-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-05-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11459 / -117.1649				Accuracy:	specific area	
UTM:	Zone-11 N3664003 E484616				Elevation (ft):	850	
PLSS:	T12S, R03W, Sec. 23 (S)				Acres:	20.0	
Location:	VICINITY OF SOUTH LAKE, BOTH SIDES OF TWIN OAKS VALLEY RD FROM ABOUT 0.2 MI SSE - 0.5 MI SW OF THE BELLA VITA WAY JCT.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND LOCATIONS. 2008 DETECTION ON SOUTH LAKE PROPERTIES PARCELS. 2017 DETECTION (W-MOST POLYGON): LAND MANAGER GIVEN AS SAN DIEGO HABITAT CONSERVANCY.						
Ecological:	AREA BURNED IN HARMONY GROVE FIRE IN 1996. 2008: CHAPARRAL ON N SLOPES TOO DENSE FOR GNATCATCHERS; S SLOPES SUPPORT DISTURBED COASTAL SAGE SCRUB. 2017 DETECTION ON PRESERVED OPEN SPACE. AREA NORTH OF LAKE UNDER DEVELOPMENT AS OF 2019.						
General:	SINGLE MALE AND PAIR OBSERVED DURING SURVEYS ON 12 MAR 2002. 2 OBSERVED IN FLOCK OF BUSHTITS 12 JUN 2008, & WERE THOUGHT TO BE DISPERSING AFTER BREEDING. PAIR WITH 4 NESTLINGS OBSERVED ON 3 MAY 2017.						
Owner/Manager:	PVT						



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Occurrence No.	967	Map Index:	B3165	EO Index:	115081	Element Last Seen:	2017-07-26
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2017-07-26		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2019-06-06		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03937 / -117.14848			Accuracy:	specific area		
UTM:	Zone-11 N3655662 E486136			Elevation (ft):	356		
PLSS:	T13S, R03W, Sec. 13 (S)			Acres:	83.0		
Location:	CROSBY OSP & VICINITY, ALONG THE SAN DIEGUITO RIVER FROM ABOUT 0.1 MI NNE TO 0.9 MI E OF THE BING CROSBY BLVD BRIDGE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. WITHIN LAKE HODGES SEGMENT OF THE SDG COUNTY SUBAREA OF THE MSCP. 2013: IN HMA-1 AND HMA-2.						
Ecological:	MARITIME CHAPARRAL & COASTAL SAGE SCRUB WITH BUCKWHEAT, SAGEBRUSH, COAST CHOLLA, DEERWEED & LEMONADEBERRY. AREA RECOVERING FROM 2007 FIRE, RESTORATION & EROSION CONTROL UNDERWAY. ADJACENT TO RESIDENTIAL & GOLF COURSE DEVELOPMENT.						
General:	2 ADULT MALES OBSERVED 29 MAY 2012. UP TO 4 PAIRS & 6 INDIVIDUALS DETECTED, 2013. UP TO 4 PAIRS, 5 ADULTS DET JAN-FEB; 1+ ON 3 JUL 2014. 2 DET, 2015. 1 OBS 28 JUN & 1 ON 23 SEP 2016. UP TO 9 PAIRS, 3 ADULTS, & 1 JUVENILE OBS MAY-JUL 2017.						
Owner/Manager:	SDG COUNTY, PVT						

<i>Vireo bellii pusillus</i>				Element Code: ABPBW01114			
least Bell's vireo							
Listing Status:	Federal:	Endangered			CNDDB Element Ranks:	Global:	G5T2
	State:	Endangered				State:	S3
	Other:						
Habitat:	General:	SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.					
	Micro:	NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.					

Occurrence No.	4	Map Index:	03741	EO Index:	21326	Element Last Seen:	2013-06-25
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:	2013-06-25		
Occ. Type:	Natural/Native occurrence	Trend:	Stable	Record Last Updated:	2014-03-18		
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724), Pala (3311731), Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31204 / -117.19432			Accuracy:	non-specific area		
UTM:	Zone-11 N3685897 E481911			Elevation (ft):	150		
PLSS:	T10S, R03W, Sec. 16 (S)			Acres:	4272.0		
Location:	SAN LUIS REY RIVER, ADJACENT TO SR 76, FROM I-5 (OCEANSIDE) UPSTREAM TO LILAC RD EXN (PALA), NW OF ESCONDIDO.						
Detailed Location:	POPULATION #S PRESENTED AS THE MINIMUM NUMBER OF PAIRS (P), TERRITORIAL MALES (TM), FLEDGLINGS (F), AND/OR JUVENILES (J) DETECTED PER YEAR. MAPPED PRIMARILY TO 2005-2013 SURVEY SITES. BIRDS BANDED FROM RIVER FOUND IN ADJACENT POPULATIONS.						
Ecological:	HABITAT COMPOSED OF RED/ARROYO WILLOW, FREMONT COTTONWOOD, MULE FAT, BLACK WILLOW, SANDBAR WILLOW, MEXICAN ELDERBERRY, SWEET CLOVER, BOTTLEBRUSH, TAMARISK, PEPPERWEED, EUCALYPTUS, GIANT REED, COCKLEBUR, BLACK MUSTARD, & POISON HEMLOCK.						
General:	1919: 4 EGGS. '78: 6-8 TM. '83-84: 1-14 TM. '87-92: 22-43 P, 38 J & 38-102 F. '95-96: 70-75 P. 1999-2003: 1-103 P & 3-77 F. '04-08: 46-172 T/P & 54-178 J. '09: 229 P/38 J. '10: 264 P/106 J. '11: 172 P/99 J. '12: 135 P/69 J. '13: 159 P/86 J.						
Owner/Manager:	SDG COUNTY, PVT, UNKNOWN						



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Occurrence No.	5	Map Index:	03913	EO Index:	25004	Element Last Seen:	1978-05-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1978-05-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10		
Quad Summary:	San Marcos (3311722), Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25225 / -117.15058			Accuracy:	1 mile		
UTM:	Zone-11 N3679262 E485973			Elevation (ft):	280		
PLSS:	T11S, R03W, Sec. 01, N (S)			Acres:	0.0		
Location:	MOOSA CANYON FROM 1 MI E OF I-15 (AKA 395) TO CAMINO DEL REY.						
Detailed Location:							
Ecological:							
General:	TWO INDIVIDUALS (POSSIBLY A PAIR) OBSERVED IN A WILLOW THICKET; OBSERVATION BY PAUL JORGENSON.						
Owner/Manager:	UNKNOWN						

Occurrence No.	54	Map Index:	03330	EO Index:	16597	Element Last Seen:	2013-07-13
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2013-07-13		
Occ. Type:	Natural/Native occurrence	Trend:	Stable	Record Last Updated:	2014-03-18		
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724), Morro Hill (3311733), Las Pulgas Canyon (3311734), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.32662 / -117.33070			Accuracy:	non-specific area		
UTM:	Zone-11 N3687546 E469220			Elevation (ft):	200		
PLSS:	T10S, R04W, Sec. 08 (S)			Acres:	4881.0		
Location:	LOWER PART OF DE LUZ CREEK & SANTA MARGARITA RIVER FROM STUART MESA RD UPSTREAM TO SANDIA CREEK DR JUST N OF FALLBROOK.						
Detailed Location:	POPULATION #S PRESENTED AS MINIMUM NUMBER OF PAIRS (P), ADULTS (A), TERRITORIAL MALES (TM) AND/OR JUVENILES/FLEDGLINGS (J/F) DETECTED PER YEAR. MOST OBS IN SANTA MARGARITA RIVER (SMR) BASIN S OF CONFLUENCE OF DE LUZ CK & SMR. UNK # IN 2001.						
Ecological:	HABITAT CONSISTED OF RED/ARROYO WILLOW, BLACK WILLOW, SANDBAR WILLOW, CALIFORNIA SYCAMORE, POISON OAK, MULE FAT, CALIFORNIA WILD GRAPE, FREMONT COTTONWOOD, POISON HEMLOCK, FENNEL, MILK THISTLE, TAMARISK, PEPPERWEED, AND BLACK MUSTARD.						
General:	1978-83: 5-61 TM. '84-88: 83-202 TM. '89-95: 156-450 TM. '96-99: 504-583 TM. 2002: 1TM. '03: 2P/1F. '05: 852A/305J. '06: 754A/156J. '07: 385P. '08: 420P/427J. '09: 503P/405J. '10: 551P/283J. '11: 331P/352J. '12: 315P/297J. '13: 422P/296J.						
Owner/Manager:	DOD-USMC						



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Occurrence No.	60	Map Index:	03441	EO Index:	12965	Element Last Seen:	2012-04-06
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2012-04-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17901 / -117.31596			Accuracy:	non-specific area		
UTM:	Zone-11 N3671177 E470543			Elevation (ft):	20		
PLSS:	T11S, R04W, Sec. 32 (S)			Acres:	235.0		
Location:	BUENA VISTA ECOLOGICAL RESERVE, ALONG BUENA VISTA CREEK, JUST E OF EL CAMINO REAL, W OF COLLEGE BLVD, E OF CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED MAPS. SITE LOCATION GENERALLY DESCRIBED AS "BUENA VISTA CREEK, HWY 78 ON N BOUNDARY" & "BORDERED BY EL CAMINO REAL ON THE W & COLLEGE BLVD ON THE E." YOUNG POTENTIALLY PRESENT IN 1984. 2 SINGLE ADULTS ALSO IN 1980 & 2008.						
Ecological:	HABITAT DOMINATED BY ARROYO WILLOW, RED WILLOW, BLACK WILLOW, MULE FAT, FREMONT COTTONWOOD, CALIFORNIA SYCAMORE, WESTERN RAGWEED, CASTOR BEAN, GIANT REED, BRISTLY OX-TONGUE, SMALL PATCHES OF BULRUSH, PAMPASGRASS AND CALIFORNIA FAN PALM.						
General:	1983-84: 2 MALES (M) & 1 FEMALE. '97: 8M. '98: 2 TERRITORIAL M. 2000: 8 ADS & 4 FLEDGLINGS. '02: 5 PAIRS (PR) & 2 TERR. '03: 5 TERR. '05: 1M. '08: 1 PR & 3 M. '09: 2 DETECTIONS. '10: 7 PR & 3 UNPAIRED. '11: 3 PR & 6 CHICKS. '12: 2 TERR M.						
Owner/Manager:	UNKNOWN						

Occurrence No.	69	Map Index:	04238	EO Index:	17104	Element Last Seen:	1980-04-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1989-07-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-04-21
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07756 / -117.06377			Accuracy:	2/5 mile		
UTM:	Zone-11 N3659887 E494048			Elevation (ft):	370		
PLSS:	T13S, R02W, Sec. 02 (S)			Acres:	0.0		
Location:	KIT CARSON PARK, IN SAN BERNARDO VALLEY, BETWEEN HWY 395 AND SUNSET DRIVE, SOUTH OF ESCONDIDO.						
Detailed Location:	RIPARAIN HABITAT FRAGMENTED BY GOLF COURSE.						
Ecological:	HABITAT CONSISTS OF ABOUT ONE MILE OF RIPARIAN VEGETATION, PRIMARILY WILLOWS AND MULE FAT.						
General:	ONE TERRITORIAL MALE OBSERVED IN 1980; SITE SURVEYED IN 1989, BUT NO VIREOS DETECTED. 5 YR COWBIRD TRAPPING PROGRAM BEGUN IN 1989.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	75	Map Index:	20394	EO Index:	9564	Element Last Seen:	2012-06-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-06-22
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2016-07-22
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06907 / -117.03108				Accuracy:	non-specific area	
UTM:	Zone-11 N3658945 E497098				Elevation (ft):	420	
PLSS:	T13S, R01W, Sec. 06 (S)				Acres:	1427.0	
Location:	ALONG PARTS OF SAN DIEGUITO RIVER & SANTA YSABEL CREEK, E OF LAKE HODGES, 3 MILES SE OF ESCONDIDO, SAN PASQUAL VALLEY.						
Detailed Location:	LOCATION: "SANTA YSABEL CREEK/SAN DIEGUITO RIVER & SAN PASQUAL VALLEY." P= PAIR, F= FLEDGLING/YOUNG/JUVENILE, T= TERRITORIAL MALE/TERRITORY, S= SINGLE ADULT/INDIVIDUAL. EGGS COLLECTED IN 1909, 1913, & 1916 (WFVZ#115330, 115562, & 140423).						
Ecological:	DOMINANT PLANT SPECIES WERE BLACK WILLOW, RED WILLOW, ARROYO WILLOW, SANDBAR WILLOW, MULE FAT, CALIFORNIA SYCAMORE, BLUE ELDERBERRY, GIANT REED, TAMARISK, AND PEPPERWEED. YELLOW WARBLER AND YELLOW-BREADED CHAT TERRITORIES ALSO DETECTED.						
General:	1983: 1P/2F. '84: 17T. '85: 2T. '87-88: 0. '89: 7P/3T/6F. '90: 8P/4T. '91: 22S/8F. '92: 16P/8T. '97: <166T. 2001: 7S. '02: 1F. '03: 1S. '04: 3+T. '07: 7P/18T. '08: 4P/3T/17S. '09: 22P/7F/14S. '10: 26P/4F/26S. '11: 5P/3F/27S. '12: 9P/2F/17S.						
Owner/Manager:	UNKNOWN						

Occurrence No.	155	Map Index:	20400	EO Index:	9451	Element Last Seen:	2008-07-09
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-07-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-03-25
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.34106 / -117.15425				Accuracy:	non-specific area	
UTM:	Zone-11 N3689109 E485645				Elevation (ft):	270	
PLSS:	T10S, R03W, Sec. 01 (S)				Acres:	84.0	
Location:	ABOUT 0.7 MI NE OF I-15 & PALA RD INTERSECTION, N END OF PANKEY RD, N SIDE OF SAN LUIS REY RIVER, VICINITY OF PALA MESA.						
Detailed Location:	SITE NAMES WERE "PAPPAS SITE" AND "MEADOWVIEW SITE." VIREOS FROM THIS LOCATION POSSIBLY USE SAN LUIS REY RIVER, HOWEVER, SURVEYS DID NOT DETECT ANY VIREOS WITHIN THE NARROW RIPARIAN CORRIDOR JUST W OF PANKEY UNDERPASS.						
Ecological:	HABITAT COMPOSED OF SOUTHERN RIPARIAN FOREST, SOUTHERN WILLOW SCRUB, FRESHWATER MARSH, OAK WOODLAND, DIEGAN COASTAL SAGE SCRUB, COYOTE BRUSH SCRUB, NON-NATIVE GRASSLAND, PASTURE, EUCALYPTUS WOODLAND, ORNAMENTAL VEGETATION, & DEVELOPED LAND.						
General:	1 PAIR DETECTED APR-JUL 1991. ABOUT 5 TERRITORIES DETECTED MAY-JUL 2003. ABOUT 14 LBVI DETECTED APR-JUL 2004; 3 PAIRS, 1 JUVENILES, & 7 SINGLE ADULTS. 11-15 TERRITORIES DETECTED APR-JUL 2007. 5 TERRITORIAL BIRDS DETECTED APR-JUL 2008.						
Owner/Manager:	PVT						



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Occurrence No.	176	Map Index:	21222	EO Index:	16573	Element Last Seen:	2013-07-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-07-03
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2014-04-28
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27608 / -117.30342			Accuracy:	non-specific area		
UTM:	Zone-11 N3681935 E471744			Elevation (ft):	100		
PLSS:	T10S, R04W, Sec. 28 (S)			Acres:	762.0		
Location:	PILGRIM CREEK & CREEK TO EAST, 1.6 - 4 MI SOUTH OF THE INTERESECTION OF FALLBROOK & VANDEGRIFT BLVD, CAMP PENDLETON MCB.						
Detailed Location:	POPULATION DATA PRESENTED AS THE MINIMUM NUMBER OF DETECTED PAIRS/ADULTS. ADDITIONAL TERRITORIAL MALES, SINGLE INDIVIDUALS AND JUVENILES WERE ALSO DETECTED IN MOST YEARS. UP TO 70 JUVENILES DETECTED IN 2002-06 & 2008-2012.						
Ecological:	RED/ARROYO WILLOW, BLACK WILLOW, SYCAMORE, MULE FAT, BLACK MUSTARD, FENNEL POISON HEMLOCK, EUCALYPTUS, OX-TONGUE & THISTLE. SITE VALUABLE DUE TO PROXIMITY TO SAN LUIS REY & SANTA MARGARITA RIVER POPS. 2000-02: HABITAT RESTORATION SITE.						
General:	1988: 3 PAIRS (P). '89:3P. '90:6P. '91:1P. '95:30P. '96:20P. '97:21P. '99:36P. 2000:17P. '01: 30P. '02: 42 ADULTS. '03: 21 TERRITORIES. '04: 48 ADULTS. '05: 116 ADS. '06: 38 ADS. '07:29P. '08:9P. '09:11P. '10:28P. '11:22P. '12:12P. '13:14P.						
Owner/Manager:	DOD-CAMP PENDLETON MCB, UNK						

Occurrence No.	190	Map Index:	33648	EO Index:	30255	Element Last Seen:	2007-06-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-21
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06435 / -117.06659			Accuracy:	non-specific area		
UTM:	Zone-11 N3658423 E493783			Elevation (ft):	320		
PLSS:	T13S, R02W, Sec. 10, NE (S)			Acres:	71.0		
Location:	JUST EAST OF I-15, AT THE SAN DIEGUITO RIVER INLET TO LAKE HODGES (NORTH SIDE), 2 MILES SOUTH OF ESCONDIDO.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS.LOCATION DESCRIPTION WAS "E OF I-15, N OF LAKE HODGES, 0.25 MILES S OF VIA RANCHO PKWY."						
Ecological:	SOUTHERN WILLOW RIPARIAN IN THE LAKE HODGES BASIN, SURROUNDED BY COASTAL SAGE SCRUB (EAST & WEST OF I-15). DOMINANT PLANTS WERE BLACK WILLOW, ARROYO WILLOW, MULEFAT, AND TAMARISK. SURROUNDING LAND USE INCLUDED HIGHWAY & RESIDENTIAL.						
General:	2 PAIRS DETECTED IN 1992. 2 INDIVIDUALS DETECTED IN 1993. 3 TERRITORIAL SINGING MALES DETECTED MAY 1998. 2 INDIVIDUALS DETECTED IN 24 MAY AND 7 & 29 JUN 2001. 6 TERRITORIAL MALED DETECTED APR-AUG 2003. 7 TERRITORIES DETECTED APR-JUN 2007.						
Owner/Manager:	CALTRANS						



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Occurrence No.	191	Map Index:	33649	EO Index:	30336	Element Last Seen:	2003-07-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-03-26
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35203 / -117.30561			Accuracy:	non-specific area		
UTM:	Zone-11 N3690356 E471564			Elevation (ft):	260		
PLSS:	T09S, R04W, Sec. 33, N (S)			Acres:	36.0		
Location:	ALONG FALLBROOK CREEK, ABOUT 1.4 MILES UPSTREAM OF O'NEIL LAKE, 3.6 MILES SW OF FALLBROOK POST OFFICE.						
Detailed Location:	MAPPED PRIMARILY TO 2002-2003 DATA.1993 DETECTION WAS AT NW 1/4 OF NW 1/4 SECTION 33 (NOT MAPPED). 2001 LOCATION WAS MAPS STATION AT "FALLBROOK CREEK AND LOWER LAKE," EXACT LOCATION UNKNOWN.						
Ecological:	DOMINANT PLANT COMMUNITIES WERE SOUTHERN WILLOW SCRUB, SOUTHERN COTTONWOOD WILLOW RIPARIAN FOREST, SOUTHERN COAST LIVE OAK RIPARIAN FOREST. SITE IS LOCATED WITHIN AN OLD BURN AREA THAT HAS REGROWN.						
General:	1 ADULT ROOSTING AT STREAM TO N IN 1993. 1 ADULT MALE & 1 ADULT FEMALE Banded IN MAY 2001; FEMALE RECAPTURED IN JUN. 2 PAIRS & 2 SOLITARY MALES DETECTED 18 APR-6 JUN 2002; 1 PAIR FLEDGED 2 YOUNG. 3 PAIRS DETECTED 21 APR-29 JUL 2003.						
Owner/Manager:	DOD-FALLBROOK NWS						
Occurrence No.	192	Map Index:	33650	EO Index:	30337	Element Last Seen:	1993-05-25
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1993-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-01-30
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34645 / -117.27264			Accuracy:	1/5 mile		
UTM:	Zone-11 N3689728 E474631			Elevation (ft):	640		
PLSS:	T09S, R04W, Sec. 35, SW (S)			Acres:	0.0		
Location:	1.5 MILES SW OF FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DENSE WILLOW/RIPARIAN ALONG A SMALL STREAM.						
General:	PAIR OBSERVED NESTING ON 25 MAY 1993.						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	193	Map Index:	36460	EO Index:	31457	Element Last Seen:	1997-07-30
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-07-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-08-19
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13037 / -117.19181				Accuracy:	80 meters	
UTM:	Zone-11 N3665756 E482108				Elevation (ft):	520	
PLSS:	T12S, R03W, Sec. 16 (S)				Acres:	0.0	
Location:	SAN MARCOS CREEK, 0.4 MILE SW OF THE INTERSECTION OF LAS POSAS ROAD AND ENCINITAS ROAD, SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF RIPARIAN WOODLAND, DOMINATED BY WILLOWS AND CATTAILS; ASSOCIATED SPECIES INCLUDE MUGWORT AND GOOSEBERRY.						
General:	1 SINGING MALE HEARD ON 30 JULY 1997.						
Owner/Manager:	PVT						

Occurrence No.	216	Map Index:	51448	EO Index:	51448	Element Last Seen:	2004-07-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-07-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22176 / -117.32732				Accuracy:	non-specific area	
UTM:	Zone-11 N3675920 E469499				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 17, NW (S)				Acres:	48.0	
Location:	W END OF SAN RAMON DR, BETWEEN EL CAMINO REAL & RANCHO DEL ORO DR, JUST S OF SR-76, SAN LUIS REY, NE OF OCEANSIDE.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS. SITE NAME WAS OCEAN POINTE PROPERTY. LOCATION DESCRIBED AS BORDERED BY STATE ROUTE 76 TO THE NORTH, VISTA BELLA TO THE SOUTH, AND RESIDENTIAL DEVELOPMENT TO THE EAST AND WEST.						
Ecological:	HABITAT COMPRISED OF SOUTHERN RIPARIAN FOREST, MULE FAT SCRUB, COYOTE BRUSH SCRUB AND DISTURBED WETLAND. NON-NATIVE PLANTS INCLUDED POISON HEMLOCK, MUSTARD, AND CASTOR BEAN. MUCH OF THE SURROUNDING AREA IS DEVELOPED.						
General:	1 SINGING MALE HEARD/OBSERVED ON 4 & 11 AUG 2000. 4 SINGING MALES "HEARD CONSISTENTLY THROUGHOUT SURVEYS" CONDUCTED FROM 5 MAY-27 JUL 2004. NESTING/PAIRED STATUS UNKNOWN FOR MALES BUT SINGING MAY BE SIGNS OF TERRITORIALITY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	217	Map Index:	51464	EO Index:	51464	Element Last Seen:	2010-06-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-07-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13593 / -117.30653				Accuracy:	specific area	
UTM:	Zone-11 N3666398 E471408				Elevation (ft):	30	
PLSS:	T12S, R04W, Sec. 16, NW (S)				Acres:	36.0	
Location:	MACARIO CANYON, ABOUT 0.6 MILE SW OF EVANS POINT, SE OF AGUA HEDIONDA, CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS. RIPARIAN CORRIDOR RUNS SSE FROM INTERSECTION OF CANNON RD & FARADAY AVE, ADJACENT TO THE CROSSING AT CARLSBAD GOLF COURSE. ADDITIONAL SINGING MALE & 3 TRASIENTS WERE ALSO DETECTED IN 2000. 2013: SCOLDING.						
Ecological:	HABITAT CONSISTED OF SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST, DISTURBED DIEGAN COASTAL SAGE SCRUB, AND NON-NATIVE GRASSLAND. AREA BORDERED BY AGRICULTURAL LANDS, RESIDENTIAL HOMES, AND A GOLF COURSE. SITE ACTIVELY TRAPPED FOR COWBIRDS.						
General:	2 UNSUCCESSFUL NESTING PAIRS IN 1998. 2 YOUNG WERE FLEDGED IN 1999. 1 PAIR FLEDGED 2 YOUNG IN 2000. UNK # DETECTED IN 2007-08; NESTING STATUS UNDETERMINED. 1 PAIR & 3 SINGING MALES DETECTED IN 2009 AND IN 2010. 0 IN 2011. 1 MIGRANT IN 2013.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	220	Map Index:	51645	EO Index:	51645	Element Last Seen:	2010-06-18
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2013-07-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-03-26
Quad Summary:	San Luis Rey (3311723), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.24978 / -117.33375				Accuracy:	specific area	
UTM:	Zone-11 N3679028 E468910				Elevation (ft):	50	
PLSS:	T11S, R04W, Sec. 06, NE (S)				Acres:	20.0	
Location:	ALONG SOUTH PORTION OF WINDMILL LAKE, ABOUT 0.7 MILE WNW OF RIVER RD & DOUGLAS DR INTERSECTION, CAMP PENDLETON MCB.						
Detailed Location:	2007-2013 SITE NAME WAS "WINDMILL CREEK." MAJORITY OF DETECTIONS MADE BETWEEN MAY-AUG OF EACH YEAR. SITE ADJACENT TO SAN LUIS REY WASTEWATER PLANT. JUVENILE DATA SHARED WITH OCC #284, EXACT LOCATIONS UNKNOWN, BUT LIKELY WITH OBSERVED PAIRS.						
Ecological:	HABITAT CONSISTED OF RED/ARROYO WILLOW, BLUE ELDERBERRY, MEXICAN ELDERBERRY, CALIFORNIA SYCAMORE, BLACK MUSTARD, COYOTE BRUSH, MULE FAT, EUCALYPTUS, TAMARISK, AND FENNEL.						
General:	2 DETECTED 2002. 2 PAIRS IN 2007. 1 SINGLE ADULT IN 2008. 1 PAIR & 1 SINGLE ADULT IN 2009. 1 PAIR & 1 SINGLE ADULT IN 2010. 2 SINGLE ADULTS IN 2011. 2 SINGLE ADULTS IN 2012. 2 SINGLE ADULTS IN 2013.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	225	Map Index:	53426	EO Index:	53426	Element Last Seen:	2001-07-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-21
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20866 / -117.32707				Accuracy:	non-specific area	
UTM:	Zone-11 N3674467 E469517				Elevation (ft):	140	
PLSS:	T11S, R04W, Sec. 20, N (S)				Acres:	65.1	
Location:	ALONG GARRISON CREEK, FROM EL CAMINO REAL TO 0.7 MI EAST OF EL CAMINO REAL, SOUTH OF MESA DRIVE, EAST OCEANSIDE.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE (141.3 ACRES OF 465.3 ACRES): DIEGAN COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB (MATURE TREES, SALIX LASIOLEPIS, S. LAEVIGATA, MULE FAT SCRUB, FRESHWATER MARSH. RELATIVELY UNDISTURBED, BUT CHANNELIZED TO NE AND W.						
General:	4 TERRITORIES OBSERVED BETWEEN 13 APR AND 31 JUL 2000. 7 TERRITORIES OBSERVED IN SOUTHERN WILLOW SCRUB AND MULE FAT SCRUB BETWEEN 22 MAY AND 31 JUL 2001. SEVERAL NESTS WITH EGGS WERE IDENTIFIED ON THE SITE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	226	Map Index:	53427	EO Index:	53427	Element Last Seen:	2005-07-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-06-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-12
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19857 / -117.33179				Accuracy:	non-specific area	
UTM:	Zone-11 N3673350 E469074				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 19 (S)				Acres:	141.0	
Location:	ALONG LOMA ALTA CREEK, SOUTH SIDE OF OCEANSIDE BLVD, ABOUT 0.5 MILE EAST AND WEST OF EL CAMINO REAL, OCEANSIDE.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS AND COORDINATES. NO SPECIFIC LOCATION DATA PROVIDED FOR 1997 DETECTIONS; SURVEY SITE EXTENDED FROM ABOUT CROUCH ST TO RANCHO DEL ORO RD.						
Ecological:	HABITAT COMPOSED OF COAST LIVE OAK, BLACK WILLOW, CALIFORNIA SYCAMORE, CATTAILS, RED/ARROYO WILLOW, FREMONT COTTONWOOD, MEXICAN ELDERBERRY, SANDBAR WILLOW, BLACK MUSTARD, CASTOR BEAN, EUCALYPTUS, GIANT REED, TAMARISK, AND TREE TABACCO.						
General:	1 FAMILY GROUP (PAIR W/ JUV) & SINGLE MALE (M) IN 1993. 7 TERRITORIAL M IN 1997. 1 VIREO HEARD IN 1999. 3 TERRITORIES IN 2000. 1 PAIR IN 2001. 1 HEARD IN 2002. 1 NESTING PAIR IN 2004. AT LEAST 2 PAIRS & 3 SINGING M IN 2005. 1 ADULT IN 2008.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	227	Map Index:	53429	EO Index:	53429	Element Last Seen:	2001-07-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20252 / -117.30606				Accuracy:	non-specific area	
UTM:	Zone-11 N3673781 E471474				Elevation (ft):	160	
PLSS:	T11S, R04W, Sec. 21, S (S)				Acres:	44.8	
Location:	RANCHO DEL ORO DETENTION BASIN, JUST SOUTH OF OCEANSIDE BLVD AND JUST EAST OF RANCHO DEL ORO DR, EAST OCEANSIDE.						
Detailed Location:	VIREOS OBSERVED USING RIPARIAN HABITAT.						
Ecological:	HABITAT ON PROJECT SITE: BACCHARIS SCRUB, WILLOW WOODLAND, MULE FAT SCRUB, WILLOW SCRUB, FRESHWATER MARSH, NON-NATIVE GRASSLAND AND DISTURBED AREAS. AREA UPSTREAM RANCHO DEL ORO DR DENSELY VEGETATED W/MATURE WILLOWS; MULTI-LAYERED CANOPY.						
General:	3 TERRITORIES OBSERVED BETWEEN 13 APR AND 12 MAY 2000. 1 PAIR ASSUMED TO BE ON A TERRITORY DURING PROTOCOL SURVEYS OCCURRING 27 JUN - 30 JUL 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	231	Map Index:	54153	EO Index:	54153	Element Last Seen:	2005-04-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-04-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22518 / -117.26086				Accuracy:	non-specific area	
UTM:	Zone-11 N3676282 E475693				Elevation (ft):	300	
PLSS:	T11S, R04W, Sec. 13, NW (S)				Acres:	50.0	
Location:	ABOUT 0.3 MILE N OF OCEANSIDE BLVD AND MELROSE DR INTERSECTION, 1.7 MILES SSE OF GUAJOME LAKE, NW OF VISTA.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS. SITE REFERRED TO AS ARBOR CREEK PROJECT SITE. LOCATION DESCRIPTION WAS "JUST NORTH OF OCEANSIDE BLVD, EAST OF MELROSE DR, AND SOUTH OF THE GUJOME REGIONAL PARK." SITE ADJACENT TO VISTA SPORTS PARK (VSP).						
Ecological:	HABITAT COMPRISED OF ANNUAL GRASSLAND, COYOTE BRUSH SCRUB, SOUTHERN WILLOW SCRUB, MULEFAT SCRUB, RUDERAL, COASTAL SAGE SCRUB, HERBACIOUS WETLAND, & DISTURBED HERBACEOUS WETLAND COMMUNITIES. AERIAL PHOTOS (2008-2011) SHOW SOME GRADING (VSP).						
General:	2 PAIRS DETECTED BETWEEN 10 MAY-17 JUL 2001; 1 PAIR OBSERVED FEEDING 2 FLEDGLINGS, OTHER PAIR OBSERVED WITH 2 YOUNG OF YEAR. 4 PAIRS DETECTED BETWEEN 16 MAR-12 APR 2005.						
Owner/Manager:	PVT						



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Occurrence No.	232	Map Index:	54167	EO Index:	54167	Element Last Seen:	2013-03-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-03-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-03-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15706 / -117.28714				Accuracy:	non-specific area	
UTM:	Zone-11 N3668736 E473223				Elevation (ft):	70	
PLSS:	T12S, R04W, Sec. 03, S (S)				Acres:	39.0	
Location:	VICINITY OF COLLEGE BLVD AND CANNON RD INTERSECTION, ABOUT 0.9 MILE S OF CALAVERA LAKE, W OF CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS. AGRICULTURAL LANDS TO THE NORTH AND EAST OF SITE. DEVELOPED LAND TO THE SOUTH AND WEST. SITE IS GRADED FOR DEVELOPED FOR THE CARLSBAD HIGH SCHOOL. ECOLOGICAL RESERVE TO EAST MAY PROVIDE REFUGE.						
Ecological:	HABITAT WAS SYCAMORE, MULE FAT, ARROYO WILLOW, STRAPLEAF WILLOW, RED WILLOW, GOODDINGS WILLOW, CASTOR BEAN, BRISTLY OX-TONGUE, MEXICAN ELDERBERRY, COAST GOLDENBUSH, WILD RADISH, AND RIPGUT GRASS. MUCH OF SITE GRADED FOR DEV. IN 2013 AERIAL.						
General:	1 HEARD SINGING IN 2001; NOT HEARD ON SUBSEQUENT SURVEYS. 1 PAIR IN '07. 3 PAIRS & 1 SINGLE MALE DETECTED IN '08; 1 MALE BORN/BANDED FROM SAN LUIS REY RIVER IN '06, THIS PAIR HAD FLEDGLINGS. DET AT 5 LOCATIONS '07-09. 3 MALES HEARD IN 2013.						
Owner/Manager:	UNKNOWN						

Occurrence No.	236	Map Index:	54340	EO Index:	54340	Element Last Seen:	2013-07-11
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-07-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-18
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31079 / -117.29707				Accuracy:	non-specific area	
UTM:	Zone-11 N3685782 E472345				Elevation (ft):	260	
PLSS:	T10S, R04W, Sec. 16 (S)				Acres:	394.0	
Location:	PILGRIM CREEK, 0.9 MILE NE TO 1.3 MI SE JCT OF FALLBROOK RD/VANDEGRIFT BLVD AND AREA N OF THIS JCT, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAMES: PILGRIM CREEK - NORTH OF VANDEGRIFT AND DE LUZ HOMES. BREEDING AT DE LUZ HOMES SITE OCCURRED IN 2005 NOT 2006. 2009-2013 JUVENILES REPORTED, HOWEVER, EXACT NUMBERS AND LOCATIONS ARE UNKNOWN. EMPIDONAX TRAILLII IN VICINITY.						
Ecological:	HABITAT CONSISTED OF BLACK WILLOW, MULE FAT, RED/ARROYO WILLOW, COYOTE BRUSH, CALIFORNIA SYCAMORE, FREMONT COTTONWOOD, FENNEL, BLACK MUSTARD, ICE PLANT, POISON HEMLOCK, AND EUCALYPTUS. WESTERN ARM OF EO MAY BE DEVELOPED.						
General:	1995: 5 PAIRS (P) & 4 TERRITORIAL MALES. '99: 13P. 2005: MIN. OF 18 ADULTS & 3 JUVENILES. '06: MIN. OF 13 ADS & 1 JUV. '07: 5P & 4 SINGLE ADULTS (S). '08: 1P & 9S. '09: 3P & 10S. '10: 6P & 2S. '11: 4P & 4S. '12: 5P & 2S. '13: 7P & 3S.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	238	Map Index:	54415	EO Index:	54415	Element Last Seen:	2006-06-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-06-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-09-29
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32934 / -117.31789				Accuracy:	non-specific area	
UTM:	Zone-11 N3687844 E470414				Elevation (ft):	120	
PLSS:	T10S, R04W, Sec. 08, NE (S)				Acres:	52.0	
Location:	JUST EAST OF O'NEILL LAKE, CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:	HABITAT CONSISTED OF WILLOW RIPARIAN. DOMINANT EXOTIC SP. INCLUDED CASTOR BEAN, BLACK MUSTARD, GIANT REED, POISON HEMLOCK, TAMARISK SP., MILK THISTLE, COCKLEBUR, AND FENNEL. SURROUNDING LAND USE: MILITARY. DISTURBANCE/THREATS: MILITARY.						
General:	2 PAIRS AND 1 TERRITORIAL MALE OBSERVED BETWEEN 1 APR - 31 JUL 1995. 6 PAIRS DETECTED DURING VIREO SURVEYS CONDUCTED ON CAMP PENDLETON IN 1999; SITE VISITED 3-10 TIMES. APR-JUL 2005: 5 DETECTIONS. APR-JUN 2006: 2 TERRITORIES.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	282	Map Index:	56158	EO Index:	56174	Element Last Seen:	2005-06-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2012-07-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-19
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35041 / -117.36374				Accuracy:	non-specific area	
UTM:	Zone-11 N3690194 E466154				Elevation (ft):	440	
PLSS:	T09S, R05W, Sec. 36, W (S)				Acres:	40.0	
Location:	AREA JUST NORTH & SOUTHEAST OF THE INTERSECTION OF ROBLAR RD & BASILONE RD, EAST OF ALISO CANYON, CAMP PENDLETON MCB.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED COORDINATES. SITE NAME WAS "BASILONE ROAD AND ROBLAR INTERSECTION."						
Ecological:	HABITAT COMPOSED OF RED/ARROYO WILLOW, COYOTE BRUSH, BLACK MUSTARD, AND MILK THISTLE, POISON HEMLOCK. SURROUNDING LAND USE INCLUDED COASTAL SAGE SCRUB AND MILITARY. SOME COWBIRD TRAPPING ONSITE.						
General:	3 PAIRS & 1 SINGLE MALE DETECTED IN 1999. 2 TERRITORIAL MALES DETECTED BETWEEN MAY-JUN 2005. 1 TRANSIENT VIREO DETECTED BETWEEN APR-JUN 2006; NO NESTING BIRDS DETECTED. 0 IN 2007. 1 ADULT IN 2009. 1 TRANSIENT IN 2010. 1 TRANSIENT IN 2012.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	284	Map Index:	56186	EO Index:	56202	Element Last Seen:	2013-07-11
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-07-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-02
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27649 / -117.32845				Accuracy:	non-specific area	
UTM:	Zone-11 N3681987 E469413				Elevation (ft):	140	
PLSS:	T10S, R04W, Sec. 29 (S)				Acres:	305.0	
Location:	WITHIN WINDMILL CANYON AND AN UNNAMED CANYON TO THE WEST, EAST OF YSIDORA BASIN, FROM 0.1-2.6 MILES N OF WINDMILL LAKE.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED SURVEY SITES; "WINDMILL CANYON" & "BETWEEN YSIDORA BASIN AND WINDMILL CANYON." UP TO 10 JUVENILES PRESENT FROM 2008-2013; EXACT LOCATIONS UNKNOWN AND ARE SHARED WITH OCC #220. SITE QUALITY WAS POOR-EXCELLENT.						
Ecological:	HABITAT CONSISTED OF RED/ARROYO WILLOW, ELDERBERRY SPECIES, COYOTE BRUSH, & CATTAIL SPECIES. DOMINANT EXOTIC PLANTS INCLUDE POISON HEMLOCK, BLACK MUSTARD, MILK THISTLE, TAMARISK, EUCALYPTUS, FENNEL, OX-TONGUE, & COCKLEBUR.						
General:	1999: 13 PAIRS & 3 SINGLE ADULTS (SA). 2005: 12 TERRITORIES. 2006: 13 TERRITORIES. 2007: 7 PAIRS & 4 SA. 2008: 10 PAIRS & 5 SA. 2009: 9 PAIRS & 4 SA. 2010: 2 PAIRS & 7 SA. 2011: 3 PAIRS & 4 SA. 2012: 3 PAIRS & 2 SA. 2013: 3 PAIRS & 1 SA.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	285	Map Index:	56180	EO Index:	56196	Element Last Seen:	2008-06-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2009-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-19
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27713 / -117.35990				Accuracy:	non-specific area	
UTM:	Zone-11 N3682068 E466484				Elevation (ft):	80	
PLSS:	T10S, R05W, Sec. 25, SW (S)				Acres:	68.0	
Location:	PUEBLITOS CANYON, FROM 0.4-1 MILE UPSTREAM (EAST) OF VANDEGRIFT BLVD, CAMP PENDLETON MCB.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES AND MAP LOCATIONS. DETECTIONS MADE BETWEEN APR-JUN EACH YEAR. SITE NAME WAS "PUEBLITOS CANYON." EXACT LOCATION OF 2003 MALE UNKNOWN; LOCATION PROVIDED WAS "WOODLAND PATCH JUST N OF PROPOSED WETLAND AREA."						
Ecological:	HABITAT CONSISTED OF BLACK WILLOW, RED/ARROYO WILLOW, AND MULE FAT. DOMINANT EXOTIC PLANTS INCLUDE BLACK MUSTARD, MILK THISTLE, POISON HEMLOCK, AND FENNEL. SURROUNDING LAND: COASTAL SAGE SCRUB/MILITARY.						
General:	2 PAIRS DETECTED IN 1999. 1 SINGING MALE IN 2003. 10 ADULTS & 2 JUVENILES IN 2005. 5 ADULTS (3 TERRITORIES & 1 TRANSIENT) IN 2006. 2 SINGLE ADULTS IN 2007. 2 PAIRS & 1 JUVENILE IN 2008. 1 SINGLE ADULT IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	294	Map Index:	56213	EO Index:	56229	Element Last Seen:	2002-05-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-07-26
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11503 / -117.32293				Accuracy:	specific area	
UTM:	Zone-11 N3664086 E469872				Elevation (ft):	20	
PLSS:	T12S, R04W, Sec. 20, SW (S)				Acres:	8.1	
Location:	LOCATED BETWEEN I-5 AND CARLSBAD BLVD, 0.5 MILE SOUTH OF PALOMAR AIRPORT ROAD, 3.5 MILES SOUTH OF CARLSBAD.						
Detailed Location:	WEST OF THE ATCHISON TOPEKA AND SANTA FE RAILROAD.						
Ecological:	RIPARIAN. AREA IS DISTURBED AS A RESULT OF COMMUTER TRAIN TRAFFIC AND ROADS.						
General:	UNKNOWN NUMBER OBSERVED AND HEARD CALLING ON 4, 12 MAY 2002. DETECTEIONS OCCURRED DURING 2 OF 3 CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	303	Map Index:	70153	EO Index:	71024	Element Last Seen:	2013-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-28
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26604 / -117.28872				Accuracy:	specific area	
UTM:	Zone-11 N3680817 E473109				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 34, N (S)				Acres:	82.0	
Location:	TRIBUTARY TO SAN LUIS REY RIVER, 0.5 MILE EAST OF VANDEGRIFT BLVD AT GRANITE PL AND 1.4 MILES NNW OF GUAJOME LAKE.						
Detailed Location:	MAPPED ACCORDING TO LOCATION SHOWN ON MAP. MAPPED ALONG THE CENTRAL PORTION OF THE NORTH HALF OF SECTION 34. SITE NAME WAS "CONSERVATION EASEMENT (CE) #4" OF MORRO HILLS HABITAT CONSERVATION AREA MANAGED BY CNLM. SURVEYS BEGAN IN 2005.						
Ecological:	HABITAT CONSISTS OF SALIX GOODDINGII, S. LASIOLEPIS, S. EXIGUA, & BACCHARIS SALICIFOLIA. DOMINANT EXOTIC PLANT IS BRASSICA NIGRA. HABITAT HAS UNDERGONE ARUNDO DONAX REMOVAL, SOME RESTORATION IN PROGRESS. BHCO TRAPPING PRE-2008.						
General:	1998: 13 DETECTED. 2005: 13 PAIRS (PR) & 12 FLEDGLINGS. '06: 5 PR. '07: 5 PR & 10 CHICKS. '09: 4 AURAL DETECTIONS. '10: 6 PR & 9 SINGLE MALES (M). '11: 5 PR, 4 FLEDGLINGS & 4 M. '12: 6 PR, 6 FLEDGLINGS, & 1 SINGING M. '13: 7 CALLING M.						
Owner/Manager:	CNLM						



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Occurrence No.	308	Map Index:	70791	EO Index:	71703	Element Last Seen:	2007-08-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-09-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-26
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.21360 / -117.02758				Accuracy:	non-specific area	
UTM:	Zone-11 N3674967 E497429				Elevation (ft):	1300	
PLSS:	T11S, R01W, Sec. 18, SW (S)				Acres:	49.0	
Location:	MOOSA CREEK, 0.5 MILE EAST OF VALLEY CENTER ROAD, VALLEY CENTER.						
Detailed Location:	MAPPED TO PROVIDED SURVEY SITE ALONG "MOOSA CREEK." SITE IS A MITIGATION AREA FOR IMPACTS TO CREEK FROM CONSTRUCTION OF THE WOODS VALLEY RANCH GOLF COURSE AND HOUSING COMMUNITY; BARN OWL NEST WAS DESTROYED IN 2002.						
Ecological:	HABITAT CONSISTS OF REVEGETATED SOUTHERN WILLOW SCRUB DOMINATED BY ARROYO WILLOW, BLACK WILLOW, NARROW-LEAVED WILLOW, AND MULEFAT. IMMEDIATE/SURROUNDING LAND USE WERE GOLF COURSE AND RESIDENTIAL. YELLOW WARBLERS ALSO DETECTED ON SITE.						
General:	AT LEAST 2 TERRITORIAL MALE DETECTED BETWEEN 28 MAY-29 JUN 2007. 2 UNPAIRED TERRITORIAL MALES OBSERVED BETWEEN 13 JUNE AND 16 AUGUST 2007; 1 WAS BANDED AND ORIGINATED FROM THE SAN LUIS REY RIVER.						
Owner/Manager:	UNKNOWN						

Occurrence No.	476	Map Index:	90912	EO Index:	91954	Element Last Seen:	2010-06-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-28
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.12117 / -117.31120				Accuracy:	non-specific area	
UTM:	Zone-11 N3664764 E470968				Elevation (ft):	60	
PLSS:	T12S, R04W, Sec. 21, N (S)				Acres:	55.0	
Location:	ENCINAS CREEK, S SIDE OF PALOMAR AIRPORT RD BETWEEN AVIARA PKWY AND ARMADA DR, S OF CARSLBAD.						
Detailed Location:	SURVEYS CONDUCTED AT ENCINAS CREEK HABITAT CONSERVATION AREAS (HCA). THE CENTER FOR NATURAL LANDS MANAGEMENT HAS LONG TERM STEWARDSHIP OVER HCA. VIREOS DETECTED IN 2010 WERE NOT CONFIRMED TO HAVE NESTED. SITE SERVING AS MITIGATION SITE.						
Ecological:	HABITAT COMPOSED OF SOUTHERN WILLOW SCRUB WITH SMALL PATCHES OF COASTAL SAGE SCRUB ALONG ITS NORTHERN, WESTERN, AND SOUTHERN PERIMETERS. MANAGEMENT INCLUDED MAINTENANCE OF FENCES & GATES, HABITAT MAINTENANCE & RESTORATION, AND SURVEYING.						
General:	1 SINGING TERRITORIAL MALE HEARD APR 2008; VIREO AT LOCATION FOR AT LEAST A WEEK. 1 ADDITIONAL PAIR OBS IN 2008. 3 SINGLE MALES & 1 PAIR DET. IN 2009. 1 PAIR & 1 MIGRANT MALE DET. IN 2010. 1 MALE IN 2011. 0 IN 2012. 1 MIGRANT OBS IN 2013.						
Owner/Manager:	PVT						



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Occurrence No.	477	Map Index:	90913	EO Index:	91955	Element Last Seen:	2008-06-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2011-07-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07054 / -117.26311				Accuracy:	specific area	
UTM:	Zone-11 N3659138 E475440				Elevation (ft):	70	
PLSS:	T13S, R04W, Sec. 02, S (S)				Acres:	22.0	
Location:	ENCINITAS CREEK, JUST NW OF LEUCADIA BLVD & EL CAMINO REAL RD INTERSECTION, S OF CALLE BARCELONA RD, ENCINATAS.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS AND COORDINATES. 2011 LOCATION DESCRIPTION WAS "WEST OF THE CREEK CHANNEL JUST NORTH OF LEUCADIA BOULEVARD."						
Ecological:	DOMINANT PLANT SPECIES WERE BLACK WILLOW, FREMONT COTTONWOOD, MULE FAT, RED/ARROYO WILLOW, CALIFORNIA SYCAMORE, MEXICAN ELDERBERRY, BLACK MUSTARD, GIANT REED AND TAMARISK. SURROUNDING LAND USE WAS ROADWAYS, SHOPPING CENTERS, & UNDEVELOPED.						
General:	NONE DETECTED DURING 1997 SURVEYS. 1 PAIR DETECTED BETWEEN 19 MAY-19 JUN 2008. 1 LEAST BELL'S VIREO OBSERVED FORAGING TWICE BETWEEN 22 JUN-31 JUL 2011; NESTING STATUS NOT CONFIRMED.						
Owner/Manager:	CITY OF ENCINITAS						

Occurrence No.	478	Map Index:	90915	EO Index:	91957	Element Last Seen:	2012-06-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2012-06-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-30
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04049 / -117.14050				Accuracy:	non-specific area	
UTM:	Zone-11 N3655785 E486880				Elevation (ft):	140	
PLSS:	T13S, R03W, Sec. 13 (S)				Acres:	522.0	
Location:	ALONG SAN DIEGUITO RIVER FROM HODGES DAM WEST TO CALLE AMBIENTE RD, ON S SIDE OF DEL DIOS HWY, NE OF RANCHO SANTE FE.						
Detailed Location:	MAPPED TO PROVIDED COORDS & ABOUT 2 MI DOWNSTREAM OF HODGES DAM. 1933 SPECIMEN LOCATION WAS "HODGES DAM." BREEDING STATUS NOT DETERMINED FOR 2005 & 2012. PART OF CROSBY OPEN SPACE PRESERVE. 2011 MARKED 3RD CONSECUTIVE YEAR PRESENT.						
Ecological:	HABITAT DOMINATED BY WILLOW, MULEFAT, & FREMONT COTTONWOOD. SITE RECOVERING FROM 2007 WITCH CREEK FIRES & BEING ACTIVELY MANAGED FOR INVASIVE PLANT REMOVAL (PAMPAS GRASS, GIANT REED, AND TAMARISK). RIPARIAN ENHANCEMENT PROJECT SINCE 2009.						
General:	EGGS COLLECTED ON 10 JUN 1933 (WFVZ #6692). 0 IN 1992. 1 HEARD SINGING & OBS IN 2005. 1 MALE OBS IN 2011. 1 ADULT MALE OBS CALLING ON 16 JUN 2012; "DETECTED ON SEVERAL SUBSEQUENT OCCASIONS WITHIN THE SAME GENERAL AREA OVER MULTIPLE YEARS."						
Owner/Manager:	PVT-THE ENVIRONMENTAL TRUST						



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Occurrence No.	479	Map Index:	90916	EO Index:	91958	Element Last Seen:	2008-06-25
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-06-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03499 / -117.23546			Accuracy:	specific area		
UTM:	Zone-11 N3655190 E478012			Elevation (ft):	30		
PLSS:	T13S, R03W, Sec. 19, NW (S)			Acres:	17.0		
Location:	ALONG ESCONDIDO CREEK, NEAR S RANCHO SANTA FE RD BRIDGE, JUST NW OF EL MIRLO RD INTERSECTION, ENE OF CARDIFF.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITE NAME WAS "ESCONDIDO CREEK."						
Ecological:	HABITAT DOMINATED BY BLACK WILLOW, FREMONT COTTONWOOD, MULE FAT, AND RED/ARROYO WILLOW. DOMINANT EXOTICS INCLUDED COCKLEBUR, BLACK MUSTARD, GIANT REED, AND TAMARISK. WATER PRESENT. SURROUNDING LAND USE WAS COASTAL SAGE SCRUB AND MILITARY.						
General:	NONE DETECTED DURING 1997 SURVEYS. 1 PAIR AND 3 SINGLE ADULTS DETECTED BETWEEN 30 MAY-25 JUN 2008; DETECTIONS OVER THE COURSE OF TWO SURVEYS.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						

Occurrence No.	480	Map Index:	90917	EO Index:	91959	Element Last Seen:	1993-05-29
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1993-05-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-20
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04320 / -117.07470			Accuracy:	2/5 mile		
UTM:	Zone-11 N3656079 E493024			Elevation (ft):	340		
PLSS:	T13S, R02W, Sec. 15 (S)			Acres:	0.0		
Location:	UNNAMED DRAINAGE ABOUT 0.7 MILE N OF I-15 AT DUENDA RD, JUST S OF LAKE HODGES, & ABOUT 2 MILES NNW OF RANCHO BERNARDO.						
Detailed Location:	LOCATION DESCRIPTION WAS "DRAINAGE BELOW LAKE HODGES ON WEST SIDE OF I-15. APPROXIMATELY 0.5 MILE DOWNSTREAM OF LAKE. HOUSES ABUT THE DRAINAGE, WHICH SUPPORTS MATURE COTTONWOOD-WILLOW HABITAT. IN RANCHO BERNARDO RESIDENTIAL AREA."						
Ecological:	HABITAT COMPOSED OF WILLOW-COTTONWOOD RIPARIAN; MATURE AND DENSE. LAND USE WAS PROTECTED OPEN SPACE; RANCHO BERNARDO RESIDENTIAL COMMUNITY. CURRENTLY PROTECTED (1993).						
General:	2 ADULTS (POSSIBLE PAIR) AND 4 FLEDGLINGS OBSERVED ON 29 MAY 1993. A FEMALE WAS A COLOR BANDED AFTER HATCH YEAR ADULT, DISPERSED FROM THE SAN DIEGO RIVER, BANDED IN 1992 BY B.E. KUS.						
Owner/Manager:	CITY OF SAN DIEGO						



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Occurrence No.	481	Map Index:	04194	EO Index:	91960	Element Last Seen:	1930-05-28
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1930-05-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-26
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	640	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	MAPPED GENERALLY TO THE CITY OF ESCONDIDO POST OFFICE. COLLECTION LOCATIONS WERE "ESCONDIDO" AND "ESCONDIDO, CULP ORCHARD." 1925 NEST: BIRD HEARD NEAR NEST, INCUBATION WAS FRESH, NEST CONSTRUCTED OF WEED FIBRE & COBWEB AND LINED W/ FEATHER.						
Ecological:	1925 NEST SUSPENDED FROM WILLOW TWIG ABOUT 2 FT OFF GROUND AND IN DENSE WILLOW GROWTH SURROUNDED BY RANK GROWING WEEDS.						
General:	EGG COLLECTIONS ON 21 MAY 1900 (WFVZ #112361), 11 JUN 1902 (WFVZ #62508), 12 JUN 1905 (WFVZ #64998), & 21 JUN 1915 (WFVZ #73114); # OF EGGS UNK. 4 EGGS ON 3 MAY 1925 COLLECTED (MVZ #13416). 1 EGG COLLECTED ON 28 MAY 1930 (ROM #511418).						
Owner/Manager:	CITY OF ESCONDIDO						

Occurrence No.	486	Map Index:	60358	EO Index:	91998	Element Last Seen:	1903-04-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1903-04-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-25
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.13759 / -117.03809				Accuracy:	1 mile	
UTM:	Zone-11 N3666541 E496447				Elevation (ft):	700	
PLSS:	T12S, R02W, Sec. 13 (S)				Acres:	0.0	
Location:	ON E & NE BORDER OF THE CITY OF ESCONDIDO, ABOUT 2.8 MILES SW OF LAKE WOHLFORD DAM.						
Detailed Location:	COULD NOT LOCATE HISTORIC LOCALE OF ORANGE GLEN. MAPPED IN THE VICINITY OF ORANGE GLEN HS & ORANGE GLEN SCH WITH THE ASSUMPTIONS THAT THE COLLECTOR MEANT ORANGE GLEN & THE HISTORIC ORANGE GLEN WAS LOCATED IN THE SAME AREA AS THESE SCHOOLS.						
Ecological:							
General:	1 LEAST BELL'S VIREO EGG COLLECTED (ROM #511415) ON 6 APR 1903 BY J.B. DIXON. LOCATION OF COLLECTION WAS "ORANGE GLEN, SAN DIEGO COUNTY."						
Owner/Manager:	UNKNOWN						



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Occurrence No.	487	Map Index:	90952	EO Index:	92000	Element Last Seen:	1999-06-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-26
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.16530 / -117.08740				Accuracy:	1/5 mile	
UTM:	Zone-11 N3669616 E491850				Elevation (ft):	725	
PLSS:	T12S, R02W, Sec. 04, NE (S)				Acres:	0.0	
Location:	JUST NE OF RINCON AVE AND N. BROADWAY ST INTERSECTION, E OF I-15, W OF DIXON LAKE, N OF ESCONDIDO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. LOCATION ADJACENT TO REDIY CREEK GOLF COURSE.						
Ecological:	VEGETATION CHARACTERIZED BY MIXED NATIVE AND EXOTIC PLANTS. DOMINANT PLANT SPECIES WERE ARROYO WILLOW, GOODDING'S BLACK WILLOW, PERUVIAN PEPPER, AND GIANT REED. AVERAGE CANOPY HEIGHT WAS 30-35 FEET.						
General:	1 TERRITORIAL LEAST BELL'S VIREO WAS PRESENT BETWEEN 16 MAY-20 JUN 1999 DURING WILLOW FLYCATCHER SURVEYS.						
Owner/Manager:	CITY OF ESCONDIDO						

Occurrence No.	488	Map Index:	90958	EO Index:	92005	Element Last Seen:	2008-06-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-06-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-26
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14814 / -117.16080				Accuracy:	non-specific area	
UTM:	Zone-11 N3667722 E485003				Elevation (ft):	580	
PLSS:	T12S, R03W, Sec. 11, E (S)				Acres:	65.0	
Location:	ALONG SAN MARCOS CREEK EAST OF TWIN OAKS VALLEY RD, JUST NE OF INTERSECTION WITH HWY 78, SAN MARCOS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES, MAPS, AND LOCATION DESCRIPTIONS. LOCATIONS WERE "SAN MARCOS CREEK" AND "TWIN OAKS VALLEY CREEK." REPORTER STATED THAT "TWIN VALLEY OAKS CREEK IS THE NAME OF SAN MARCOS CREEK ON MAP."						
Ecological:	HABITAT WAS MIXTURE OF WILLOW-COTTONWOOD RIPARIAN AND MULEFAT SCRUB DOMINATED BY BLACK WILLOW, FREMONT COTTONWOOD, CALIFORNIA SYCAMORE, COYOTE BRUSH, RED/ARROYO WILLOW, BLACK MUSTARD, PALMS, AND EUCALYPTUS.						
General:	4 TERRITORIAL MALES DETECTED ON 18 JUL 1997. 1 PAIR AND 1 SINGLE MALE DETECTED BETWEEN14 APR-9 JUN 2006; 0 DETECTED BETWEEN 30 JUN-11 JUL. 2 PAIRS AND 3 SINGLE ADULTS DETECTED BETWEEN 16 MAY-24 JUN 2008.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	489	Map Index:	90966	EO Index:	92013	Element Last Seen:	2009-07-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-07-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-27
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14723 / -117.28250				Accuracy:	specific area	
UTM:	Zone-11 N3667644 E473653				Elevation (ft):	77	
PLSS:	T12S, R04W, Sec. 10, NE (S)				Acres:	52.0	
Location:	ALONG AGUA HEDIONDA CREEK, ABOUT 0.8 MILE E OF CANNON RD AND EL CAMINO REAL INTERSECTION, ENE OF EVANS POINT, CARLSBAD.						
Detailed Location:	MAPPED TO ENTIRETY OF SURVEY AREA WITHIN PROVIDED COORDINATES. LOCATION DESCRIPTION WAS "NORTHEAST SEGMENT OF THE CITY OF CARLSBAD, EAST OF EL CAMINO REAL, BOUND TO THE NORTH BY LITTLE ENCINAS CREEK AND THE SOUTH BY AGUA HEDIONDA CREEK."						
Ecological:	HABITAT WAS A MATURE & RELATIVELY EXPANSIVE CANOPY DOMINATED BY WESTERN SYCAMORE W/ INCLUSIONS OF MATURE EUCALYPTUS INCREASING DOWNSTREAM. ARROYO WILLOW WAS THE PRIMARY TREE SPECIES THAT MADE UP THE CENTRAL LAYER OF THE RIPARIAN WOODLAND.						
General:	2 PAIRED MALES WITH AT LEAST 2 FLEDGLINGS EACH AND 1 SINGLE MALE DETECTED ON 8 JUL 2009. THE 2 PAIRED MALES WERE DETECTED ALONG THE MAIN BODY OF THE AGUA HEDIONDA CREEK, THE SINGLE MALE WAS DETECTED ALONG THE UNNAMED TRIBUTARY.						
Owner/Manager:	PVT						

Occurrence No.	490	Map Index:	90968	EO Index:	92015	Element Last Seen:	2008-06-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-06-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-27
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14618 / -117.30559				Accuracy:	non-specific area	
UTM:	Zone-11 N3667535 E471499				Elevation (ft):	22	
PLSS:	T12S, R04W, Sec. 09 (S)				Acres:	114.0	
Location:	ALONG AGUA HEDIONDA CREEK, JUST W OF EL CAMINO REAL AND CANNON RD INTERSECTION, N OF EVANS POINT, CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES, MAP, AND LOCATION DESCRIPTION. GENERAL AREA SURVEYED WAS "FROM LAGUNA RIVIERA PARK TO EL CAMINO REAL."						
Ecological:	MAJOR VEGETATION COMMUNITIES WERE WILLOW RIPARIAN FOREST, SOUTHERN WILLOW SCRUB, MULE FAT SCRUB, AND FRESHWATER MARSH. DOMINANT PLANT SPECIES WERE BLACK WILLOW, ARROYO WILLOW, NARROW-LEAVED WILLOW, MULE FAT, AND FREMONT COTTONWOOD.						
General:	3 TERRITORIAL MALES DETECTED ON 10 MAY 1997; BIRD POSSIBLY NESTING. 2 LEAST BELLS' VIREOS DETECTED BETWEEN 9 MAY-5 AUG 2005; NESTING STATUS NOT CONFIRMED. 1 PAIR AND 2 SINGLE ADULTS DETECTED BETWEEN 15 MAY-26 JUN 2008.						
Owner/Manager:	DFG-AGUA HEDIONDA LAGOON ER						



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Occurrence No.	491	Map Index:	90971	EO Index:	92018	Element Last Seen:	2015-05-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-05-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-03-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18041 / -117.33558				Accuracy:	specific area	
UTM:	Zone-11 N3671338 E468715				Elevation (ft):	0	
PLSS:	T11S, R04W, Sec. 31, NE (S)				Acres:	10.0	
Location:	ALONG BUENA VISTA CREEK, JUST SE OF HIGHWAY 78 AT JEFFERSON ST, NE OF BUENA VISTA LAGOON, OCEANSIDE.						
Detailed Location:	MAPPED TO PROVIDED MAP LOCATIONS; PROVIDED COORDINATES AND TOWNSHIP/RANGE WERE NOT ACCURATE. FLAT TOPOGRAPHY FROM PREVIOUS GRADING.						
Ecological:	HABITAT COMPOSED OF SOUTHERN WILLOW SCRUB, FRESHWATER MARSH, SOUTHERN COASTAL SALTMARSH, MULEFAT SCRUB AND ORNAMENTALS. SURROUNDED BY DEVELOPMENT.						
General:	1 SINGLE MALE (WEST FEATURE) AND 1 PAIR WITH FLEDGLINGS (EAST FEATURE) DETECTED ON 19 MAY 2010. 1 SINGING MALE DETECTED ON 4 VISITS APR-MAY 2015 (WEST FEATURE).						
Owner/Manager:	UNKNOWN						

Occurrence No.	497	Map Index:	91278	EO Index:	92326	Element Last Seen:	2013-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2013-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-02
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.37113 / -117.29327				Accuracy:	specific area	
UTM:	Zone-11 N3692470 E472718				Elevation (ft):	433	
PLSS:	T09S, R04W, Sec. 27, NW (S)				Acres:	11.0	
Location:	NORTHERN DRAINAGE OF DEPOT LAKE, 2.4 MILES WSW OF FALLBROOK POST OFFICE, E OF SANTA MARGARITA RIVER, LAS FLORES.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS. SURVEY AREAS LOCATED WITHIN THE NAVAL WEAPONS STATION SEAL BEACH DETACHMENT FALLBROOK. "DEPOT LAKE" NOT LABELED ON TOPO MAPS OR IN GNIS. 2 TERRITORIES WERE LOST AS A RESULT OF FIRE IN 2002.						
Ecological:	DENSE WILLOW RIPARIAN HABITAT CONSISTING OF BLACK WILLOW, ARROYO WILLOW, SANDBAR WILLOW, FREMONT COTTONWOOD, MULE FAT, POISON OAK, & BLACKBERRY. COWBIRD TRAPPING AT CAMP PENDLETON IS BELIEVED TO HAVE REDUCED OVERALL PARASITISM IN AREA.						
General:	2 NESTING PAIRS DETECTED BETWEEN APR-JUN 2008; BOTH NESTS FAILED. ONE OF THE PAIRS RE-NESTED & FLEDGED 2 YOUNG, THIS SAME NEST WAS ALSO PARASITIZED. 1 PAIR OBS IN 2010. 1 TRANSIENT OBS IN 2011. 1 LONE MALE OBS IN 2012. 2 PAIRS OBS IN 2013.						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	498	Map Index:	91279	EO Index:	92329	Element Last Seen:	2013-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2013-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-02
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36612 / -117.29481				Accuracy:	non-specific area	
UTM:	Zone-11 N3691915 E472573				Elevation (ft):	400	
PLSS:	T09S, R04W, Sec. 27, W (S)				Acres:	18.0	
Location:	SOUTHERN EDGE OF DEPOT LAKE, 2.6 MILES WSW OF FALLBROOK POST OFFICE, E OF SANTA MARGARITA RIVER, LAS FLORES.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS. SURVEY AREAS LOCATED WITHIN THE NAVAL WEAPONS STATION SEAL BEACH DETACHMENT FALLBROOK. "DEPOT LAKE" NOT LABELED ON TOPO MAPS OR IN GNIS. TRANSIENT BIRDS ALSO OBSERVED IN THE VICINITY.						
Ecological:	DENSE WILLOW RIPARIAN HABITAT CONSISTING OF BLACK WILLOW, ARROYO WILLOW, SANDBAR WILLOW, FREMONT COTTONWOOD, MULE FAT, POISON OAK, & BLACKBERRY. COWBIRD TRAPPING AT CAMP PENDLETON IS BELIEVED TO HAVE REDUCED OVERALL PARASITISM IN AREA.						
General:	1 NESTING PAIR DETECTED BETWEEN 15 APR - 24 JUN 2008; PAIR FLEDGED 3 YOUNG. 2 PAIRS AND 5 FLEDGLINGS OBSERVED IN 2010. 1 PAIR AND 2 FLEDGLINGS OBSERVED IN 2011. 1 PAIR AND 2 FLEDGLINGS OBSERVED IN 2012. 1 PAIR OBSERVED IN 2013.						
Owner/Manager:	DOD-FALLBROOK NWS						

Occurrence No.	499	Map Index:	91280	EO Index:	92331	Element Last Seen:	2010-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36627 / -117.26174				Accuracy:	non-specific area	
UTM:	Zone-11 N3691923 E475650				Elevation (ft):	615	
PLSS:	T09S, R04W, Sec. 25, NW (S)				Acres:	23.0	
Location:	UPPER FALLBROOK CREEK, ABOUT 1 MILE SW OF FALLBROOK POST OFFICE, BETWEEN AMMUNITION RD AND ALTURAS ST.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS ALONG NEST SITE AND THE PAIR'S TERRITORY. SURVEY AREAS LOCATED WITHIN THE NAVAL WEAPONS STATION SEAL BEACH DETACHMENT FALLBROOK. SITE NAME WAS "FALLBROOK CREEK."						
Ecological:	DENSE WILLOW RIPARIAN HABITAT CONSISTING OF BLACK WILLOW, ARROYO WILLOW, SANDBAR WILLOW, FREMONT COTTONWOOD, MULE FAT, POISON OAK, & BLACKBERRY. COWBIRD TRAPPING AT CAMP PENDLETON IS BELIEVED TO HAVE REDUCED OVERALL PARASITISM IN AREA.						
General:	3 TERRITORIRES DETECTED IN 2000 & 2001 ALONG "UPPER FALLBROOK CREEK," EXACT LOCATION UNKNOWN. 1 NESTING PAIR FLEDGED 3 YOUNG BETWEEN APR-JUN 2008; NEST WAS PARASITIZED. 1 PAIR DETECTED IN 2010. 1 TRANSIENT BIRD DETECTED IN 2011.						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	500	Map Index:	91285	EO Index:	92336	Element Last Seen:	2013-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34629 / -117.25349				Accuracy:	specific area	
UTM:	Zone-11 N3689706 E476412				Elevation (ft):	605	
PLSS:	T09S, R04W, Sec. 36, S (S)				Acres:	13.0	
Location:	UNNAMED TRIBUTARY OF SAN LUIS REY RIVER, ABOUT 1.8 MILES WNW OF WINTERWARM, & 2.2 MILES SOUTH OF FALLBROOK POST OFFICE.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS ALONG NEST SITE & THE PAIRS' TERRITORY. SURVEY AREAS LOCATED WITHIN THE NAVAL WEAPONS STATION SEAL BEACH DETACHMENT FALLBROOK. THE TRIBUTARY PASSES THROUGH HELLERS BEND & IS ABOUT 2.3 AIR MILES UPSTREAM.						
Ecological:	DOMINANT PLANT COMMUNITIES WERE SOUTHERN WILLOW SCRUB, SOUTHERN COTTONWOOD WILLOW RIPARIAN FOREST, AND SOUTHER COAST LIVE OAK RIPARIAN FOREST. DETECTIONS MADE BETWEEN APR-JUL EACH YEAR.						
General:	1 PAIR FLEDGED 2 YOUNG IN 2002. 1 PAIR DETECTED IN 2003. 1 NEST/EGG COLLECTION (WVZ #184027) MADE IN JUN 2009. 1 PAIR W/ 3 FLEDGLINGS OBS IN 2010. 2 PAIRS OBS IN 2011. 1 PAIR & 1 BIRD OF UNK STATUS OBS IN 2012. 1 BREEDING PAIR OBS IN 2013.						
Owner/Manager:	DOD-FALLBROOK NWS						

Occurrence No.	501	Map Index:	91291	EO Index:	92345	Element Last Seen:	2002-06-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-22
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35253 / -117.27390				Accuracy:	specific area	
UTM:	Zone-11 N3690403 E474514				Elevation (ft):	555	
PLSS:	T09S, R04W, Sec. 35, NW (S)				Acres:	7.0	
Location:	TRIBUTARY TO FALLBROOK CREEK, 0.5 MILE SSW OF DE LUZ, 2.1 MILES SW OF FALLBROOK POST OFFICE, EAST OF AMMUNITION RD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES FOR NEST SITE AND THE PAIR'S ADDITIONAL LOCATIONS. TRIBUTARY IS IN UPPER FALLBROOK CREEK.						
Ecological:	NEST WAS BUILT IN CATTAIL.						
General:	TERRITORY "WAS USED WAS USED MORE OR LESS CONTINUOUSLY 1993 TO 1998 BUT NOT FROM 1999 TO 2001." 1 NESTING PAIR FLEDGED 1 YOUNG BETWEEN 18 APR-6 JUN 2002.						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	528	Map Index:	91691	EO Index:	92766	Element Last Seen:	2013-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2013-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-27
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35871 / -117.28935				Accuracy:	non-specific area	
UTM:	Zone-11 N3691092 E473079				Elevation (ft):	450	
PLSS:	T09S, R04W, Sec. 27, S (S)				Acres:	105.0	
Location:	ALONG FALLBROOK CREEK, NORTH SIDE OF AMMUNITION RD, 2.6 MILES SW OF FALLBROOK POST OFFICE, CAMP PENDLETON MCB.						
Detailed Location:	SURVEY SITE WITHIN NAVAL WEAPONS STATION SEAL BEACH DETACHMENT FALLBROOK. MAPPED TO PROVIDED COORDINATES (2002) AND MAP LOCATIONS (2010-2013). EASTERN FEATURE REPRESENTS PAIR W/ 2 FLEDGLINGS IN 2010, TRANSIENTS OBSERVED IN 2011-2012.						
Ecological:	SOUTHERN WILLOW SCRUB. WHITE-TAILED KITE, YELLOW-BREASTED CHAT, YELLOW WARBLER, CALIFORNIA GNATCATCHER, GRASSHOPPER SPARROW, NORTHERN HARRIER, AND CACTUS WREN ALSO DETECTED IN THE GENERAL AREA.						
General:	1 SINGING MALE (TRANSIENT) DETECTED IN 2002. 2 PAIRS, 5 FLEDGLINGS, & 2 TRANSIENTS DETECTED IN 2010. 2 PAIRS & 2 FLEDGLINGS DETECTED IN 2011. 2 PAIRS, 1 FLEDGLING, & 1 TRANSIENT DETECTED IN 2012. 2 PAIRS & 1 TRANSIENT DETECTED IN 2013.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	529	Map Index:	91708	EO Index:	92782	Element Last Seen:	2002-06-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-07-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-18
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36063 / -117.24494				Accuracy:	non-specific area	
UTM:	Zone-11 N3691295 E477211				Elevation (ft):	620	
PLSS:	T09S, R04W, Sec. 25, SE (S)				Acres:	76.0	
Location:	ALONG OSTRICH FARM CREEK, ABOUT 0.6 MI N OF STAGE COACH LN & S MISSION RD INTERSECTION, 1.2 MI SSE OF FALLBROOK PO.						
Detailed Location:	MAPPED TO PROVIDED LOCATION DESCRIPTION AND MAP. SITE LOCATION WAS "SW QUADRANT OF SECTION 30, TOWNSHIP 9 SOUTH, RANGE 3 WEST" AND "SE QUADRANT OF SECTION 25, TOWNSHIP 9 SOUTH, RANGE 4 WEST." LOS JILGUEROS PRESERVE ADJACENT TO THE SOUTH.						
Ecological:	HABITAT COMPOSED OF SOUTHERN WILLOW SCRUB AND FRESHWATER MARSH. OSTRICH FARM CREEK SERVES AS A TRIBUTARY TO THE SAN LUIS REY RIVER. 1-2 COWBIRDS DTECTED 17 APR & 14 MAY 2002.						
General:	BIRDS DETECTED ON 28 APR, 14 & 28 MAY (PAIR), AND 26 JUN 2002 DURING PROTOCOL SURVEYS. 1 ADDITIONAL BIRD OBSERVED AT THE LOS JILGUEROS PRESERVE 14 MAY. BIRDS DETECTED "ADJACENT TO OR IMMEDIATELY NORTH OF POND ADJACENT TO UNIT 4."						
Owner/Manager:	FALLBROOK LAND CONSERVANCY						



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Occurrence No.	530	Map Index:	91722	EO Index:	92801	Element Last Seen:	2005-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-03-03
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.28886 / -117.10043				Accuracy:	1/5 mile	
UTM:	Zone-11 N3683315 E490648				Elevation (ft):	640	
PLSS:	T10S, R02W, Sec. 21, SW (S)				Acres:	0.0	
Location:	LILAC RANCH, ALONG KEYS CREEK, ABOUT 0.6 MILE NW OF BERRY RD AND DUNCAN WAY INTERSECTION, SSW OF PALA.						
Detailed Location:	SURVEY SITE WAS BETWEEN "WEST LILAC RD TO JUST EAST OF LILAC RD" ALONG KEYS CREEK. VIREO WAS OBSERVED "IN ONE OF THE WIDEST PORTIONS OF KEYS CREEK SURVEYED." MAPPED GENERALLY TO PROVIDED LOCATION ON MAP.						
Ecological:	SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST, SOUTHERN ARROYO WILLOW RIPARIAN FOREST, SOUTHERN WILLOW SCRUB, AND COAST LIVE OAK RIPARIAN FOREST. YELLOW WARBLER, YELLOW-BREASTED CHAT, WHITE-TAILED KITE, AND COOPER'S HAWK ALSO OBSERVED.						
General:	A SINGING MALE VIREO WAS HEARD AND OBSERVED ON 15 & 28 JUN AND 8, 19, & 29 JUL 2005 DURING PROTOCOL SURVEYS. PRESENCE DURING THE LAST FIVE OF EIGHT SURVEY DATES SUGGESTED TERRITORIALITY.						
Owner/Manager:	PVT						

Occurrence No.	532	Map Index:	91836	EO Index:	92910	Element Last Seen:	1976-05-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1976-05-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-08
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35540 / -117.03580				Accuracy:	4/5 mile	
UTM:	Zone-11 N3690688 E496668				Elevation (ft):	530	
PLSS:	T09S, R02W, Sec. 36 (S)				Acres:	0.0	
Location:	ALONG SAN LUIS REY RIVER, ABOUT 2.5 MILES ESE OF PALA, NORTHERN END OF PALA MOUNTAIN.						
Detailed Location:	MAPPED GENERALLY TO PROVIDED LOCATION DESCRIPTION OF "WILDERNESS GARDENS COUNTY PARK ON THE SAN LUIS REY RIVER NEAR PALA." USED GNIS TO DETERMINE GENERAL LOCATION OF PARK. ADDITIONAL LOCATION DESCRIPTION WAS "PAUMA VALLEY."						
Ecological:	1994-2013 AERIAL IMAGERY SHOWS SOME AGRICULTURE (ORANGE GROVES?) ON NORTH SIDE OF RIVER.						
General:	1 TERRITORIAL MALE DETECTED ON 4 MAY 1976, REPORTED BY A. FRIES. P. UNITT CLASSIFIED THIS DETECTION AS POSSIBLY REPRESENTATIVE OF "SPORADIC BREEDING."						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	536	Map Index:	91895	EO Index:	92971	Element Last Seen:	2013-04-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05440 / -117.22369			Accuracy:	80 meters		
UTM:	Zone-11 N3657341 E479116			Elevation (ft):	60		
PLSS:	T13S, R03W, Sec. 07, SE (S)			Acres:	0.0		
Location:	ALONG ESCONDIDO CREEK, ABOUT 0.4 MI N OF EL CAMINO DEL NORTE BRIDGE, 1.8 MI NW OF SAN DIEGUITO DAM, NE OF OLIVENHAIN.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES RETRIEVED FROM GOOGLEEARTH. DETECTION WAS ON THE NORTHERN BANK OF CREEK OPPOSITE OF VIA DE CABALLO ST.						
Ecological:	SURROUNDING LAND USED INCLUDED EQUESTRIAN PARK, RESIDENTIAL, AND HORSE STABLES.						
General:	NONE DETECTED DURING 1997 SURVEYS. NESTING PAIR OBSERVED ON 30 APR 2013; PAIR WAS UNSUCCESSFUL, NEST WAS LIKELY DEPREDATED. PAIR WAS NOT SEEN OR HEARD AFTER 10 MAY.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	612	Map Index:	B2771	EO Index:	114704	Element Last Seen:	2017-04-26
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2017-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-03-28
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03493 / -117.02604			Accuracy:	non-specific area		
UTM:	Zone-11 N3655159 E497568			Elevation (ft):	477		
PLSS:	T13S, R01W, Sec. 19, NW (S)			Acres:	67.0		
Location:	ALONG SYCAMORE & THOMPSON CREEKS, FROM ABOUT 1.3-1.7 MI SE OF HIGHLAND VALLEY RD AT SYCAMORE CREEK RD.						
Detailed Location:	TRIBUTARIES SOUTH OF THE SAN DIEGUITO RIVER; NAMES PROVIDED BY SURVEYOR (NOT ON USGS MAPS).						
Ecological:	SOUTHEN WILLOW SCRUB WITH SOUTHERN OAK WOODLAND ON PERIPHERY. GOLF COURSE TO N & E, RESIDENCES TO W, UNDEVELOPED LAND TO S. RIPARIAN AREA UNDERGOING INVASIVE PLANT MANAGEMENT. MINOR DISTURBANCE FROM GOLF COURSE AND INVASIVE PLANTS.						
General:	5 ADULTS HEARD SINGING DURING GENERAL NEST SURVEY ON 26 APR 2017, PRESUMED NESTING.						
Owner/Manager:	PVT						



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Occurrence No.	619	Map Index:	B8852	EO Index:	123983	Element Last Seen:	2023-04-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2023-04-18		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2023-04-21		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08774 / -117.26927			Accuracy:	80 meters		
UTM:	Zone-11 N3661046 E474870			Elevation (ft):	15		
PLSS:	T12S, R04W, Sec. 35 (S)			Acres:	5.0		
Location:	VICINITY OF SAN MARCOS CREEK AT EL CAMINO REAL, EAST SIDE OF BATIQUITOS LAGOON, CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	NO INFORMATION PROVIDED.						
General:	1 MALE HEARD SINGING INCIDENTALLY DURING OTHER WILDLIFE WORK (BATS) ASSOCIATED WITH BRIDGE OVER SAN MARCOS CREEK ON 18 APR 2023.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER, UNK						

Setophaga petechia				Element Code: ABPBX03010			
yellow warbler							
Listing Status:	Federal:	None		CNDDB Element Ranks:	Global:	G5	
	State:	None			State:	S3	
	Other:	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern					
Habitat:	General:	RIPARIAN PLANT ASSOCIATIONS IN CLOSE PROXIMITY TO WATER. ALSO NESTS IN MONTANE SHRUBBERY IN OPEN CONIFER FORESTS IN CASCADES AND SIERRA NEVADA.					
	Micro:	FREQUENTLY FOUND NESTING AND FORAGING IN WILLOW SHRUBS AND THICKETS, AND IN OTHER RIPARIAN PLANTS INCLUDING COTTONWOODS, SYCAMORES, ASH, AND ALDERS.					

Occurrence No.	80	Map Index:	53290	EO Index:	53299	Element Last Seen:	2003-07-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25843 / -117.26574				Accuracy:	non-specific area	
UTM:	Zone-11 N3679968 E475247				Elevation (ft):	120	
PLSS:	T10S, R04W, Sec. 35 (S)				Acres:	112.0	
Location:	1.3 TO 2.1 MILES EAST OF VANDEGRIFT BLVD, BETWEEN NORTH RIVER ROAD AND MISSION AVE, OCEANSIDE.						
Detailed Location:	ALONG THE SAN LUIS REY RIVER EXTENDING SOUTH TO MISSION AVE AT THE EAST END OF FEATURE.						
Ecological:	HABITAT CONSISTS OF PATCHES OF COTTONWOOD AND EUCALYPTUS (UPPER CANOPY) AND WILLOWS, ARRUNDO DONAX AND MULEFAT (LOWER CANOPY). SURROUNDING LAND CONSISTS OF AGRICULTURE.						
General:	9 TERRITORIES OBSERVED BETWEEN 11 MAY AND 26 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. 3 ELANUS LEUCURUS OBSERVED IN VICINITY ON 1 SURVEY. BROWN-HEADED COWBIRDS OBSERVED DURING ALL SURVEYS.						
Owner/Manager:	PVT						



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Occurrence No.	81	Map Index:	53308	EO Index:	53308	Element Last Seen:	2003-07-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25296 / -117.29725			Accuracy:	non-specific area		
UTM:	Zone-11 N3679370 E472310			Elevation (ft):	100		
PLSS:	T11S, R04W, Sec. 04 (S)			Acres:	46.0		
Location:	ALONG NORTH RIVER ROAD JUST EAST OF VANDEGRIFT BLVD, OCEANSIDE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A LARGE FLOOD PLAIN IN THE SAN LUIS REY RIVER. VEGETATION IS COMPRISED OF ARROYO WILLOW, COTTONWOODS AND ARRUNDO DONAX. CURRENT/SURROUNDING LAND USE INCLUDES RESIDENTIAL/COMMERCIAL DEVELOPMENT.						
General:	3 TERRITORIES OBSERVED BETWEEN 13 MAY AND 27 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. BROWN-HEADED COWBIRDS DETECTED DURING 4 OF THE 9 VISITS.						
Owner/Manager:	PVT						

Occurrence No.	82	Map Index:	53322	EO Index:	53322	Element Last Seen:	2003-07-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17905 / -117.30431			Accuracy:	non-specific area		
UTM:	Zone-11 N3671178 E471629			Elevation (ft):	80		
PLSS:	T11S, R04W, Sec. 33, N (S)			Acres:	43.2		
Location:	SOUTH SIDE OF BUENA VISTA CREEK, 1-1.6 MILES EAST OF THE JUNCTION OF HWY 78 AND EL CAMINO REAL, CARLSBAD.						
Detailed Location:							
Ecological:	RIPARIAN AREA DOMINATED BY WILLOWS. EXOTICS IN AREA INCLUDE PAMPAS GRASS, PALM TREES AND ARRUNDO DONAX. BROWN-HEADED COWBIRDS DETECTED ON ALL 8 VISITS. DISTURBANCE INC HOMELESS CAMPS. SURR BY INDUSTRIAL, RESIDENTIAL, OPEN SPACE.						
General:	3 TERRITORIES OBSERVED BETWEEN 16 MAY AND 24 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. ELANUS LEUCURUS WITH 1 YOUNG IN VICINITY.						
Owner/Manager:	PVT						



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Occurrence No.	83	Map Index:	53325	EO Index:	53325	Element Last Seen:	2003-07-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-17
Quad Summary:	San Luis Rey (3311723), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.24890 / -117.26856				Accuracy:	non-specific area	
UTM:	Zone-11 N3678912 E474982				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 02, E (S)				Acres:	19.5	
Location:	OLD RIVER CLUB; EAST OF GUAJOME LAKE, JUST SOUTH OF HWY 76 & NORTH OF GUAJOME LAKE ROAD, OCEANSIDE.						
Detailed Location:							
Ecological:	MOSTLY DISTURBED RIPARIAN AREA MIXED W/NON-NATIVE PLANTS (TAMARIX RAMOSISSIMA, MYOPORUM LAETUM, PALM TREES, EUCALYPTUS SP.) & NATIVE PLANTS (SALIX LAEVIGATA, CAREX SP, SAMBUCAS MEXICANA). DEVELOPMENT TO E, RESIDENTIAL TO S & W, HWY 76 TO N.						
General:	2 TERRITORIES OBSERVED BETWEEN 15 MAY AND 24 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. LEAST BELL'S VIREO OBSERVED IN VICINITY. BROWN-HEADED COWBIRDS DETECTED ON ALL VISITS.						
Owner/Manager:	PVT						

Occurrence No.	84	Map Index:	53426	EO Index:	53425	Element Last Seen:	2001-07-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-21
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20866 / -117.32707				Accuracy:	non-specific area	
UTM:	Zone-11 N3674467 E469517				Elevation (ft):	140	
PLSS:	T11S, R04W, Sec. 20, N (S)				Acres:	65.1	
Location:	ALONG GARRISON CREEK, FROM EL CAMINO REAL TO 0.7 MI EAST OF EL CAMINO REAL, SOUTH OF MESA DRIVE, EAST OCEANSIDE.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE (141.3 ACRES OF 465.3 ACRES): DIEGAN COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB (MATURE TREES, SALIX LASIOLEPIS, S. LAEVIGATA, MULE FAT SCRUB, FRESHWATER MARSH. RELATIVELY UNDISTURBED, BUT CHANNELIZED TO NE AND W.						
General:	5 TERRITORIES OBSERVED BETWEEN 22 MAY AND 31 JUL 2001 DURING SURVEYS FOR LEAST BELL'S AND SOUTHWESTERN WILLOW FLYCATCHER.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	84	Map Index:	51445	EO Index:	51445	Element Last Seen:	1984-06-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-06-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-02
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18091 / -117.31993				Accuracy:	1/10 mile	
UTM:	Zone-11 N3671388 E470174				Elevation (ft):	40	
PLSS:	T11S, R04W, Sec. 32 (S)				Acres:	0.0	
Location:	ALONG BUENA VISTA CREEK, SOUTH OF STATE ROUTE 78 AND APPROXIMATELY 0.4 MILE EAST OF EL CAMINO REAL, EAST OF OCEANSIDE.						
Detailed Location:	OBSERVED PERCHED ON 5 FT SOWTHISTLE ALONGSIDE A TRAIL.						
Ecological:	CANOPY CONSISTS OF MATURE WILLOWS (40 FT). HIGH SHRUB LAYER CONSISTS OF MATURE WILLOW TRUNKS (15 IN) THAT HAVE RESPROUTED. RIPARIAN ZONE ~150 FT WIDE AND ~0.5 MILE LONG. ROLLING HILLS/GRASSLAND WITH MUCH ORV USE LOCATED TO THE SOUTH.						
General:	1 ADULT OBSERVED WITH A FLEDGLING ON 10 JUN 1984.						
Owner/Manager:	UNKNOWN						

Occurrence No.	85	Map Index:	51582	EO Index:	51582	Element Last Seen:	2000-07-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-07-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-18
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35902 / -117.09362				Accuracy:	non-specific area	
UTM:	Zone-11 N3691093 E491289				Elevation (ft):	350	
PLSS:	T09S, R02W, Sec. 28 (S)				Acres:	388.7	
Location:	SAN LUIS REY RIVER, WSW OF PALA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SOUTHERN COTTONWOOD-WILLOW RIPARIAN FOREST AND SOUTHERN WILLOW SCRUB. VEGETATION CONSISTS OF MATURE COTTONWOODS/ WILLOWS (NORTH, SOUTH UPLAND BANKS) TO SCATTERED YOUNG COTTONWOODS/ WILLOWS AND PATCHES OF WHITE ALDER.						
General:	SINGING MALES DETECTED DURING ALL SURVEYS FOR OTHER SPECIES BETWEEN 28 APR AND 21 JULY 2000. SITE HAS EXPERIENCED REDUCED WATER FLOW RESULTING FROM LOW RAINFALL AND LOWERING OF GROUND TABLE.						
Owner/Manager:	PVT						



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Occurrence No.	87	Map Index:	53283	EO Index:	53283	Element Last Seen:	2003-06-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-06-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-12
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25334 / -117.24761				Accuracy:	1/10 mile	
UTM:	Zone-11 N3679400 E476935				Elevation (ft):	140	
PLSS:	T11S, R04W, Sec. 01, NE (S)				Acres:	0.0	
Location:	JUST SOUTH OF MISSION AVE AND 0.9 MILE WEST OF VISTA WAY, NORTH OF THE CITY OF VISTA.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF RIPARIAN COMPRISED OF BACCHARIS SALICIFOLIA, SALIX LASIOLEPIS, SALIX LAEVIGATA, TOXICODENDRON DIVERSILOBUM AND QUERCUS AGRIFOLIA. SURROUNDING LAND IS RESIDENTIAL. VISUAL DISTURBANCES: HUMAN MADE TRAILS.						
General:	1 BIRD NESTING ON 12 JUN 2003.						
Owner/Manager:	PVT						

Occurrence No.	88	Map Index:	53290	EO Index:	53290	Element Last Seen:	2003-07-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25843 / -117.26574				Accuracy:	non-specific area	
UTM:	Zone-11 N3679968 E475247				Elevation (ft):	120	
PLSS:	T10S, R04W, Sec. 35 (S)				Acres:	112.0	
Location:	1.3 TO 2.1 MILES EAST OF VANDEGRIFT BLVD, BETWEEN NORTH RIVER ROAD AND MISSION AVE, OCEANSIDE.						
Detailed Location:	ALONG THE SAN LUIS REY RIVER EXTENDING SOUTH TO MISSION AVE AT THE EAST END OF FEATURE.						
Ecological:	HABITAT CONSISTS OF PATCHES OF COTTONWOOD AND EUCALYPTUS (UPPER CANOPY) AND WILLOWS, ARRUNDO DONAX AND MULEFAT (LOWER CANOPY). SURROUNDING LAND CONSISTS OF AGRICULTURE.						
General:	8 TERRITORIES OBSERVED BETWEEN 11 MAY AND 26 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. 3 ELANUS LEUCURUS OBSERVED IN VICINITY ON 1 SURVEY.						
Owner/Manager:	PVT						



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Occurrence No.	89	Map Index:	53308	EO Index:	53310	Element Last Seen:	2003-07-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25296 / -117.29725				Accuracy:	non-specific area	
UTM:	Zone-11 N3679370 E472310				Elevation (ft):	100	
PLSS:	T11S, R04W, Sec. 04 (S)				Acres:	46.0	
Location:	ALONG NORTH RIVER ROAD JUST EAST OF VANDEGRIFT BLVD, OCEANSIDE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A LARGE FLOOD PLAIN IN THE SAN LUIS REY RIVER. VEGETATION IS COMPRISED OF ARROYO WILLOW, COTTONWOODS AND ARRUNDO DONAX.						
General:	5 TERRITORIES OBSERVED BETWEEN 13 MAY AND 27 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	90	Map Index:	53324	EO Index:	53324	Element Last Seen:	2003-07-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17835 / -117.30816				Accuracy:	specific area	
UTM:	Zone-11 N3671102 E471270				Elevation (ft):	70	
PLSS:	T11S, R04W, Sec. 33, N (S)				Acres:	9.3	
Location:	SOUTH SIDE OF BUENA VISTA CREEK, 1.1 MILES EAST OF THE JUNCTION OF HWY 78 AND EL CAMINO REAL, CARLSBAD.						
Detailed Location:							
Ecological:	RIPARIAN AREA DOMINATED BY WILLOWS. EXOTICS IN AREA INCLUDE PAMPAS GRASS, PALM TREES & ARRUNDO DONAX. BROWN-HEADED COWBIRDS DETECTED ON ALL 8 VISITS. SURROUNDED BY INDUSTRIAL, RESIDENTIAL, & OPEN SPACE.						
General:	2 TERRITORIES OBSERVED BETWEEN 16 MAY AND 24 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. ELANUS LEUCURUS WITH 1 YOUNG IN VICINITY.						
Owner/Manager:	PVT						



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Occurrence No.	91	Map Index:	53335	EO Index:	53335	Element Last Seen:	2003-07-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-17
Quad Summary:	San Luis Rey (3311723), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.24846 / -117.26694				Accuracy:	non-specific area	
UTM:	Zone-11 N3678864 E475133				Elevation (ft):	120	
PLSS:	T11S, R04W, Sec. 02, E (S)				Acres:	17.0	
Location:	OLD RIVER CLUB; EAST OF GUAJOME LAKE, JUST SOUTH OF HWY 76 & NORTH OF GUAJOME LAKE ROAD, OCEANSIDE.						
Detailed Location:							
Ecological:	MOSTLY DISTURBED RIPARIAN AREA MIXED W/NON-NATIVE PLANTS (TAMARIX RAMOSISSIMA, MYOPORUM LAETUM, PALM TREES, EUCALYPTUS SP.) & NATIVE PLANTS (SALIX LAEVIGATA, CAREX SP, SAMBUCAS MEXICANA). DEVELOPMENT TO E, RESIDENTIAL TO S & W, HWY 76 TO N.						
General:	2 TERRITORIES OBSERVED BETWEEN 15 MAY AND 24 JUL 2003 DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS. LEAST BELL'S VIREO OBSERVED IN VICINITY. BROWN-HEADED COWBIRDS DETECTED ON ALL VISITS.						
Owner/Manager:	PVT						

Occurrence No.	92	Map Index:	53426	EO Index:	53424	Element Last Seen:	2001-07-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-21
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20866 / -117.32707				Accuracy:	non-specific area	
UTM:	Zone-11 N3674467 E469517				Elevation (ft):	140	
PLSS:	T11S, R04W, Sec. 20, N (S)				Acres:	65.1	
Location:	ALONG GARRISON CREEK, FROM EL CAMINO REAL TO 0.7 MI EAST OF EL CAMINO REAL, SOUTH OF MESA DRIVE, EAST OCEANSIDE.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE (141.3 ACRES OF 465.3 ACRES): DIEGAN COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB (MATURE TREES, SALIX LASIOLEPIS, S. LAEVIGATA, MULE FAT SCRUB, FRESHWATER MARSH. RELATIVELY UNDISTURBED, BUT CHANNELIZED TO NE AND W.						
General:	8 TERRITORIES OBSERVED BETWEEN 22 MAY AND 31 JUL 2001 DURING SURVEYS FOR LEAST BELL'S AND SOUTHWESTERN WILLOW FLYCATCHER.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	93	Map Index:	53479	EO Index:	53482	Element Last Seen:	2001-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-12-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31814 / -117.15408				Accuracy:	non-specific area	
UTM:	Zone-11 N3686567 E485657				Elevation (ft):	260	
PLSS:	T10S, R03W, Sec. 12 (S)				Acres:	60.6	
Location:	ALONG EAST SIDE OF I-15, SOUTH OF THE SAN LUIS REY RIVER AND NW OF KEYS CANYON, SOUTH OF PALA MESA.						
Detailed Location:							
Ecological:	VEGETATION INCLUDES SALIX LASIOLEPIS, BACCHARIS SALICIFOLIA, POPULUS FREEMONTII, SALIX LAEVIGATA. OTHER WILLOWS INC SALIX LASIANDRA, SALIX GOODDINGII, SALIX HINDSIANA. QUERCUS AGRIFOLIA, SAMBUCUS MEXICANA & CALIFORNIA BUCKWHEAT TO S.						
General:	SEVERAL TERRITORIES DETECTED DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS CONDUCTED 7 MAY-29 JULY 2001. MOLOTHRUS ATER OBSERVED DURING MOST SURVEYS. SMALL GROUP OF AGELAIUS TRICOLOR, 2 STERNA ANTILLARUM ON SITE JUN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	107	Map Index:	99323	EO Index:	100878	Element Last Seen:	2015-04-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06058 / -117.18022				Accuracy:	80 meters	
UTM:	Zone-11 N3658018 E483175				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 10, NW (S)				Acres:	0.0	
Location:	ESCONDIDO CREEK, 0.2 MI NE OF VIA RAVELLO AT VIA VARESE, 1.3 MI SW OF QUESTHAVEN RD AT ELFIN FOREST RD, RANCHO SANTA FE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	RIPARIAN ALONG ESCONDIDO CREEK, SURROUNDED BY OPEN SPACE & RESIDENTIAL. OWNED/MANAGED BY SAN DIEGO HABITAT CONSERVANCY.						
General:	1 ADULT HEARD SINGING, THEN SEEN ON 27 APR 2015. POSSIBLE BREEDING, MORE FIELDWORK NEEDED TO CONFIRM USE OF SITE.						
Owner/Manager:	PVT						



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Occurrence No.	4	Map Index:	25987	EO Index:	26385	Element Last Seen:	1992-07-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1992-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-08-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15878 / -117.19705				Accuracy:	non-specific area	
UTM:	Zone-11 N3668906 E481625				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 04 (S)				Acres:	60.6	
Location:	NORTH OF THE INTERSECTION OF MISSION ROAD AND RANCHO SANTA FE ROAD, SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGAE SCRUB AND NON-NATIVE GRASSLAND. OTHER RARE TAXA PRESENT INCLUDE CAMPYLORHYNCHOS BRUNNEICAPILLUS COUESI, POLIOPTILA CALIFORNICA, AND LEPUS CALIFORNICUS BENNETTII.						
General:	SUROUNDING LAND USE IS RESIDENTIAL, COMMERCIAL, AND NATURAL. UNKNOWN NUMBER OF BIRDS OBSERVED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	5	Map Index:	25988	EO Index:	13426	Element Last Seen:	1993-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-09-26
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.20617 / -117.37765				Accuracy:	non-specific area	
UTM:	Zone-11 N3674206 E464803				Elevation (ft):	100	
PLSS:	T11S, R05W, Sec. 23 (S)				Acres:	85.0	
Location:	VICINITY OF LAWRENCE CANYON, ADJACENT TO I-5 AND SOUTHEAST OF THE SAN LUIS REY RIVER, OCEANSIDE.						
Detailed Location:	SITE IS SURROUNDED BY URBAN AND RESIDENTIAL DEVELOPMENT, EXCEPT TO THE NORTH, WHERE IT IS BORDERED BY BOTH RIVERSIDE DRIVE AND THE SAN LUIS REY RIVER.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, AND VERNAL POOLS. OTHER RARE TAXA INCLUDE POLIOPTILA CALIFORNICA, CROTALUS RUBER RUBER, DENDROICA PETECHIA, ICTERIA VIRENS, ACCIPITER COOPERI, AND VIREO BELLII PUSILLUS.						
General:	UNKNOWN NUMBER OBSERVED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	8	Map Index:	33803	EO Index:	5095	Element Last Seen:	2000-04-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2000-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-25
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26240 / -117.32067				Accuracy:	non-specific area	
UTM:	Zone-11 N3680423 E470133				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 32 (S)				Acres:	428.0	
Location:	ALONG RIDGE RUNNING NE FROM WINDMILL LAKE, ALONG THE BOUNDARY OF CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	AREA INCLUDES PART OF WHELAN PRESERVE.						
Ecological:	HABITAT IS MAINLY COASTAL SAGE SCRUB, ALONG WITH NON-NATIVE GRASSLAND AND SOUTHERN WILLOW SCRUB. OTHER RARE TAXA FOUND INCLUDE VIREO BELLII PUSILLUS, POLIOPTILA CALIFORNICA, ICTERIA VIRENS, AND ASPIDOSCELIS HYPERYTHRUS.						
General:	UNKNOWN NUMBER OBSERVED DURING THE SPRING OF 1993. 2 OBSERVED BETWEEN 22 MAR AND 8 MAY 2000.						
Owner/Manager:	DOD, CENTER FOR NAT LANDS MGMT						
Occurrence No.	9	Map Index:	33154	EO Index:	21452	Element Last Seen:	1995-03-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-03-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-05-12
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04831 / -117.00663				Accuracy:	80 meters	
UTM:	Zone-11 N3656642 E499381				Elevation (ft):	1320	
PLSS:	T13S, R01W, Sec. 17, NW (S)				Acres:	0.0	
Location:	1 MILE WSW OF STARVATION MOUNTAIN, ABOUT 1.5 MILES SOUTH OF HIGHLAND VALLEY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A ROCKY AREA WITHIN COASTAL SAGE SCRUB; DOMINANT PLANTS INCLUDE ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA. SITE WAS BURNED IN 1993, POSSIBLY DEPRESSING POPULATION.						
General:	1 ADULT OBSERVED MOVING ABOUT IN THE ROCKY AREA ON 27 MARCH 1995.						
Owner/Manager:	PVT						



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Occurrence No.	10	Map Index:	33285	EO Index:	1626	Element Last Seen:	1995-04-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-08-29
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05138 / -117.01528				Accuracy:	80 meters	
UTM:	Zone-11 N3656983 E498573				Elevation (ft):	900	
PLSS:	T13S, R01W, Sec. 18, NE (S)				Acres:	0.0	
Location:	EAST OF OLD COACH ROAD, 1 MILE SOUTH OF HIGHLAND VALLEY ROAD, 3 MILES NE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA; NARROW STRIP OF RIPARIAN VEGETATION ADJACENT.						
General:	ON 21 APRIL 1995, 1 ADULT WAS OBSERVED SINGING FROM A ROCK OUTCROP.						
Owner/Manager:	PVT						

Occurrence No.	16	Map Index:	39215	EO Index:	34218	Element Last Seen:	1998-04-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00201 / -117.01333				Accuracy:	1/5 mile	
UTM:	Zone-11 N3651510 E498754				Elevation (ft):	1100	
PLSS:	T13S, R01W, Sec. 32, NW (S)				Acres:	0.0	
Location:	EAST OF TRAILWIND ROAD, SSW OF LAKE POWAY, EAST OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF OPEN DIEGAN COASTAL SAGE SCRUB, DOMINATED BY MALSOMA LAURINA, ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND OTHERS. DEVELOPED AREA ADJOINS THIS SITE.						
General:	1 ADULT OBSERVED ON 17 APR 1998.						
Owner/Manager:	PVT						

Occurrence No.	17	Map Index:	40090	EO Index:	35092	Element Last Seen:	1998-07-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-07-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-05
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.16505 / -117.10902				Accuracy:	1/10 mile	
UTM:	Zone-11 N3669590 E489835				Elevation (ft):	900	
PLSS:	T12S, R02W, Sec. 05, NE (S)				Acres:	0.0	
Location:	AT THE SOUTH END OF THE MERRIAM MOUNTAINS, 0.2 MILE WEST OF HWY 395, NW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF OPEN, CHAMISE-DOMINATED, MIXED CHAPARRAL, WITH DIEGAN COASTAL SAGE SCRUB AND COASTAL SAGE/CHAPARRAL SCRUB.						
General:	1 ADULT OBSERVED ON 3 JUL 1998.						
Owner/Manager:	PVT						



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Occurrence No.	19	Map Index:	25614	EO Index:	35094	Element Last Seen:	1992-05-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1992-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.21979 / -117.15280				Accuracy:	non-specific area	
UTM:	Zone-11 N3675663 E485761				Elevation (ft):	1000	
PLSS:	T11S, R03W, Sec. 13 (S)				Acres:	358.4	
Location:	WEST SIDE OF I-15, 5 MILES NORTH OF SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT IS SOUTHERN MIXED CHAPARRAL, COASTAL SAGE SCRUB, & SOUTHERN OAK RIPARIAN WOODLAND. OTHER RARE TAXA: SCELOPORUS ORCUTTI, CNEMIDOPHORUS HYPERYTHRUS BELDINGI, AMPHISPIZA BELLI BELLI, & COMAROSTAPHYLIS DIVERSILOBA SSP. DIVERSILOBA.						
General:	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN MAY 1992.						
Owner/Manager:	UNKNOWN						

Occurrence No.	24	Map Index:	30817	EO Index:	35101	Element Last Seen:	1994-04-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1994-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-05
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06456 / -117.01977				Accuracy:	80 meters	
UTM:	Zone-11 N3658444 E498154				Elevation (ft):	750	
PLSS:	T13S, R01W, Sec. 07, NE (S)				Acres:	0.0	
Location:	JUST NORTH OF HIGHLAND VALLEY ROAD, AT ITS CREST, JUST BEFORE IT DROPS DOWN INTO HIGHLAND VALLEY, NW OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND MALOSMA LAURINA. COAST HORNED LIZARD ALSO PRESENT AT THIS SITE.						
General:	1 ADULT OBSERVED ON 20 APRIL 1994.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	25	Map Index:	31982	EO Index:	35103	Element Last Seen:	1995-05-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-05-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03933 / -117.16864			Accuracy:	specific area		
UTM:	Zone-11 N3655659 E484253			Elevation (ft):	500		
PLSS:	T13S, R03W, Sec. 14, SW (S)			Acres:	7.2		
Location:	NORTH OF DEL DIOS HWY, JUST WEST OF SECOND SAN DIEGO AQUEDUCT, NE OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF CHAPARRAL AND SAGE/CHAPARRAL SCRUB, DOMINATED BY MALOSMA LAURINA, CEANOTHUS TOMENTOSUS, SALVIA MELLIFERA, AND ADENOSTOMA FASCICULATUM. OTHER RARE PLANT AND ANIMAL TAXA ALSO PRESENT.						
General:	1 ADULT OBSERVED ON 31 MAY 1995.						
Owner/Manager:	PVT						

Occurrence No.	26	Map Index:	33530	EO Index:	35112	Element Last Seen:	1996-04-03
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1996-04-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-09
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.23987 / -117.20993			Accuracy:	specific area		
UTM:	Zone-11 N3677899 E480442			Elevation (ft):	800		
PLSS:	T11S, R03W, Sec. 08, NE (S)			Acres:	9.0		
Location:	WEST SLOPE OF THE SAN MARCOS MOUNTAINS, NE OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DISTURBED SAGE/CHAPARRAL SCRUB (ECOTONE), DOMINATED BY MALOSMA LAURINA, SALVIA MELLIFERA, CEANOTHUS TOMENTOSUS, AND ADENOSTOMA FASCICULATUM. CNEMIDOPHORUS HYPERYTHRUS BELDINGI ALSO OCCURS AT THIS SITE.						
General:	1 ADULT OBSERVED ON 3 APRIL 1996.						
Owner/Manager:	PVT						



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Occurrence No.	27	Map Index:	33531	EO Index:	35117	Element Last Seen:	2000-02-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-02-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-19
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.32037 / -117.15198			Accuracy:	non-specific area		
UTM:	Zone-11 N3686815 E485853			Elevation (ft):	300		
PLSS:	T10S, R03W, Sec. 12 (S)			Acres:	346.7		
Location:	NORTH AND SOUTH OF THE SAN LUIS REY RIVER, SOUTH OF PALA ROAD AND EAST OF I-15, SE PALA MESA.						
Detailed Location:	1996: SITE (TO BE USED FOR A CELLULAR PHONE RELAY ANTENNA) IS LOCATED IN A PATCH OF COASTAL SAGE SCRUB SURROUNDED BY A CITRUS/AVOCADO GROVE. 2000: ENTIRE PROJECT SITE (EXCLUDES HILL TO NORTH) AND ADJACENT OFF-SITE SLOPE.						
Ecological:	NORTHERN HILL: DIEGAN COASTAL SAGE SCRUB, DOM BY ENCELIA CALIFORNICA, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND MALOSMA LAURINA. SOUTHERN PORTION AND ADJACENT OFF-SITE SLOPE: DIEGAN SAGE SCRUB, CHAMISE CHAPARRAL, MULE FAT SCRUB.						
General:	1 ADULT OBSERVED ON 2 JULY 1996. UNKNOWN NUMBER OBSERVED DURING FOCUSED CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BETWEEN 2 NOV 1999 AND 29 FEB 2000. OSPREY, SHARP-SHINNED HAWK OBSERVED FLYING OVER SITE.						
Owner/Manager:	PVT						

Occurrence No.	28	Map Index:	37909	EO Index:	35118	Element Last Seen:	1996-02-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1996-02-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-19
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36585 / -117.16741			Accuracy:	non-specific area		
UTM:	Zone-11 N3691858 E484425			Elevation (ft):	400		
PLSS:	T09S, R03W, Sec. 26 (S)			Acres:	32.9		
Location:	WEST OF I-395, ALONG THE PALA MESA GOLF CLUB, 5 MILES ESE OF FALLBROOK.						
Detailed Location:	LOCATED ON A SOUTH-FACING SLOPE ABOVE THE GOLF COURSE.						
Ecological:	HABITAT CONSISTS OF SAGE/SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, AND VARIOUS NATIVE AND WEEDY FORBS.						
General:	2 ADULTS (PAIR) OBSERVED ON 2 FEB 1996. ~40% OF SITE IS PLANNED TO REMAIN AS OPEN SPACE.						
Owner/Manager:	PVT						



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Occurrence No.	29	Map Index:	40117	EO Index:	35119	Element Last Seen:	1995-10-10
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1995-10-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-09
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32839 / -117.31285				Accuracy:	80 meters	
UTM:	Zone-11 N3687736 E470883				Elevation (ft):	300	
PLSS:	T10S, R04W, Sec. 09, NW (S)				Acres:	0.0	
Location:	CAMP PENDLETON MARINE CORPS BASE, ADJACENT TO SOUTHERN BOUNDARY OF FALLBROOK NAVAL WEAPONS STATION.						
Detailed Location:	INDIVIDUAL OBSERVED FORAGING IN GRASSES IN COASTAL SAGE SCRUB GAPS.						
Ecological:	HIGH QUALITY COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ISOCOMA MENZIESII, SALVIA APIANA, & MALOSMA LAURINA. HOUSES ON THE SOUTH, OPEN ON THE NORTH, EAST & WEST. EDGES DISKED FOR FIRE BREAKS.						
General:	1 INDIVIDUAL OBSERVED ON 10 OCT 1995.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	65	Map Index:	50999	EO Index:	50999	Element Last Seen:	2001-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04716 / -117.14802				Accuracy:	specific area	
UTM:	Zone-11 N3656525 E486180				Elevation (ft):	700	
PLSS:	T13S, R03W, Sec. 13, NW (S)				Acres:	37.1	
Location:	0.9 TO 1.3 MILES WEST OF LAKE HODGES SPILLWAY AND 0.2 TO 0.4 MILE NORTH OF SAN DIEGUITO RIVER, NW OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, SOUTHERN MIXED CHAPARRAL AND DISTURBED VEGETATION. NATIVE SHRUBS IN COASTAL SAGE SCRUB OFTEN MIXED WITH NON-NATIVE GRASS, INVASIVE EXOTIC WEEDS.						
General:	UNKNOWN NUMBER OBSERVED (4 LOCATIONS) BETWEEN 11 JUL AND 2 AUG 2001 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						



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Occurrence No.	66	Map Index:	51011	EO Index:	51011	Element Last Seen:	1991-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05961 / -117.17984				Accuracy:	1/10 mile	
UTM:	Zone-11 N3657909 E483211				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 10, NW (S)				Acres:	0.0	
Location:	ABOUT 200 FT SOUTH OF ESCONDIDO CREEK & 600 FT WEST OF THE SECOND SAN DIEGO AQUEDUCT, 3 MILES EAST OF OLIVENHAIN.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA AND RHUS INTEGRIFOLIA.						
General:	UNKNOWN NUMBER OBSERVED AT 1 LOCATION DURING 1991.						
Owner/Manager:	UNKNOWN						

Occurrence No.	67	Map Index:	33794	EO Index:	51020	Element Last Seen:	2002-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07085 / -117.18264				Accuracy:	specific area	
UTM:	Zone-11 N3659156 E482952				Elevation (ft):	700	
PLSS:	T13S, R03W, Sec. 03, SW (S)				Acres:	29.5	
Location:	HILLSIDE MIDWAY BETWEEN ESCONDIDO CREEK AND ELFIN FOREST ROAD, APPROX 3.5 MILES SSE LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GOOD QUALITY COASTAL SAGE SCRUB COMPRISED OF LAUREL SUMAC, CALIFORNIA SAGEBRUSH, FLAT-TOP BUCKWHEAT, BROOM BACCHARIS, SPECIES ASSOCIATED WITH DISTURBANCE AND VARIOUS NON-NATIVE GRASSES.						
General:	UNKNOWN NUMBER OBSERVED JULY 1998 DURING CALIFORNIA GNATCATCHER SURVEYS. UNKNOWN NUMBER OBSERVED BETWEEN 8 MAY AND 23 MAY 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	68	Map Index:	51033	EO Index:	51033	Element Last Seen:	2001-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05895 / -117.19368				Accuracy:	1/10 mile	
UTM:	Zone-11 N3657838 E481919				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 09, NE (S)				Acres:	0.0	
Location:	EAST SIDE OF TRIBUTARY TO ESCONDIDO CREEK, 1.2 MILES DIRECTLY NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:							
General:	UNKNOWN NUMBER OBSERVED SOMETIME BETWEEN JUL - AUG 2001 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	69	Map Index:	51056	EO Index:	51056	Element Last Seen:	2002-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08914 / -117.14265				Accuracy:	specific area	
UTM:	Zone-11 N3661178 E486687				Elevation (ft):	700	
PLSS:	T12S, R03W, Sec. 36, NE (S)				Acres:	12.6	
Location:	NORTH OF HARMONY GROVE ROAD, ALONG SAN ELIJO CANYON; APPROXIMATELY 0.6 MILE SW OF HARMONY GROVE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED (IN 3 LOCATIONS) BETWEEN 8 MAY AND 23 MAY 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	70	Map Index:	51057	EO Index:	51057	Element Last Seen:	2002-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07516 / -117.19754				Accuracy:	non-specific area	
UTM:	Zone-11 N3659636 E481562				Elevation (ft):	460	
PLSS:	T13S, R03W, Sec. 04 (S)				Acres:	149.6	
Location:	2 - 2.6 MILES NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:	HABITAT AT NORTH PORTION CONSISTS OF RUDERAL WEED FIELD (AVENA BARBATA, HIRSCHFELDIA INCANA) AND REMNANT DIEGAN COASTAL SAGE SCRUB. DIEGAN COASTAL SAGE SCRUB IS PRESENT AT SE END OF SITE. BROWN-HEADED COWBIRDS DETECTED DURING 1998 SURVEY.						
General:	UNKNOWN NUMBER HEARD VOCALIZING IN THE WEEDY GRASSLANDS ON PROJECT SITE SOMETIME BETWEEN MAR 30 AND 2 MAY 1998. UNKNOWN NUMBER OBSERVED (IN 2 LOCATIONS) BETWEEN 8 MAY AND 23 MAY 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	71	Map Index:	51092	EO Index:	51092	Element Last Seen:	2002-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09000 / -117.18154				Accuracy:	non-specific area	
UTM:	Zone-11 N3661279 E483058				Elevation (ft):	750	
PLSS:	T12S, R03W, Sec. 34 (S)				Acres:	358.7	
Location:	0.7 TO 1.9 MILES SOUTH OF DOUBLE PEAK AND NE OF ELFIN FOREST ROAD, SSE OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY SALVIA MELLIFERA WITH MALOSMA LAURINA & MALACOTHAMNUS FASCICULATUS. PATCHES OF LOTUS SCOPARIUS, ERIOGONUM FASCICULATUM & ARTEMISIA CALIFORNICA PRESENT. SCRUB BURNED IN OCT 1996.						
General:	UNKNOWN # OBSERVED (AT 3 LOCATIONS) 29 FEB-14 MAR 2000 DURING CALIFORNIA GNATCATCHER SURVEYS. 3 OBS & NEST W/ 4 EGGS OBS BTWN 2 MAY & 17 MAY 2001. UNKNOWN # OBSERVED (AT 17 LOCATIONS) 21 MAR-4 APR 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT, UNKNOWN						



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Occurrence No.	72	Map Index:	51097	EO Index:	51097	Element Last Seen:	2002-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02865 / -117.24604				Accuracy:	80 meters	
UTM:	Zone-11 N3654489 E477023				Elevation (ft):	120	
PLSS:	T13S, R04W, Sec. 24, SE (S)				Acres:	0.0	
Location:	WEST OF MANCHESTER AVENUE AND NE OF SAN ELIJO LAGOON, ABOUT 2.8 MILES WNW OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB WITH SMALL PATCHES OF SOUTHERN MARITIME CHAPARRAL. URBAN DEVELOPMENT EXISTS TO THE SOUTH, MEDIUM-TO LOW-DENSITY RESIDENTIAL TO THE NORTH AND EAST AND A MITIGATION BANK TO THE WEST OF PROJECT SITE.						
General:	UNKNOWN NUMBER OBSERVED BETWEEN 29 APR AND 1 JUN 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	73	Map Index:	51107	EO Index:	51107	Element Last Seen:	2000-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10771 / -117.22124				Accuracy:	non-specific area	
UTM:	Zone-11 N3663249 E479358				Elevation (ft):	420	
PLSS:	T12S, R03W, Sec. 29 (S)				Acres:	36.9	
Location:	BORDERED TO WEST BY RANCHO SANTA FE RD, WEST OF SAN MARCOS CREEK & NORTH OF LA COSTA MEADOWS DR; SW OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED BETWEEN 3 MAR AND 9 MAY 2000 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	74	Map Index:	51115	EO Index:	51115	Element Last Seen:	1999-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08093 / -117.21676				Accuracy:	80 meters	
UTM:	Zone-11 N3660279 E479769				Elevation (ft):	505	
PLSS:	T12S, R03W, Sec. 32, SW (S)				Acres:	0.0	
Location:	NNE OF THE HEAD OF ENCINITAS CREEK, EAST OF RANCHO SANTA FE ROAD AND APPROXIMATELY 2 MILES NE OF OLIVENHAIN.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF RECOVERING COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND. COASTAL SAGE SCRUB TO NORTH BURNED IN THE 1996 HARMONY GROVE FIRE.						
General:	UNKNOWN NUMBER OBSERVED (1 LOCATION) BETWEEN 30 JUN AND 14 JUL 1999 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	75	Map Index:	51172	EO Index:	51172	Element Last Seen:	1998-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08653 / -117.28371				Accuracy:	1/10 mile	
UTM:	Zone-11 N3660915 E473523				Elevation (ft):	40	
PLSS:	T12S, R04W, Sec. 34 (S)				Acres:	0.0	
Location:	JUST SOUTH OF BATIQUITOS LAGOON, MIDWAY BETWEEN I-5 AND EL CAMINO REAL, LEUCADIA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF CHAPARRAL.						
General:	2 INDIVIDUALS OBSERVED ON OR AFTER 24 SEP 1998.						
Owner/Manager:	PVT						



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Occurrence No.	76	Map Index:	51237	EO Index:	51237	Element Last Seen:	2002-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05684 / -117.01574				Accuracy:	non-specific area	
UTM:	Zone-11 N3657588 E498530				Elevation (ft):	900	
PLSS:	T13S, R01W, Sec. 07 (S)				Acres:	81.5	
Location:	WEST OF OLD COACH ROAD AND SOUTH OF HIGHLAND VALLEY ROAD, APPROXIMATELY 3 MILES NE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE INCLUDES COAST LIVE OAK WOODLAND, SOUTHERN COAST LIVE OAK RIPARIAN FOREST, DISTURBED WETLAND, COASTAL SAGE SCRUB, DISTURBED COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND. DEVELOPED AREAS ARE LOCATED ON PROJECT SITE.						
General:	UNKNOWN NUMBER OBSERVED ON SITE BETWEEN 20 MAR AND 5 APR 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	77	Map Index:	51249	EO Index:	51249	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03547 / -117.00833				Accuracy:	specific area	
UTM:	Zone-11 N3655219 E499222				Elevation (ft):	1000	
PLSS:	T13S, R01W, Sec. 20, NW (S)				Acres:	21.8	
Location:	EAST OF OLD COACH ROAD AND NORTH OF THE GREEN VALLEY TRUCK TRAIL, APPROXIMATELY 3 MILES ENE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED IN 6 LOCATIONS DURING APR - JUN-2002 GNATCATCHER SURVEY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	79	Map Index:	51407	EO Index:	51407	Element Last Seen:	1999-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14969 / -117.26873				Accuracy:	non-specific area	
UTM:	Zone-11 N3667913 E474938				Elevation (ft):	380	
PLSS:	T12S, R04W, Sec. 11 (S)				Acres:	32.1	
Location:	NORTH OF AGUA HEDIONDA CREEK, EAST OF EL CAMINO REAL AND WEST OF MT. HINTON, ABOUT 4 MILES EAST OF CARLSBAD.						
Detailed Location:	MANDANA PROPERTY.						
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF DIEGAN COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, SYCAMORE RIPARIAN WOODLAND, SOUTHERN COAST LIVE OAK WOODLAND, FRESHWATER MARSH, CISMONTANE ALKALI MARSH, SOUTHERN MIXED CHAPARRAL AND EUCALYPTUS WOODLAND.						
General:	UNKNOWN NUMBER OBSERVED IN 4 LOCATIONS BETWEEN 24 MAY AND 3 AUG 1999 DURING SURVEYS FOR OTHER SPECIES. THERE IS RESIDENTIAL TO THE NORTH OF SITE AND INDUSTRIAL SOUTH OF THE CREEK. ICTERIA VIRENS & EMPIDONAX TRAILLII EXTIMUS IN VICINITY.						
Owner/Manager:	PVT						

Occurrence No.	80	Map Index:	51466	EO Index:	51466	Element Last Seen:	1998-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13528 / -117.30967				Accuracy:	80 meters	
UTM:	Zone-11 N3666327 E471116				Elevation (ft):	150	
PLSS:	T12S, R04W, Sec. 16 (S)				Acres:	0.0	
Location:	SE OF AGUA HEDIONDA AND 0.15 MILE WEST OF CALAVERAS ROAD, SE CARLSBAD.						
Detailed Location:	OBSERVED ON SOUTH SIDE OF CANON ROAD.						
Ecological:	HABITAT CONSISTS OF GENERALLY GOOD QUALITY DIEGAN SAGE SCRUB COMPRISED OF ARTEMISIA CALIFORNICA, RHUS INTEGRIFOLIA, MIMULUS AURANTIACUS, HEMIZONIA FASCICULATA + OTHERS. SOUTHERN MARITIME CHAPARRAL, SOUTHERN WILLOW SCRUB + OTHERS.						
General:	1 PAIR OBSERVED FORAGING IN DIEGAN SAGE SCRUB ON 1 AUG 1998. DIEGAN SAGE SCRUB AND DISTURBED DIEGAN SAGE SCRUB EXISTS TO THE EAST WHILE LAND TO SOUTH CONSISTS OF ACTIVE AGRICULTURE.						
Owner/Manager:	PVT-SDGE						



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Occurrence No.	81	Map Index:	51472	EO Index:	51472	Element Last Seen:	1998-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13061 / -117.29332				Accuracy:	1/5 mile	
UTM:	Zone-11 N3665804 E472638				Elevation (ft):	110	
PLSS:	T12S, R04W, Sec. 15 (S)				Acres:	0.0	
Location:	JUST SOUTH OF FARADAY AVE, NORTH OF COLLEGE BLVD, AND NW OF WEST END OF PALOMAR AIRPORT, SE CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB COMPRISED OF ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM AND MALOSMA LAURINA.						
General:	UNKNOWN NUMBER OBSERVED (IN 4 LOCATIONS) BETWEEN 12 MAR AND 2 APR 1998 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	82	Map Index:	51491	EO Index:	51491	Element Last Seen:	1998-12-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24723 / -117.24698				Accuracy:	1/5 mile	
UTM:	Zone-11 N3678722 E476992				Elevation (ft):	280	
PLSS:	T11S, R04W, Sec. 01 (S)				Acres:	0.0	
Location:	NE OF NORTH SANTA FE AVE AND WEST OF VISTA WAY, NORTH OF CITY OF VISTA.						
Detailed Location:	WEST TO NW OF HUTCHISON.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB & NON-NATIVE GRASSLAND. MAJORITY OF AREA HAS BEEN DISTURBED & PAST DISKING IS EVIDENT. RESIDENTIAL TO WEST & PART OF EAST BOUNDARY. OTHER SPECIES: CALIF GNATCATCHER, SHARP-SHINNED HAWK & WHITE-TAILED KITES.						
General:	6 OBSERVED BETWEEN 20 NOV AND 8 DEC 1998.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	84	Map Index:	51595	EO Index:	51596	Element Last Seen:	2001-12-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-19
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.33692 / -117.16325				Accuracy:	non-specific area	
UTM:	Zone-11 N3688651 E484807				Elevation (ft):	400	
PLSS:	T10S, R03W, Sec. 02, E (S)				Acres:	64.4	
Location:	JUST NORTH OF PALA MESA VILLAGE, 0.5 MI NNW OF THE INTERSECTION OF I-15 AND HWY 76, SAN DIEGO COUNTY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, AND SALVIA APIANA. OTHER COMMUNITIES INCLUDE SOUTHERN WILLOW SCRUB, ENGELMANN OAK WOODLAND, COAST LIVE OAK WOODLAND.						
General:	UNKNOWN NUMBER OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS 5-19 DEC 2001. DEVELOPMENT LOCATED TO NORTH, SOUTH AND OPEN SPACE TO THE WEST.						
Owner/Manager:	PVT						

Occurrence No.	85	Map Index:	51607	EO Index:	51607	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.26132 / -117.18923				Accuracy:	80 meters	
UTM:	Zone-11 N3680273 E482375				Elevation (ft):	400	
PLSS:	T10S, R03W, Sec. 34 (S)				Acres:	0.0	
Location:	0.6 MILE NORTH OF GOPHER CANYON ROAD AND 1.9 MILES WEST OF I-15, NNE OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF MODERATE-TO HIGH-QUALITY COASTAL SAGE SCRUB AND BROOM BACCHARIS SCRUB. TOPOGRAPHY: RELATIVELY FLAT TO STEEP. SITE IS SURROUNDED BY LOW DENSITY RESIDENTIAL, A COUNTRY CLUB, AGRICULTURE AND UNDEVELOPED AREAS.						
General:	UNKNOWN NUMBER OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS DURING 2002.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	128	Map Index:	53479	EO Index:	53479	Element Last Seen:	2001-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-12-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31814 / -117.15408				Accuracy:	non-specific area	
UTM:	Zone-11 N3686567 E485657				Elevation (ft):	260	
PLSS:	T10S, R03W, Sec. 12 (S)				Acres:	60.6	
Location:	ALONG EAST SIDE OF I-15, SOUTH OF THE SAN LUIS REY RIVER AND NW OF KEYS CANYON, SOUTH OF PALA MESA.						
Detailed Location:							
Ecological:	VEGETATION INCLUDES SALIX LASIOLEPIS, BACCHARIS SALICIFOLIA, POPULUS FREEMONTII, SALIX LAEVIGATA. OTHER WILLOWS INC SALIX LASIANDRA, SALIX GOODDINGII, SALIX HINDSIANA. QUERCUS AGRIFOLIA, SAMBUCUS MEXICANA & CALIFORNIA BUCKWHEAT TO S.						
General:	UNKNOWN NUMBER DETECTED DURING SOUTHWESTERN WILLOW FLYCATCHER/LEAST BELL'S VIREO SURVEYS CONDUCTED 7 MAY-29 JULY 2001. SPECIES WAS DETECTED WITHIN & NEAR SURVEY AREA. SMALL GROUP OF AGELAIUS TRICOLOR, 2 STERNA ANTILLARUM ON SITE JUN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	129	Map Index:	53833	EO Index:	53833	Element Last Seen:	2000-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-30
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06369 / -117.04401				Accuracy:	1/5 mile	
UTM:	Zone-11 N3658348 E495891				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 12, NW (S)				Acres:	0.0	
Location:	APPROXIMATELY 1.5 MILES EAST OF I-15 AND NORTH OF LAKE HODGES, ESCONDIDO.						
Detailed Location:	OBSERVATIONS ARE WITHIN SITE "B" OF PROPOSED MHCP HABITAT AQUISITION PROJECT.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB AND COASTAL SAGE SCRUB/NON-NATIVE GRASSLAND. ADJACENT LAND: PRESERVED OPEN SPACE/RESIDENTIAL TO WEST, RESIDENTIAL TO NORTH AND EAST, AND AGRICULTURAL LAND TO THE SOUTH.						
General:	4 (1 PAIR, 2 INDIVIDUALS) OBSERVED ON 1 AUG 2000. THIS SPARROW MOST LIKELY NESTS ONSITE IN COASTAL SAGE SCRUB. THIS SITE MAY BE INCLUDED IN THE MHCP AND OCCURS WITHIN THE SAN DIEGUITO RIVER OPEN SPACE PARK PLANNING AREA.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	166	Map Index:	59977	EO Index:	60015	Element Last Seen:	2003-04-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-02-14
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06132 / -117.13437				Accuracy:	non-specific area	
UTM:	Zone-11 N3658093 E487455				Elevation (ft):	1000	
PLSS:	T13S, R02W, Sec. 07, NW (S)				Acres:	45.9	
Location:	1 MILE NORTH OF LAKE HODGES DAM, ON THE WEST SIDE OF LAKE HODGES, SSW OF DEL DIOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF MAFIC SOUTHERN MIXED CHAPARRAL ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, 9-70% SLOPES; DOMINATED BY CEANOTHUS VERRUCOSUS, C. OLIGANTHUS, ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, AND RHUS INTEGRIFOLIA.						
General:	2 ADULTS OBSERVED ON 4 APR 2003.						
Owner/Manager:	PVT						

Occurrence No.	181	Map Index:	80576	EO Index:	81568	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-11-01
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22607 / -117.19646				Accuracy:	4/5 mile	
UTM:	Zone-11 N3676367 E481693				Elevation (ft):	1170	
PLSS:	T11S, R03W, Sec. 16 (S)				Acres:	0.0	
Location:	VICINITY OF SAN MARCOS MOUNTAINS, ABOUT 3 MI NE OF VISTA, NW OF MERRIAM MOUNTAIN.						
Detailed Location:	EXACT LOCATION IS UNKNOWN. MAPPED TO THE PROJECT SITE.						
Ecological:	HABITAT IS CONSISTS OF MAFIC SOUTHERN MIXED CHAPARRAL, DIEGAN COASTAL SAGE SCRUB, NATIVE GRASSLAND, & MULEFAT SCRUB (TOTAL 25 SENSITIVE PLANTS & 31 SENSITIVE ANIMAL SPECIES EXIST IN THE AREA).						
General:	SMALL NUMBERS OF BIRDS WERE HEARD THROUGHOUT THE SITE ON UNKNOWN SPECIFIC SURVEY DATES IN 1999, 2000, & 2001.						
Owner/Manager:	BLM, PVT						



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Occurrence No.	227	Map Index:	A5445	EO Index:	107174	Element Last Seen:	2016-10-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2016-10-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-01
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36282 / -117.15588				Accuracy:	specific area	
UTM:	Zone-11 N3691521 E485498				Elevation (ft):	421	
PLSS:	T09S, R03W, Sec. 25, SW (S)				Acres:	37.0	
Location:	FROM ABOUT 0.2-0.7 MI NE OF PALA MESA HEIGHTS DR AT PANKEY RD, 0.3-0.8 MI SE OF I-15 AT CANONITA DR, S OF RAINBOW.						
Detailed Location:	CAMPUS PARK DEVELOPMENT SITE. 1999: DETECTED IN COASTAL SAGE SCRUB AT NORTH END OF PROJECT SITE. 2007: DETECTED DURING GNATCATCHER SURVEYS OF "MEADOWOOD" DEVELOPMENT SITE. MAPPED TO LOCATIONS PROVIDED FOR 2016 DETECTIONS.						
Ecological:	COASTAL SAGE SCRUB RECOVERING FROM 2007 FIRE. DOMINANT SPECIES INCLUDED CALIFORNIA SAGEBRUSH, BUCKWHEAT, BLACK AND WHITE SAGE, AND CHAPARRAL MALLOW. PROPERTY BEING DEVELOPED, 2016 DETECTIONS DURING PRE-CONSTRUCTION SURVEY.						
General:	2 OBSERVED IN 1999. DETECTED DURING 2007 CA GNATCATCHER SURVEYS. AT LEAST 3 INCLUDING A PAIR SEEN &/OR HEARD DURING 6 CAGN SURVEY DATES IN 2016; PRESUMED TO BE YEAR-ROUND RESIDENTS.						
Owner/Manager:	PVT						

Occurrence No.	230	Map Index:	B1170	EO Index:	113064	Element Last Seen:	2016-08-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-08-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-19
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24402 / -117.16137				Accuracy:	80 meters	
UTM:	Zone-11 N3678351 E484967				Elevation (ft):	923	
PLSS:	T11S, R03W, Sec. 2, SE (S)				Acres:	5.0	
Location:	ABOUT 0.7 MI SW OF I-15 AT GOPHER CANYON RD AND 1.4 MI SE OF DISNEY LN AT SOUTHWIND LN, SE OF BONSALE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	DIEGAN COASTAL SAGE SCRUB ON UNDEVELOPED LAND ADJACENT TO ORCHARDS AND RURAL RESIDENTIAL. DISTURBANCE FROM INVASIVE PLANTS WAS NOTED. SURVEYOR ALSO COMMENTED THAT SITE WAS LIKELY TO BE PRESERVED (2017).						
General:	1 ADULT SEEN AND HEARD GLEANING AND CALLING FROM TOP OF BUSH ON 26 AUG 2016.						
Owner/Manager:	PVT						



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Occurrence No.	232	Map Index:	B3160	EO Index:	115079	Element Last Seen:	2017-04-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-05-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11658 / -117.17017				Accuracy:	80 meters	
UTM:	Zone-11 N3664224 E484124				Elevation (ft):	1002	
PLSS:	T12S, R03W, Sec. 23, W (S)				Acres:	5.0	
Location:	NW OF SOUTH LAKE, ABOUT 0.4 MI SW OF VILLAGE DR AT BELLA VITA WAY & 0.8 MI SSE OF CRAVEN RD AT ECHO LN, SAN MARCOS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. AREA IS CALLED RANCHO CORONADO PRESERVE.						
Ecological:	MIXED COASTAL SAGE SCRUB WITH BUCKWHEAT, CEANOTHUS, BLACK SAGE, LAUREL SUMAC AND SAGEBRUSH. WITHIN PRESERVE SURROUNDED BY DEVELOPMENT. IN 2017 ACTIVE CONSTRUCTION WAS OCCURRING DOWNSLOPE BUT THERE WERE NO IMMEDIATE THREATS.						
General:	3 ADULTS AND 4 OF UNKNOWN AGE HEARD CALLING AND OBSERVED FORAGING TOGETHER ON 4 APR 2017; LIKELY BREEDING ONSITE.						
Owner/Manager:	SAN DIEGO HABITAT CONSERVANCY						

Artemisiospiza belli belli					Element Code: ABPBX97021		
Bell's sparrow							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G5T2T3
	State:	None				State:	S3
	Other:	CDFW_WL-Watch List					
Habitat:	General:	NESTS IN CHAPARRAL DOMINATED BY FAIRLY DENSE STANDS OF CHAMISE. FOUND IN COASTAL SAGE SCRUB IN SOUTH OF RANGE.					
	Micro:	NEST LOCATED ON THE GROUND BENEATH A SHRUB OR IN A SHRUB 6-18 INCHES ABOVE GROUND. TERRITORIES ABOUT 50 YDS APART.					

Occurrence No.	20	Map Index:	51095	EO Index:	51095	Element Last Seen:	2002-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08771 / -117.18000				Accuracy:	80 meters	
UTM:	Zone-11 N3661025 E483201				Elevation (ft):	780	
PLSS:	T12S, R03W, Sec. 34, E (S)				Acres:	0.0	
Location:	1.5 MILES DIRECTLY SOUTH OF DOUBLE PEAK AND APPROXIMATELY 0.4 MILE NE OF ELFIN FOREST ROAD, SSE OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY SALVIA MELLIFERA WITH MALOSMA LAURINA & MALACOTHAMNUS FASCICULATUS. PATCHES OF LOTUS SCOPARIUS, ERIOGONUM FASCICULATUM & ARTEMISIA CALIFORNICA PRESENT. SCRUB BURNED IN OCT 1996.						
General:	UNKNOWN NUMBER OBSERVED (AT 1 LOCATION) BETWEEN 21 MAR & 4 APR 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	21	Map Index:	51096	EO Index:	51096	Element Last Seen:	2001-05-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-05-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09306 / -117.18730				Accuracy:	non-specific area	
UTM:	Zone-11 N3661619 E482521				Elevation (ft):	800	
PLSS:	T12S, R03W, Sec. 34, NW (S)				Acres:	82.7	
Location:	EAST OF ELFIN FOREST ROAD AND WEST OF QUESTHAVEN ROAD, SSE OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF RECOVERING DIEGAN COASTAL SAGE SCRUB COMPRISED OF MALACOTHAMNUS FASCICULATUS, SALVIA MELLIFERA, MALOSMA LAURINA & LOTUS SCOPARIUS. UNDEVELOPED TO NORTH, EAST & WEST. A FEW HOMES TO THE SOUTH.						
General:	1 ADULT OBSERVED ON 2 MAY 2001.						
Owner/Manager:	PVT						

Occurrence No.	38	Map Index:	53387	EO Index:	53387	Element Last Seen:	2000-07-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-07-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-11-19
Quad Summary:	Valley Center (3311721), Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.24998 / -117.11819				Accuracy:	1/10 mile	
UTM:	Zone-11 N3679006 E488989				Elevation (ft):	600	
PLSS:	T11S, R02W, Sec. 05, NW (S)				Acres:	0.0	
Location:	MOOSA CANYON, 2 MILES EAST OF HWY 395 AND APPROXIMATELY 7 MILES NE OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GRANITIC SOUTHERN MIXED CHAPARRAL AND INLAND COASTAL SCRUB. SHARP-SHINNED HAWK ALSO OBSERVED IN VICINITY. ELEVATION: 480-800 FEET.						
General:	1 OBSERVED ON 27 JUL 2000.						
Owner/Manager:	PVT						

Occurrence No.	41	Map Index:	54446	EO Index:	54449	Element Last Seen:	2001-05-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-06-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-02-20
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05164 / -117.04793				Accuracy:	1/5 mile	
UTM:	Zone-11 N3657013 E495524				Elevation (ft):	320	
PLSS:	T13S, R02W, Sec. 12 (S)				Acres:	0.0	
Location:	LAKE HODGES, 1.4 MILES EAST OF I-15, 3.5 MILES SSE ESCONDIDO.						
Detailed Location:	NORTH OF HIGHLAND VALLEY ROAD.						
Ecological:	SURROUNDING LAND CONSISTS OF RESIDENTIAL HOMES, AGRICULTURE AND UNDEVELOPED AREA. ICTERIA VIRENS ALSO DETECTED IN AREA.						
General:	1 AFTER HATCH YEAR BIRD OBSERVED ON 29 MAY 2001.						
Owner/Manager:	UNKNOWN						



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Passerculus sandwichensis beldingi

Element Code: ABPBX99015

Belding's savannah sparrow

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G5T3

State: Endangered

State: S3

Other: USFWS_BCC-Birds of Conservation Concern

Habitat: **General:** INHABITS COASTAL SALT MARSHES, FROM SANTA BARBARA SOUTH THROUGH SAN DIEGO COUNTY.

Micro: NESTS IN SALICORNIA ON AND ABOUT MARGINS OF TIDAL FLATS.

Occurrence No.	17	Map Index:	33747	EO Index:	24644	Element Last Seen:	2001-04-13
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2001-04-13	
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:		2002-09-26	

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.17255 / -117.34981	Accuracy:	non-specific area
UTM:	Zone-11 N3670470 E467386	Elevation (ft):	10
PLSS:	T11S, R05W, Sec. 36 (S)	Acres:	182.7

Location: BUENA VISTA LAGOON, BETWEEN OCEANSIDE AND CARLSBAD.

Detailed Location: IN 1986 A SMALL PATCH OF PICKLEWEED WAS REPORTED IN THE NORTHEAST CORNER OF THE INNER LAGOON WHERE 1 PAIR WAS DETECTED.

Ecological: HABITAT TOO SPARSE & FRAGMENTED TO SUPPORT CONSISTANT BREEDING. RESTORATION OF HIGHER MARSH VEGETATION IS NECESSARY FOR BELDING'S TO SUCCESSFULLY UTILIZE THIS LAGOON. ISLANDS IN INNER LAGOON ARE PERFECT FOR SALICORNIA REVEGETATION.

General: 0 PRS ESTIMATED IN 1973, 5 PRS ESTIMATED IN 1977, 1 PAIR ESTIMATED IN 1986. NO NESTING IN 1991 OR 1996, 6 PRS ESTIMATED IN 2001.

Owner/Manager: DFG-BUENA VISTA LAGOON ER

Occurrence No.	18	Map Index:	03445	EO Index:	24643	Element Last Seen:	2001-03-28
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2001-03-28	
Occ. Type:	Natural/Native occurrence	Trend:	Fluctuating	Record Last Updated:		2002-09-26	

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.14086 / -117.31542	Accuracy:	non-specific area
UTM:	Zone-11 N3666947 E470581	Elevation (ft):	10
PLSS:	T12S, R04W, Sec. 08 (S)	Acres:	76.3

Location: AGUA HEDIONDA LAGOON, SALICORNIA MARSH AT INLAND EDGE OF EASTERN LAGOON.

Detailed Location: 2001: ALL BIRDS WERE ON THE EDGE OF THE INLAND LAGOON; 77% WERE IN LARGEST EXPANSE OF PICKLEWEEK ON THE INLAND EXTREME OF INNER LAGOON.

Ecological: CURRENTLY ONLY A 25 HA SALT MARSH W/PARTIAL TIDAL ACTION. THE SALT MARSH VEGETATION ELSEWHERE IN THE LAGOON IS PATCHY, SCATTERED IN NARROW BANDS & SPARSE, SHORT & OFTEN INUNDATED OR HIGH & DRY.

General: 37 PRS ESTIMATED IN 1973, 16 PRS ESTIMATED IN 1977, 45 PRS ESTIMATED IN 1986, 13 PAIRS ESTIMATED IN 1991, 29 PRS ESTIMATED IN 1996, 22 PRS ESTIMATED IN 2001.

Owner/Manager: DFG-AGUA HEDIONDA LAGOON ER



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Occurrence No.	19	Map Index:	03528	EO Index:	24641	Element Last Seen:	1986-04-22
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1986-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Increasing	Record Last Updated:	1995-11-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09003 / -117.27088				Accuracy:	1/5 mile	
UTM:	Zone-11 N3661300 E474721				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 35, NW (S)				Acres:	0.0	
Location:	BATIQUITOS LAGOON; EAST END OF INLAND LAGOON ON N OF SAN MARCOS CREEK & E 1/2 OF N EDGE LAGOON.						
Detailed Location:							
Ecological:	35 HA SALTMARSH W/NO TIDAL ACTION. SALICORNIA HAS INCREASED IN NE PORTION OF LAGOON SINCE 1977 AND MAY ACCOUNT FOR INCREASED ESTIMATE OF #S OF PAIRS.						
General:	0 ESTIMATED IN 1973, 20 PRS ESTIMATED IN 1977, 47 PRS ESTIMATED IN 1986.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						

Occurrence No.	20	Map Index:	03454	EO Index:	24642	Element Last Seen:	1977-03-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1977-03-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08808 / -117.31143				Accuracy:	1/5 mile	
UTM:	Zone-11 N3661094 E470936				Elevation (ft):	20	
PLSS:	T12S, R04W, Sec. 33, W (S)				Acres:	0.0	
Location:	WEST END BATIQUITOS LAGOON.						
Detailed Location:	5 NESTING PAIRS IN MARGINAL SALICORNIA HABITAT ALONG COAST HIGHWAY.						
Ecological:							
General:							
Owner/Manager:	UNKNOWN						

Occurrence No.	21	Map Index:	03567	EO Index:	2187	Element Last Seen:	2001-05-23
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Increasing	Record Last Updated:	2002-10-17
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01150 / -117.26148				Accuracy:	non-specific area	
UTM:	Zone-11 N3652592 E475576				Elevation (ft):	10	
PLSS:	T13S, R04W, Sec. 26, SE (S)				Acres:	599.0	
Location:	SAN ELIJO LAGOON.						
Detailed Location:	1986: BIRDS WIDELY DISTRIBUTED BUT MOST OBS ALONG NORTH EDGE OF LAGOON. 1991: NORTH EDGE INUNDATED & MOST BIRDS OBS ALONG WEST EDGE OF LAGOON. 2001: BIRDS FAIRLY EVENLY DISTRIBUTED IN SUITABLE HABITAT ALONG ALL 3 SUBSECTIONS OF LAGOON.						
Ecological:	THE CONSTANT TIDAL INFLUENCE & ESTUARINE CONDITIONS RE-ESTABLISHED 2+ YEARS BEFORE 2001 SURVEY HAVE HAD A POSITIVE EFFECT OF THE NUMBERS OF BIRDS BREEDING.						
General:	17 PAIRS IN 1973, 30 PAIRS IN 1977, 31 PAIRS IN 1986, 47 PAIRS IN 1991, 42 PAIRS IN 1996, 75 PAIRS IN 2001.						
Owner/Manager:	DFG, PVT, SDG COUNTY						



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Agelaius tricolor

Element Code: ABPBXB0020

tricolored blackbird

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G1G2
	State: Threatened		State: S2
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.		
	Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.		

Occurrence No.	467	Map Index:	95683	EO Index:	96822	Element Last Seen:	1932-05-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2014-05-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2015-03-23

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long:	33.03968 / -117.19378	Accuracy:	non-specific area
UTM:	Zone-11 N3655702 E481905	Elevation (ft):	250
PLSS:	T13S, R03W, Sec. 16, SE (S)	Acres:	116.0

Location:	0.6 MI NNW OF EL MONTEVIDEO RD & HWY S-6 INTERSECTION, NE OF RANCHO SANTE FE, S OF ESCONDIDO CR, SAN DIEGUITO RESERVOIR.
Detailed Location:	1932 DETECTION LOCATION GIVEN AS "SAN DIEGUITO RESERVOIR." MAPPED TO PERIMETER OF RESERVOIR AND SURROUNDING SHORELINES. PARTIAL DATA ACQUIRED FROM UC DAVIS TRICOLOR BLACKBIRD PORTAL. SITE NAME IN PORTAL WAS "SAN DIEGUITO RESERVOIR."
Ecological:	RESERVOIR W/ TULE & CATTAILS (1932). THINLY LINED W/ BULRUSH IN A RESIDENTIAL AREA (2014). VERY LITTLE FORAGING HABITAT & OF POOR QUALITY; DRY SCRUB & CACTI. AREA WAS EASY TO VIEW FROM SURROUNDING ROADS. NO IDICATION OF COLONY (WHITEWASH).
General:	ABOUT 200 NESTS OBSERVED ON 27 MAY 1932 BY J. NEFF; ABOUT 300 BIRDS WERE ESTIMATED. 31 POSSIBLY NESTING BIRDS OBSERVED ON 19 APR 2014; IT IS POSSIBLE THAT THESE WERE RED-WINGED BLACKBIRDS, MORE RESEARCH NEEDED. NONE OBSERVED ON 15 MAY 2014.
Owner/Manager:	UNKNOWN, PVT

Occurrence No.	472	Map Index:	95699	EO Index:	96833	Element Last Seen:	1932-05-27
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:			2014-04-20
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2015-06-18

Quad Summary: San Luis Rey (3311723), Morro Hill (3311733)

County Summary: San Diego

Lat/Long:	33.24990 / -117.29900	Accuracy:	1 mile
UTM:	Zone-11 N3679031 E472147	Elevation (ft):	70
PLSS:	T11S, R04W, Sec. 04 (S)	Acres:	0.0

Location:	VICINITY OF COLLEGE BLVD AND NORTH RIVER RD INTERSECTION, ABOUT 2 MILES NE OF SAN LUIS REY, SAN LUIS REY RIVER.
Detailed Location:	1932 LOCATION DESCRIBED AS "2 MI. NE SAN LUIS REY." SURVEYED IN 2014 AS PART OF TRIENNIAL STATEWIDE SURVEYS. COLONY DATA STORED IN UC DAVIS TRICOLOR BLACKBIRD PORTAL. SITE NAME IN PORTAL WAS "NORTHEAST SAN LUIS REY."
Ecological:	ESTUARY COMPRISED OF TULE AND CATTAILS (1932). MAPPED GENERALLY TO PROVIDED COORDINATES FROM PORTAL. BEEDY (1991) CLASSIFIED THIS COLONY AS "PRESUMED EXTIRPATED."
General:	APPROXIMATELY 1200 NEST OBSERVED ON 27 MAY 1932 BY J. NEFF. NONE OBSERVED ON 20 APR 2014; CLASSIFIED AS A BREEDING COLONY.
Owner/Manager:	CITY OF OCEANSIDE, UNKNOWN



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Occurrence No.	473	Map Index:	95705	EO Index:	96841	Element Last Seen:	1936-05-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-24
Quad Summary:	San Luis Rey (3311723), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.23660 / -117.33610			Accuracy:	1 mile		
UTM:	Zone-11 N3677567 E468686			Elevation (ft):	50		
PLSS:	T11S, R04W, Sec. 07 (S)			Acres:	0.0		
Location:	SAN LUIS REY RIVER, VICINITY OF WHELAN LAKE, 1.6 MILES W OF HWY 76 & OLD GROVE RD INTERSECTION, NE OF OCEANSIDE.						
Detailed Location:	MAPPED GENERALLY TO SAN LUIS REY AND SURROUNDING AREAS. PROVIDED LOCATION DESCRIPTIONS WERE "NEAR SAN LUIS REY," "ONE MILE WEST OF SAN LUIS REY," & "WHELAN LAKE." STATEWIDE SURVEY DATA FROM UC DAVIS TRICOLOR BLACKBIRD PORTAL; 3 LOCATIONS.						
Ecological:	1932 HABITAT DESCRIBED AS "LAKE/TULE." 1936 HABITAT DESCRIBED AS "RESERVOIR/CATTAILS." EXACT LOCATION UNKNOWN AND THEREFORE MAPPED TO INCLUDE LIKELY AREAS OF HISTORIC COLONIES AND WHELAN LAKE.						
General:	ABOUT 1000 NEST OBSERVED ON 19 MAY 1932 BY J. NEFF. ABOUT 500 NESTS OBSERVED ON 17 MAY 1936 BY J. NEFF. NONE OBSERVED IN 23 APR 1994 AND 20 APR 2014 DURING STATEWIDE SURVEYS.						
Owner/Manager:	CITY OF OCEANSIDE, UNKNOWN						

Occurrence No.	475	Map Index:	95720	EO Index:	96856	Element Last Seen:	1971-04-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1971-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-25
Quad Summary:	Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36030 / -117.23960			Accuracy:	4/5 mile		
UTM:	Zone-11 N3691256 E477708			Elevation (ft):	600		
PLSS:	T09S, R03W, Sec. 30 (S)			Acres:	0.0		
Location:	JUST SW OF PECHE RD & STAGE COACH LN, 1.5 MILES SSE OF FALLBROOK POST OFFICE, N OF BONSALE.						
Detailed Location:	LOCATION DESCRIPTION WAS "1.5 MILES SOUTH OF FALLBROOK." MAPPED GENERALLY TO ABOUT 1.5 MILES SSE OF FALLBROOK CITY CENTER TO VARIOUS UNNAMED STREAMS AND PONDS AT LOS JILGUEROS PRESERVE. COLONY ABOUT 2/5 OF AN ACRE.						
Ecological:	POND WITH CATTAIL AND BULRUSH SURROUNDED BY NONIRRIGATED GRASSLAND IN ORANGE AND AVOCADO ORCHARDS.						
General:	APPROXIMATELY 1500 INDIVIDUAL BIRDS AND ABOUT 10-20 NESTS OBSERVED ON 26 APR 1971 (DEHAVEN FIELD DATA). BIRDS OBSERVED "JUST BEGINNING TO BUILD NESTS," 2 COMPLETED NEST FOUND ALONG WITH SEVERAL UNCOMPLETED ONES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	477	Map Index:	95747	EO Index:	96886	Element Last Seen:	1906-XX-XX
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:	1906-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-07-06		
Quad Summary:	San Pasqual (3311618), Rodriquez Mtn. (3311628), Escondido (3311711), Rancho Santa Fe (3311712), Valley Center (3311721), San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.07960 / -117.06720			Accuracy:	5 miles		
UTM:	Zone-11 N3660114 E493727			Elevation (ft):	400		
PLSS:	T13S, R02W, Sec. 03 (S)			Acres:	0.0		
Location:	VICINITY OF ESCONDIDO, RANCHO BERNARDO, AND SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED VERY GENERALLY TO PROVIDED LOCATION DESCRIPTION OF "VALLEYS OF ESCONDIDO AND SAN PASQUAL AND PART OF THE BERNARDO RANCHO." EXACT LOCATION UNKNOWN. FURTHER RESEARCH NEEDED AT THESE LOCATIONS TO VERIFY LOCAL POPULATIONS.						
Ecological:	OBSERVATIONS OF TRICOLORED NESTING COLONIES WERE COMPILED FROM A DISTRICT LIST COMPILED FROM 16 YEARS OF FIELD NOTES. APPARENTLY SEVERAL COLONIES RECORDED. PRESUMED EXTIRPATED BY BEEDY (1991).						
General:	OBSEVERD NESTING BETWEEN APR-MAY OF UNKNOWN YEAR PRIOR TO 1906 (SHARP 1907).						
Owner/Manager:	UNKNOWN						

Gila orcuttii				Element Code: AFCJB13120				
arroyo chub								
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G2	
	State:	None				State:	S2	
	Other:	AFS_VU-Vulnerable, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive						
Habitat:	General:	NATIVE TO STREAMS FROM MALIBU CREEK TO SAN LUIS REY RIVER BASIN. INTRODUCED INTO STREAMS IN SANTA CLARA, VENTURA, SANTA YNEZ, MOJAVE AND SAN DIEGO RIVER BASINS.						
	Micro:	SLOW WATER STREAM SECTIONS WITH MUD OR SAND BOTTOMS. FEEDS HEAVILY ON AQUATIC VEGETATION AND ASSOCIATED INVERTEBRATES.						

Occurrence No.	9	Map Index:	21802	EO Index:	28514	Element Last Seen:	2016-04-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-04-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-10-05
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34111 / -117.33055				Accuracy:	1/5 mile	
UTM:	Zone-11 N3689152 E469240				Elevation (ft):	110	
PLSS:	T10S, R04W, Sec. 05, NW (S)				Acres:	0.0	
Location:	SANTA MARGARITA RIVER, UPSTREAM OF LAKE O'NEILL DIVERSION, ON CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	1991: CHADWICK & ASSOCIATES SITE #3.						
Ecological:	SHALLOW RIVER (<0.5M) WITH BRAIDED CHANNEL AND SAND SUBSTRATE.						
General:	830 INDIVIDUALS COLLECTED IN 1991; CHUBS WERE THE MOST ABUNDANT FISH PRESENT, AT 156 FISH/KM IN JUN, 6263 FISH/KM IN AUG & 653 FISH/KM IN NOV. 2 ADULTS DETECTED DURING 1-PASS ELECTROFISHING ON 19 APR 2016.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Eucyclogobius newberryi</i>				Element Code: AFCQN04010			
tidewater goby							
Listing Status:	Federal:	Endangered			CNDDB Element Ranks:	Global:	G3
	State:	None				State:	S3
	Other:	AFS_EN-Endangered, IUCN_NT-Near Threatened					



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Habitat:	General:	BRACKISH WATER HABITATS ALONG THE CALIFORNIA COAST FROM AGUA HEDIONDA LAGOON, SAN DIEGO COUNTY TO THE MOUTH OF THE SMITH RIVER.					
	Micro:	FOUND IN SHALLOW LAGOONS AND LOWER STREAM REACHES, THEY NEED FAIRLY STILL BUT NOT STAGNANT WATER AND HIGH OXYGEN LEVELS.					
Occurrence No.	85	Map Index:	03307	EO Index:	13296	Element Last Seen:	1958-04-10
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1984-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-11-10
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22066 / -117.35243			Accuracy:	non-specific area		
UTM:	Zone-11 N3675805 E467159			Elevation (ft):	10		
PLSS:	T11S, R05W, Sec. 13 (S)			Acres:	298.6		
Location:	SAN LUIS REY RIVER, FROM MOUTH TO 3.0 MILES UPSTREAM, N EDGE OCEANSIDE.						
Detailed Location:							
Ecological:							
General:	UCLA W58-1. LAST COLLECTED IN 1958.						
Owner/Manager:	PVT						
Occurrence No.	86	Map Index:	33747	EO Index:	28495	Element Last Seen:	1953-04-10
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1984-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-11-10
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17255 / -117.34981			Accuracy:	non-specific area		
UTM:	Zone-11 N3670470 E467386			Elevation (ft):	10		
PLSS:	T11S, R05W, Sec. 36 (S)			Acres:	182.7		
Location:	BUENA VISTA LAGOON, FROM MOUTH TO 1.0 MILE UPSTREAM, CARLSBAD BIRD SANCTUARY.						
Detailed Location:							
Ecological:							
General:	UCLA-53-235. LAST COLLECTED IN 1953.						
Owner/Manager:	DFG-BUENA VISTA LAGOON ER						



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Occurrence No.	87	Map Index:	15991	EO Index:	28496	Element Last Seen:	1940-06-29
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1984-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14294 / -117.32982				Accuracy:	non-specific area	
UTM:	Zone-11 N3667182 E469239				Elevation (ft):	10	
PLSS:	T12S, R04W, Sec. 08 (S)				Acres:	243.1	
Location:	AGUA HEDIONDA LAGOON, FROM MOUTH TO 1.0 MILE UPSTREAM, UPPER (EAST) END.						
Detailed Location:							
Ecological:							
General:	UMMZ #131809.						
Owner/Manager:	CITY OF CARLSBAD, OTHER						

Choeronycteris mexicana					Element Code: AMACB02010		
Mexican long-tongued bat							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3G4
	State:	None				State:	S1
	Other:	CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened					
Habitat:	General:	OCCASIONALLY FOUND IN SAN DIEGO COUNTY, WHICH IS ON THE PERIPHERY OF THEIR RANGE.					
	Micro:	FEEDS ON NECTAR AND POLLEN OF NIGHT-BLOOMING SUCCULENTS. ROOSTS IN RELATIVELY WELL-LIT CAVES, AND IN AND AROUND BUILDINGS.					

Occurrence No.	6	Map Index:	35062	EO Index:	59774	Element Last Seen:	1964-11-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1964-11-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-01-31
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04143 / -117.27993				Accuracy:	1 mile	
UTM:	Zone-11 N3655914 E473862				Elevation (ft):	300	
PLSS:	T13S, R04W (S)				Acres:	0.0	
Location:	ENCINITAS.						
Detailed Location:	EXACT LOCATION UNKNOWN. LOCATION ONLY GIVEN AS ENCINITAS. MAPPED IN THE GENERAL VICINTY OF ENCINITAS.						
Ecological:							
General:	ONE SPECIMEN COLLECTED 5 NOV 1964 BY G. ALLEN AT "ENCINATAS." DEPOSITED AT CAS #13271.						
Owner/Manager:	UNKNOWN						



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Leptonycteris yerbabuenae

Element Code: AMACB03030

lesser long-nosed bat

Listing Status:	Federal:	Delisted	CNDDB Element Ranks:	Global:	G3
	State:	None		State:	S1
	Other:	CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened			
Habitat:	General:	ARID REGIONS SUCH AS DESERT GRASSLANDS AND SHRUB LAND. SUITABLE DAY ROOSTS (CAVES, MINES) AND SUITABLE CONCENTRATIONS OF FOOD PLANTS (COLUMNAR CACTI, AGAVES) ARE CRITICAL RESOURCES. NO MATERNITY ROOSTS KNOWN FROM CALIFORNIA; MAY ONLY BE VAGRANT.			
	Micro:	CAVES AND MINES ARE USED AS DAY ROOSTS. CAVES, MINES, ROCK CREVICES, TREES AND SHRUBS, AND ABANDONED BUILDINGS ARE USED AS NIGHT ROOSTS FOR DIGESTING MEALS. NECTAR, POLLEN, AND FRUIT EATING BAT; PRIMARILY FEEDING ON AGAVES, SAGUARO, AND ORGAN PIPE CACTUS.			

Occurrence No.	2	Map Index:	27999	EO Index:	91933	Element Last Seen:	1996-10-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1996-10-18
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2013-11-16

Quad Summary: San Luis Rey (3311723), Oceanside (3311724)

County Summary: San Diego

Lat/Long:	33.19540 / -117.37726	Accuracy:	1 mile
UTM:	Zone-11 N3673012 E464835	Elevation (ft):	50
PLSS:	T11S, R05W, Sec. 26 (S)	Acres:	0.0

Location: OCEANSIDE; EXACT LOCATION UNKNOWN.

Detailed Location: DESCRIBED BY CONSTANTINE AS FOUND IN URBAN OCEANSIDE; THE BAT WAS OBSERVED HANGING UNDER A CANOPY OVER THE FRONT DOOR OF A BUSSINESS.

Ecological: BY TITLE CONSTANTINE SUGGESTS A RANGE EXTENSION, BUT THIS PROBABLY REPRESENTS A VAGRANT MALE OCCURRENCE DURING MIGRATION. THEY'RE ABLE TO MIGRATE FAR (1,000-1,600 KM) AND CAN COMMUTE 40-50 KM BETWEEN ROOST AND FORAGING SITES (FWS94R0002).

General: 1 MALE WAS OBSERVED & COLLECTED ON 18 OCT 1996 AROUND 9AM & DEPOSITED AT LACM. THE BAT WAS IN GOOD CONDITION: "...CONSIDERABLE DEPOSITS OF SUBCUTANEOUS FAT THROUGHOUT BUT ESPECIALLY IN THE NECK, INTERSCAPULAR, AND LEG BASE AREAS."

Owner/Manager: UNKNOWN

Myotis yumanensis

Element Code: AMACC01020

Yuma myotis

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5
	State:	None		State:	S4
	Other:	BLM_S-Sensitive, IUCN_LC-Least Concern			
Habitat:	General:	OPTIMAL HABITATS ARE OPEN FORESTS AND WOODLANDS WITH SOURCES OF WATER OVER WHICH TO FEED.			
	Micro:	DISTRIBUTION IS CLOSELY TIED TO BODIES OF WATER. MATERNITY COLONIES IN CAVES, MINES, BUILDINGS OR CREVICES.			



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Occurrence No.	125	Map Index:	68747	EO Index:	69228	Element Last Seen:	1995-04-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33133 / -117.33047				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688068 E469243				Elevation (ft):	110	
PLSS:	T10S, R04W, Sec. 05, SW (S)				Acres:	0.0	
Location:	CAMP PENDLETON, JUST WEST OF O'NEILL LAKE.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "SETTLING PONDS."						
Ecological:							
General:	FORAGING SITE. A FEW INDIVIDUALS DETECTED AT "SETTLING PONDS" ON 21 APR 1995.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	126	Map Index:	68748	EO Index:	69229	Element Last Seen:	1997-04-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33184 / -117.32335				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688122 E469907				Elevation (ft):	110	
PLSS:	T10S, R04W, Sec. 05, S (S)				Acres:	0.0	
Location:	CAMP PENDLETON, O'NEILL LAKE.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN.						
Ecological:							
General:	FORAGING SITE. A FEW BATS DETECTED ON 21 APR 1995. MANY DETECTED ON 13 JUN, FEW DETECTED ON 11, 13 & 14 OCT 1996. MANY DETECTED WITH A SONOGRAM AND 1 PREGNANT FEMALE CAPTURED WITH A MIST NET ON 15 & 16 APR 1997.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	128	Map Index:	68767	EO Index:	69255	Element Last Seen:	1996-07-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-07-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36220 / -117.32104				Accuracy:	1/10 mile	
UTM:	Zone-11 N3691487 E470132				Elevation (ft):	220	
PLSS:	T09S, R04W, Sec. 29, SE (S)				Acres:	0.0	
Location:	CAMP PENDLETON, SANTA MARGARITA RIVER, JUST EAST OF CONFLUENCE WITH DELUZ CREEK.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "SANTA MARGARITA RIVER."						
Ecological:							
General:	FORAGING SITE. MANY INDIVIDUALS DETECTED ON 15 OCT 1995. 1 INDIVIDUAL DETECTED ON 13 JAN & MANY INDIVIDUALS DETECTED WITH A SONOGRAM ON 28 JUL 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	131	Map Index:	68771	EO Index:	69263	Element Last Seen:	1996-05-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.37140 / -117.31999				Accuracy:	1/10 mile	
UTM:	Zone-11 N3692507 E470233				Elevation (ft):	310	
PLSS:	T09S, R04W, Sec. 29, NE (S)				Acres:	0.0	
Location:	CAMP PENDLETON, LAS FLORES, EAST OF CAMP DE LUZ.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "DELUZ CREEK."						
Ecological:							
General:	FORAGING SITE. A FEW INDIVIDUALS DETECTED ON 2 JUL 1995 AND ON 14 MAY 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	134	Map Index:	68776	EO Index:	69269	Element Last Seen:	1996-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27937 / -117.34726				Accuracy:	1/10 mile	
UTM:	Zone-11 N3682312 E467662				Elevation (ft):	210	
PLSS:	T10S, R04W, Sec. 30, W (S)				Acres:	0.0	
Location:	CAMP PENDLETON, ABOUT 1.3 MILES SE OF CHAPPO, PUEBLITOS CANYON.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "PUEBLITO CANYON POOLS."						
Ecological:							
General:	FORAGING SITE. A FEW INDIVIDUALS DETECTED ON 29 JUL 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	136	Map Index:	68778	EO Index:	69275	Element Last Seen:	1996-10-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-10-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33750 / -117.33104				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688752 E469193				Elevation (ft):	120	
PLSS:	T10S, R04W, Sec. 05, W (S)				Acres:	0.0	
Location:	CAMP PENDLETON, WEST OF O'NEILL LAKE, VICINITY OF SANTA MARGARITA RIVER.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCES GIVES LOCALITY AS "SANTA MARGARITA RIVER HOSPITAL."						
Ecological:							
General:	FORAGING SITE. A FEW DETECTED WITH A SONOGRAM ON 29 JUL 1996. MANY DETECTED ON 11 OCT 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	138	Map Index:	68781	EO Index:	69279	Element Last Seen:	1997-02-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-02-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33350 / -117.34430				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688312 E467957				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 06, SW (S)				Acres:	0.0	
Location:	CAMP PENDLETON, WEST OF O'NEILL LAKE, EAST OF BASILONE RD, TRAINING TOWN.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCES GIVES LOCALITY AS "TRAINING TOWN."						
Ecological:							
General:	NIGHT ROOST SITE. 2 DEAD INDIVIDUALS FOUND AND A FEW INDIVIDUALS OBSERVED VISUALLY ON 9 FEB 1997.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	214	Map Index:	71960	EO Index:	72899	Element Last Seen:	2003-09-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-09-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-12-22
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99957 / -117.20554				Accuracy:	1/10 mile	
UTM:	Zone-11 N3651258 E480798				Elevation (ft):	30	
PLSS:	T13S, R03W, Sec. 32 (S)				Acres:	0.0	
Location:	FAIRBANKS RANCH, JUST E OF THE JUNCTION OF COUNTY HWY S8 & EL APAJO RD, S OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	EPTESICUS FUSCUS, EUMOPS PEROTIS, NYCTINOMOPS FEMOROSACCUS & TADARIDA BRASILIENSIS ALSO FOUND HERE.						
General:	BATS CAPTURED IN MIST NETS ON 6 AUG AND DETECTED WITH ANABAT DETECTOR ON 11 JUN, 6 AUG & 25 SEP 2003 DURING FORAGING BAT SURVEYS. 1 MIST NET CAPTURE MAY HAVE BEEN A YOY.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	251	Map Index:	71872	EO Index:	73803	Element Last Seen:	2002-07-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-07-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-11-19
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00055 / -117.10370				Accuracy:	1/10 mile	
UTM:	Zone-11 N3651353 E490312				Elevation (ft):	530	
PLSS:	T13S, R02W, Sec. 32 (S)				Acres:	0.0	
Location:	LUSARDI CREEK, 4S RANCH, LA JOLLA VALLEY, 0.17 MI SE OF THE JUNCTION OF BERNARDO CENTER DR & DOVE CANYON RD.						
Detailed Location:	MAPPED ACCORDING TO LOCATION IN BIOS NOT COORDINATES PROVIDED IN TABLE.						
Ecological:	LUSARDI CREEK IS DAMMED AT 2 POINTS CREATING 2 PONDS, RUSHES SURROUND THE EDGES. RIPARIAN AREAS CONSIST OF WILLOW, ELDERBERRY, AND LAUREL SUMAC. NON-NATIVES INCLUDE FAN PALM, TAMARISK, AND FENNEL.						
General:	DETECTED WITH ANABAT DETECTOR ON 23 JUL 2002 DURING A FORAGING BAT SURVEY. EUMOPS PEROTIS, NYCTINOMOPS MACROTIS & TADARIDA BRASILIENSIS ALSO FOUND.						
Owner/Manager:	SDG COUNTY						

<i>Lasiurus cinereus</i>					Element Code: AMACC05032		
hoary bat							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3G4
	State:	None				State:	S4
	Other:	IUCN_LC-Least Concern					
Habitat:	General:	PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER AND OPEN AREAS OR HABITAT EDGES FOR FEEDING.					
	Micro:	ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.					

Occurrence No.	102	Map Index:	68534	EO Index:	68865	Element Last Seen:	1939-05-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1939-05-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-03-19
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29014 / -117.22399				Accuracy:	1 mile	
UTM:	Zone-11 N3683475 E479144				Elevation (ft):		
PLSS:	T10S, R03W, Sec. 20 (S)				Acres:	0.0	
Location:	NEAR BONSTALL.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 1662.4 M.						
Ecological:							
General:	1 FEMALE SPECIMEN (MVZ #86085) COLLECTED BY JOSEPH S. DIXON AND WARD C. RUSSELL ON 26 MAY 1939.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	103	Map Index:	04194	EO Index:	68866	Element Last Seen:	1966-12-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1966-12-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-03-19
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):		
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	MAPPED TO INCLUDE LAT/LONG COORDINATES PROVIDED BY MANIS; ONE PAIR OF COORDINATES HAS UNCERTAINTY OF 10000 M.						
Ecological:							
General:	1 MALE SPECIMEN (KU #45644) COLLECTED BY B. BAIELY ON 19 SEP 1929. 1 MALE SPECIMEN (CAS #6637) COLL BY B. BAILEY 10 JUL 1930. CAS #10719 COLL BY J.B. DIXON 14 FEB 1953. 2 MALE SPECIMENS (UWBM #62344 & 63244) COLL BY L.S. BOOTH 4 DEC 1966.						
Owner/Manager:	UNKNOWN						

Occurrence No.	106	Map Index:	68535	EO Index:	68869	Element Last Seen:	1933-12-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1933-12-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-03-19
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14329 / -117.20882				Accuracy:	1 mile	
UTM:	Zone-11 N3667192 E480523				Elevation (ft):		
PLSS:	T12S, R03W, Sec. 08 (S)				Acres:	0.0	
Location:	SAN MARCOS.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 321.8688 M.						
Ecological:							
General:	2 MALES (MVZ #71585-71586) COLLECTED BY BERNARD BAIELY AND WARD C. RUSSELL ON 28 NOV 1933 AND 15 DEC 1933.						
Owner/Manager:	UNKNOWN						

Occurrence No.	108	Map Index:	58929	EO Index:	68871	Element Last Seen:	1990-11-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-11-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-03-19
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20553 / -117.22890				Accuracy:	1 mile	
UTM:	Zone-11 N3674096 E478666				Elevation (ft):		
PLSS:	T11S, R03W, Sec. 19 (S)				Acres:	0.0	
Location:	VISTA.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 3859.2069 M.						
Ecological:							
General:	1 FEMALE SPECIMEN (MVZ #182415) COLLECTED BY WILLIAM E. RAINEY ON 13 NOV 1990.						
Owner/Manager:	UNKNOWN						



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Lasiurus xanthinus

Element Code: AMACC05070

western yellow bat

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G4G5

State: None

State: S3

Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern

Habitat: **General:** FOUND IN VALLEY FOOTHILL RIPARIAN, DESERT RIPARIAN, DESERT WASH, AND PALM OASIS HABITATS.

Micro: ROOSTS IN TREES, PARTICULARLY PALMS. FORAGES OVER WATER AND AMONG TREES.

Occurrence No.	43	Map Index:	47539	EO Index:	58954	Element Last Seen:	1985-09-04
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1985-09-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-12-21	

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.16131 / -117.34894	Accuracy:	1 mile
UTM:	Zone-11 N3669224 E467463	Elevation (ft):	50
PLSS:	T12S, R05W, Sec. 01 (S)	Acres:	0.0

Location: CARLSBAD.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED IN THE VICINTY OF CARLSBAD.

Ecological:

General: ONE FEMALE SPECIMEN COLLECTED 4 SEP 1985 BY D. CONSTANTINE AT "CARLSBAD." DEPOSITED AT MVZ #181948.

Owner/Manager: UNKNOWN

Occurrence No.	45	Map Index:	04194	EO Index:	58956	Element Last Seen:	1984-02-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1984-02-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-12-21	

Quad Summary: Escondido (3311711), Valley Center (3311721)

County Summary: San Diego

Lat/Long:	33.11476 / -117.07809	Accuracy:	1 mile
UTM:	Zone-11 N3664012 E492714	Elevation (ft):	700
PLSS:	T12S, R02W, Sec. 22 (S)	Acres:	0.0

Location: ESCONDIDO.

Detailed Location: EXACT LOCATION NOT KNOWN. MAPPED IN THE GENERAL VICINTY OF ESCONDIDO.

Ecological:

General: 1 FEMALE SPECIMEN COLLECTED 24 FEB 1984 BY D. CONSTANTINE AT "ESCONDIDO." DEPOSITED AT MVZ #181951.

Owner/Manager: UNKNOWN



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Occurrence No.	50	Map Index:	58929	EO Index:	58965	Element Last Seen:	1998-04-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1998-04-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2004-12-21		
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20553 / -117.22890			Accuracy:	1 mile		
UTM:	Zone-11 N3674096 E478666			Elevation (ft):	500		
PLSS:	T11S, R03W, Sec. 19 (S)			Acres:	0.0		
Location:	VISTA, SAN DIEGO COUNTY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED IN THE VICINTY OF VISTA. LOCATION UNCERTAINTY GIVEN AS 2.4 TO 3.4 MILES.						
Ecological:							
General:	ONE MALE SPECIMEN COLLECTED 28 APR 1998 (MVZ #200039), ANOTHER MALE COLLECTED 1 OCT 1976 (MVZ #181958). BOTH COLLECTED AT "VISTA" BY D. CONSTANTINE.						
Owner/Manager:	UNKNOWN						



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Corynorhinus townsendii

Element Code: AMACC08010

Townsend's big-eared bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: None **State:** S2
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive
Habitat: **General:** THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.
Micro: ROOSTS IN THE OPEN, HANGING FROM WALLS AND CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.

Occurrence No. 289 **Map Index:** 04194 **EO Index:** 93148 **Element Last Seen:** 1932-03-05
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1932-03-05
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2014-04-15

Quad Summary: Escondido (3311711), Valley Center (3311721)

County Summary: San Diego

Lat/Long: 33.11476 / -117.07809 **Accuracy:** 1 mile
UTM: Zone-11 N3664012 E492714 **Elevation (ft):** 700
PLSS: T12S, R02W, Sec. 22 (S) **Acres:** 0.0

Location: ESCONDIDO.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED GENERALLY TO PROVIDED LOCALITY "ESCONDIDO."

Ecological:

General: 1 MALE COLLECTED ON 18 JUL 1929 BY B. BAILEY (KU #45648). 2 MALES COLLECTED ON 3 JUL 1931 BY B. BAILEY (MVZ #71621,71622). 1 MALE COLLECTED ON 5 MAR 1932 BY B. BAILEY (KU #9421).

Owner/Manager: UNKNOWN

Occurrence No. 290 **Map Index:** 92064 **EO Index:** 93149 **Element Last Seen:** 1930-02-04
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1930-02-04
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2014-04-15

Quad Summary: San Marcos (3311722)

County Summary: San Diego

Lat/Long: 33.14180 / -117.17040 **Accuracy:** 1 mile
UTM: Zone-11 N3667020 E484107 **Elevation (ft):** 580
PLSS: T12S, R03W, Sec. 11 (S) **Acres:** 0.0

Location: SAN MARCOS.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED GENERALLY TO PROVIDED LOCALITY "SAN MARCOS."

Ecological:

General: 2 MALES COLLECTED IN 1929 AND 1 MALE COLLECTED IN 1930 BY B. BAILEY (UNIVERSITY OF KANSAS NATURAL HISTORY MUSEUM #45645-45647).

Owner/Manager: UNKNOWN

Antrozous pallidus

Element Code: AMACC10010

pallid bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: None **State:** S3
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive
Habitat: **General:** DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS AND FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.
Micro:



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ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

Occurrence No.	266	Map Index:	04194	EO Index:	66733	Element Last Seen:	1968-04-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1968-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-23
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	1610	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	MAPPED ACCORDING TO LOCALITY DESCRIPTION, AS THE COORDINATES GIVEN IN MANIS ARE AT NE OF SAN PASQUAL VALLEY.						
Ecological:							
General:	1 FEMALE SPECIMEN COLLECTED BY L.S. BOOTH ON 17 APR 1968, UWBM #61993.						
Owner/Manager:	UNKNOWN						

Occurrence No.	267	Map Index:	66595	EO Index:	66734	Element Last Seen:	1946-08-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1946-08-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-23
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.34891 / -117.24097				Accuracy:	1/5 mile	
UTM:	Zone-11 N3689994 E477578				Elevation (ft):	530	
PLSS:	T09S, R03W, Sec. 31, SW (S)				Acres:	0.0	
Location:	FALLBROOK, FALLBROOK HIGH SCHOOL.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 80.4672 M.						
Ecological:							
General:	1 FEMALE SPECIMEN COLLECTED BY PHILLIP H. KRUTZSCH ON 8 JUL 1946, MVZ #106007.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	272	Map Index:	66605	EO Index:	66744	Element Last Seen:	1949-09-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1949-09-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-10-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23254 / -117.31868				Accuracy:	1/5 mile	
UTM:	Zone-11 N3677112 E470307				Elevation (ft):	90	
PLSS:	T11S, R04W, Sec. 08, SW (S)				Acres:	0.0	
Location:	MISSION SAN LUIS REY.						
Detailed Location:							
Ecological:							
General:	3 FEMALE SPECIMENS COLLECTED 28 AUG 1949, KU #150289, ROM #21464, 78630, 5 FEMALE SPECIMENS COLLECTED 1 SEP 1949, ROM #29505-29507, KU #150290 BY L.M. WHITELOCH AND A SCHWARTZ.						
Owner/Manager:	UNKNOWN						

Occurrence No.	351	Map Index:	68781	EO Index:	69280	Element Last Seen:	1997-02-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-02-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33350 / -117.34430				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688312 E467957				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 06, SW (S)				Acres:	0.0	
Location:	CAMP PENDLETON, WEST OF O'NEILL LAKE, EAST OF BASILONE RD, TRAINING TOWN.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCES GIVES LOCALITY AS "TRAINING TOWN."						
Ecological:							
General:	NIGHT ROOST SITE. GUANO FOUND AND A FEW INDIVIDUALS AUDIBLY DETECTED ON 9 FEB 1997.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Eumops perotis californicus</i>				Element Code: AMACD02011			
western mastiff bat							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G4G5T4
	State:	None				State:	S3S4
	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern					
Habitat:	General:	MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.					
	Micro:	ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.					



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Occurrence No.	32	Map Index:	43277	EO Index:	43277	Element Last Seen:	1996-10-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-10-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2000-07-24
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.25361 / -117.11700				Accuracy:	1/5 mile	
UTM:	Zone-11 N3679408 E489102				Elevation (ft):	1100	
PLSS:	T11S, R02W, Sec. 05, NW (S)				Acres:	0.0	
Location:	NORTH RIDGE OF MOOSA CANYON, 8 MILES SSW OF PALA.						
Detailed Location:	LARGEST KNOWN ROOST FOR THIS SPECIES IN SOUTHERN CALIFORNIA.						
Ecological:	HABITAT CONSISTS OF A SOUTH-FACING ROCKY OUTCROP, NEAR THE RIDGE TOP; SURROUNDED BY COASTAL SCRUB VEGETATION. NYCTINOMOPS SP ALSO PRESENT IN LESSER NUMBERS THAN EUMOPS.						
General:	38 DETECTED FROM 6+ CREVICES, 4 OCT 1996.						
Owner/Manager:	PVT						

Occurrence No.	88	Map Index:	66327	EO Index:	66420	Element Last Seen:	1933-03-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1933-03-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-26
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06412 / -117.12957				Accuracy:	1/5 mile	
UTM:	Zone-11 N3658403 E487904				Elevation (ft):		
PLSS:	T13S, R02W, Sec. 07 (S)				Acres:	0.0	
Location:	NEAR ESCONDIDO, LAKE HODGES.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 160.9344 M.						
Ecological:							
General:	1 FEMALE SPECIMEN COLLECTED BY BERNARD BAILEY ON 5 MAR 1933, MVZ #71735.						
Owner/Manager:	UNKNOWN						

Occurrence No.	201	Map Index:	68748	EO Index:	69230	Element Last Seen:	1997-04-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33184 / -117.32335				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688122 E469907				Elevation (ft):	110	
PLSS:	T10S, R04W, Sec. 05, S (S)				Acres:	0.0	
Location:	CAMP PENDLETON, O'NEILL LAKE.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN.						
Ecological:							
General:	FORAGING SITE. 1 BAT DETECTED ACOUSTICALLY ON 14 OCT 1995. MANY BATS DETECTED ACOUSTICALLY ON 12 MAY 1996. FEW BATS DETECTED ACOUSTICALLY ON 16 APR 1997.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	203	Map Index:	68767	EO Index:	69253	Element Last Seen:	1996-07-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1996-07-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2007-04-11		
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36220 / -117.32104			Accuracy:	1/10 mile		
UTM:	Zone-11 N3691487 E470132			Elevation (ft):	220		
PLSS:	T09S, R04W, Sec. 29, SE (S)			Acres:	0.0		
Location:	CAMP PENDLETON, SANTA MARGARITA RIVER, JUST EAST OF CONFLUENCE WITH DELUZ CREEK.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "SANTA MARGARITA RIVER."						
Ecological:							
General:	FORAGING SITE. MANY INDIVIDUALS DETECTED ACOUSTICALLY ON 29 JUN, 3 INDIVIDUALS DETECTED ACOUSTICALLY ON 15 OCT 1995. 1 INDIVIDUAL DETECTED ACOUSTICALLY ON 12 MAY, 3 INDIVIDUALS DETECTED ACOUSTICALLY ON 28 JUL 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	206	Map Index:	68771	EO Index:	69262	Element Last Seen:	1996-05-14
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1996-05-14		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2007-04-11		
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.37140 / -117.31999			Accuracy:	1/10 mile		
UTM:	Zone-11 N3692507 E470233			Elevation (ft):	310		
PLSS:	T09S, R04W, Sec. 29, NE (S)			Acres:	0.0		
Location:	CAMP PENDLETON, LAS FLORES, EAST OF CAMP DE LUZ.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "DELUZ CREEK."						
Ecological:							
General:	FORAGING SITE. MANY INDIVIDUALS DETECTED ACOUSTICALLY ON 2 JUL 1995. 4 INDIVIDUALS DETECTED ACOUSTICALLY ON 14 MAY 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	209	Map Index:	68778	EO Index:	69276	Element Last Seen:	1996-10-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-10-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33750 / -117.33104				Accuracy:	1/10 mile	
UTM:	Zone-11 N3688752 E469193				Elevation (ft):	120	
PLSS:	T10S, R04W, Sec. 05, W (S)				Acres:	0.0	
Location:	CAMP PENDLETON, WEST OF O'NEILL LAKE, VICINITY OF SANTA MARGARITA RIVER.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCES GIVES LOCALITY AS "SANTA MARGARITA RIVER HOSPITAL."						
Ecological:							
General:	FORAGING SITE. 4 INDIVIDUALS DETECTED ACOUSTICALLY ON 11 OCT 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	277	Map Index:	71960	EO Index:	73081	Element Last Seen:	2003-08-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-08-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-09-04
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99957 / -117.20554				Accuracy:	1/10 mile	
UTM:	Zone-11 N3651258 E480798				Elevation (ft):	30	
PLSS:	T13S, R03W, Sec. 32 (S)				Acres:	0.0	
Location:	FAIRBANKS RANCH, JUST E OF THE JUNCTION OF COUNTY HWY S8 & EL APAJO RD, S OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	EPTESICUS FUSCUS, MYOTIS YUMANENSIS, NYCTINOMOPS FEMOROSACCUS & TADARIDA BRASILIENSIS ALSO FOUND HERE.						
General:	BATS DETECTED AUDIBLY ON 11 JUN & 6 AUG 2003 DURING FORAGING BAT SURVEYS.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	278	Map Index:	71872	EO Index:	73082	Element Last Seen:	2002-07-23	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	2002-07-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	2008-09-04
Quad Summary:	Poway (3211781), Escondido (3311711)							
County Summary:	San Diego							
Lat/Long:	33.00055 / -117.10370				Accuracy:	1/10 mile		
UTM:	Zone-11 N3651353 E490312				Elevation (ft):	530		
PLSS:	T13S, R02W, Sec. 32 (S)				Acres:	0.0		
Location:	LUSARDI CREEK, 4S RANCH, LA JOLLA VALLEY, 0.17 MI SE OF THE JUNCTION OF BERNARDO CENTER DR & DOVE CANYON RD.							
Detailed Location:	MAPPED ACCORDING TO LOCATION IN BIOS NOT COORDINATES PROVIDED IN TABLE.							
Ecological:	LUSARDI CREEK IS DAMMED AT 2 POINTS CREATING 2 PONDS, RUSHES SURROUND THE EDGES. RIPARIAN AREAS CONSIST OF WILLOW, ELDERBERRY, AND LAUREL SUMAC. NON-NATIVES INCLUDE FAN PALM, TAMARISK, AND FENNEL.							
General:	BAT DETECTED AUDIBLY & WITH ANABAT DETECTOR 23 JUL 2002 DURING A FORAGING BAT SURVEY. MYOTIS YUMANENSIS, NYCTINOMOPS MACROTIS & TADARIDA BRASILIENSIS ALSO FOUND.							
Owner/Manager:	SDG COUNTY							

Nyctinomops femorosaccus					Element Code: AMACD04010	
pocketed free-tailed bat						
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global: G5
	State:	None				State: S3
	Other:	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern				
Habitat:	General:	VARIETY OF ARID AREAS IN SOUTHERN CALIFORNIA; PINE-JUNIPER WOODLANDS, DESERT SCRUB, PALM OASIS, DESERT WASH, DESERT RIPARIAN, ETC.				
	Micro:	ROCKY AREAS WITH HIGH CLIFFS.				

Occurrence No.	25	Map Index:	47539	EO Index:	68726	Element Last Seen:	1986-10-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-10-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-03-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16131 / -117.34894				Accuracy:	1 mile	
UTM:	Zone-11 N3669224 E467463				Elevation (ft):	50	
PLSS:	T12S, R05W, Sec. 01 (S)				Acres:	0.0	
Location:	CARLSBAD.						
Detailed Location:	INCLUDES LAT/LONG COORDINATES 33.15808, -117.3521 WITH UNCERTAINTY OF 321.8688 M (0.2 MI).						
Ecological:							
General:	1 FEMALE SPECIMEN (MVZ #181968) COLLECTED AT "CARLSBAD" BY DENNY G. CONSTANTINE ON 1 OCT 1986.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	29	Map Index:	35062	EO Index:	68730	Element Last Seen:	1988-10-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1988-10-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-08-18
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04143 / -117.27993				Accuracy:	1 mile	
UTM:	Zone-11 N3655914 E473862				Elevation (ft):	50	
PLSS:	T13S, R04W (S)				Acres:	0.0	
Location:	ENCINITAS.						
Detailed Location:	INCLUDES LAT/LONG COORDINATES 32.79177, -116.9567 WITH UNCERTAINTY OF 321.8688 M, PROVIDED BY MANIS.						
Ecological:							
General:	1 FEMALE SPECIMEN (MVZ #181973) COLLECTED BY DENNY G. CONSTANTINE ON 1 OCT 1986. 1 FEMALE SPECIMEN (MVZ #182479) COLLECTED BY WILLIAM E. RAINEY ON 31 OCT 1988. BOTH COLLECTED AT "ENCINITAS."						
Owner/Manager:	UNKNOWN						

Occurrence No.	30	Map Index:	04194	EO Index:	68731	Element Last Seen:	1988-10-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1988-10-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-03-14
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	INCLUDES LAT/LONG COORDINATES 33.119, -117.086 WITH UNCERTAINTY OF 1000 M (0.6 MI), PROVIDED BY MANIS.						
Ecological:							
General:	1 MALE SPECIMEN (MVZ #182480) COLLECTED AT "ESCONDIDO" BY WILLIAM E. RAINEY ON 10 OCT 1988.						
Owner/Manager:	UNKNOWN						

Occurrence No.	40	Map Index:	68767	EO Index:	69256	Element Last Seen:	1996-07-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-07-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36220 / -117.32104				Accuracy:	1/10 mile	
UTM:	Zone-11 N3691487 E470132				Elevation (ft):	220	
PLSS:	T09S, R04W, Sec. 29, SE (S)				Acres:	0.0	
Location:	CAMP PENDLETON, SANTA MARGARITA RIVER, JUST EAST OF CONFLUENCE WITH DELUZ CREEK.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE, DATUM NOT GIVEN. SOURCE GIVES LOCALITY AS "SANTA MARGARITA RIVER."						
Ecological:							
General:	FORAGING SITE. 1 INDIVIDUAL DETECTED WITH A SONOGRAM ON 28 JUL 1996.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	62	Map Index:	71960	EO Index:	72857	Element Last Seen:	2003-09-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2003-09-25	Record Last Updated:	2008-09-04
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99957 / -117.20554			Accuracy:	1/10 mile		
UTM:	Zone-11 N3651258 E480798			Elevation (ft):	30		
PLSS:	T13S, R03W, Sec. 32 (S)			Acres:	0.0		
Location:	FAIRBANKS RANCH, JUST E OF THE JUNCTION OF COUNTY HWY S8 & EL APAJO RD, S OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	EPTESICUS FUSCUS, EUMOPS PEROTIS, MYOTIS YUMANENSIS & TADARIDA BRASILIENSIS ALSO FOUND HERE.						
General:	BATS DETECTED WITH ANABAT DETECTOR ON 25 SEP 2003 DURING A FORAGING BAT SURVEY."ID HIGH" NOTED.						
Owner/Manager:	SDG COUNTY						



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Nyctinomops macrotis

Element Code: AMACD04020

big free-tailed bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S3
Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern
Habitat: **General:** LOW-LYING ARID AREAS IN SOUTHERN CALIFORNIA.
Micro: NEED HIGH CLIFFS OR ROCKY OUTCROPS FOR ROOSTING SITES. FEEDS PRINCIPALLY ON LARGE MOTHS.

Occurrence No. 12 **Map Index:** 04194 **EO Index:** 59588 **Element Last Seen:** 1988-12-06
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1988-12-06
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-01-24

Quad Summary: Escondido (3311711), Valley Center (3311721)

County Summary: San Diego

Lat/Long: 33.11476 / -117.07809 **Accuracy:** 1 mile
UTM: Zone-11 N3664012 E492714 **Elevation (ft):** 650
PLSS: T12S, R02W, Sec. 22 (S) **Acres:** 0.0

Location: ESCONDIDO.

Detailed Location: EXACT LOCATION UNKNOWN. LOCATION ONLY GIVEN AS ESCONDIDO. LAT / LONG COORDINATES PROVIDED BY MANIS FALL WITHIN THIS CIRCLE AND HAVE AN UNCERTAINTY OF 1000 METERS (ABOUT 0.63 MILES).

Ecological:

General: ONE FEMALE SPECIMEN COLLECTED 6 DEC 1988 BY W. RAINEY AT "ESCONDIDO." DEPOSITED AT MVZ #182482.

Owner/Manager: UNKNOWN

Occurrence No. 29 **Map Index:** 71872 **EO Index:** 72744 **Element Last Seen:** 2002-07-23
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2002-07-23
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2008-09-04

Quad Summary: Poway (3211781), Escondido (3311711)

County Summary: San Diego

Lat/Long: 33.00055 / -117.10370 **Accuracy:** 1/10 mile
UTM: Zone-11 N3651353 E490312 **Elevation (ft):** 530
PLSS: T13S, R02W, Sec. 32 (S) **Acres:** 0.0

Location: LUSARDI CREEK, 4S RANCH, LA JOLLA VALLEY, 0.17 MI SE OF THE JUNCTION OF BERNARDO CENTER DR & DOVE CANYON RD.

Detailed Location: MAPPED ACCORDING TO LOCATION IN BIOS NOT COORDINATES PROVIDED IN TABLE.

Ecological: LUSARDI CREEK IS DAMMED AT 2 POINTS CREATING 2 PONDS, RUSHES SURROUND THE EDGES. RIPARIAN AREAS CONSIST OF WILLOW, ELDERBERRY, AND LAUREL SUMAC. NON-NATIVES INCLUDE FAN PALM, TAMARISK, AND FENNEL.

General: BAT DETECTED AUDIBLY 23 JUL 2002 DURING A FORAGING BAT SURVEY. LOW ID, COULD BE EUMOPS PEROTIS FLYING LOW. EUMOPS PEROTIS, MYOTIS YUMANENSIS, & TADARIDA BRASILIENSIS ALSO FOUND.

Owner/Manager: SDG COUNTY

Lepus californicus bennettii

Element Code: AMAEB03051

San Diego black-tailed jackrabbit

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5T3T4
State: None **State:** S3S4
Other:
Habitat: **General:** INTERMEDIATE CANOPY STAGES OF SHRUB HABITATS AND OPEN SHRUB / HERBACEOUS AND TREE / HERBACEOUS EDGES.



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Micro: COASTAL SAGE SCRUB HABITATS IN SOUTHERN CALIFORNIA.							
Occurrence No.	31	Map Index:	51467	EO Index:	51467	Element Last Seen:	1999-03-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-03-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.12887 / -117.28794			Accuracy:	specific area		
UTM:	Zone-11 N3665610 E473140			Elevation (ft):	320		
PLSS:	T12S, R04W, Sec. 15 (S)			Acres:	12.6		
Location:	JUST NORTH OF THE WEST END OF PALOMAR AIRPORT, SE CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB (ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM) AND NATIVE GRASSLAND WITH SOME SOUTHERN MARITIME CHAPARRAL (ADENOSTOMA FASCICULATUM) AND SAN DIEGO MESA CLAYPAN VERNAL POOL COMMUNITIES.						
General:	UNKNOWN NUMBER OBSERVED (3 LOCATIONS) BETWEEN 16 FEB AND 2 MAR 1999 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						
Occurrence No.	32	Map Index:	51480	EO Index:	51480	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19511 / -117.36478			Accuracy:	non-specific area		
UTM:	Zone-11 N3672976 E465999			Elevation (ft):	100		
PLSS:	T11S, R05W, Sec. 25, NW (S)			Acres:	20.4		
Location:	EAST OF I-5 AND 0.2 - 0.5 MILE NORTH OF THE OCEANSIDE BLVD EXIT, OCEANSIDE.						
Detailed Location:	SOUTH OF THE OCEANSIDE SENIOR CENTER.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB (ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, BACCHARIS PILULARIS, BACCHARIS SAROTHOIDES), SOUTHERN WILLOW SCRUB (SALIX SPP., POPULUS FREMONTII, SYCAMORE), ALKALI MEADOW AND DISTURBED AREAS.						
General:	UNKNOWN NUMBER OBSERVED ON SITE BETWEEN 16 MAY AND 30 JUL 2001.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	38	Map Index:	53840	EO Index:	53842	Element Last Seen:	2000-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06159 / -117.04466				Accuracy:	non-specific area	
UTM:	Zone-11 N3658116 E495830				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 12, NW (S)				Acres:	64.6	
Location:	APPROXIMATELY 1.5 MILES EAST OF I-15 AND NORTH OF LAKE HODGES, ESCONDIDO.						
Detailed Location:	SITE "B" OF PROPOSED MHCP HABITAT AQUISITION PROJECT.						
Ecological:	HABITAT ON SITE CONSISTS OF COASTAL SAGE SCRUB, GRASSLAND, MEXICAN ELDERBERRY SAVANNA, MULEFAT SCRUB AND DISTURBED AREAS.						
General:	DROPPINGS OF SPECIES OBSERVED THROUGHOUT THE MORE OPEN AREAS OF COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND.						
Owner/Manager:	UNKNOWN, PVT						

Occurrence No.	66	Map Index:	61565	EO Index:	61601	Element Last Seen:	2003-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2003-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10211 / -117.12999				Accuracy:	1/10 mile	
UTM:	Zone-11 N3662615 E487870				Elevation (ft):	670	
PLSS:	T12S, R02W, Sec. 30 (S)				Acres:	0.0	
Location:	0.5 MILE NE OF HARMONY GROVE.						
Detailed Location:	SCAT FOUND IN THE DIEGAN COASTAL SAGE SCRUB.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB REMNANT IN AN AREA CONTAINING 2 EGG RANCHES, A DAIRY & AN ORCHARD.						
General:	JACKRABBIT SCAT OBSERVED ON 10 JUL 2003.						
Owner/Manager:	UNKNOWN						



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Perognathus longimembris pacificus

Element Code: AMAFD01042

Pacific pocket mouse

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G5T2

State: None

State: S2

Other: CDFW_SSC-Species of Special Concern

Habitat: **General:** INHABITS THE NARROW COASTAL PLAINS FROM THE MEXICAN BORDER NORTH TO EL SEGUNDO, LOS ANGELES COUNTY.

Micro: SEEMS TO PREFER SOILS OF FINE ALLUVIAL SANDS NEAR THE OCEAN, BUT MUCH REMAINS TO BE LEARNED.

Occurrence No. 7 **Map Index:** 20014 **EO Index:** 9277 **Element Last Seen:** 1989-06-13
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2002-05-18
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2004-02-24

Quad Summary: Rancho Santa Fe (3311712), Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.02726 / -117.25144 **Accuracy:** non-specific area

UTM: Zone-11 N3654337 E476518 **Elevation (ft):** 200

PLSS: T13S, R04W, Sec. 24 (S) **Acres:** 465.9

Location: EAST SIDE OF LUX CANYON, NEAR MANCHESTER AVE, NORTH OF SAN ELIJO LAGOON, ENCINITAS.

Detailed Location: SITE IS ADJACENT TO AN EXTENSIVE ALLUVIAL AREA AT THE HEAD OF SAN ELIJO LAGOON. 2002: TRAPS SET IN PROPOSED DEVELOPMENT AREA, SE FACING SLOPE (SE 1/4 OF T13S, R4W, SECT 24).

Ecological: CAPTURE SITE CONSISTS OF SANDY SOIL ON A MARINE TERRACE. PEROMYSCUS CALIFORNICUS, P. ERMICUS, P. MANICULATUS, AND PEROGNATHUS FALLAX ALSO CAPTURED AT THIS SITE. 2002: HABITAT CONSIDERED HIGH QUALITY, 4 OTHER SMALL MAMMAL SP. WERE TRAPPED.

General: 1989: ONE CAPTURED IN 50 TRAP-NIGHTS. OBSERVER REFERS TO CAPTURED MOUSE AS "SMALL AND PALE," WHICH IS SUGGESTIVE OF PACIFIC POCKET MOUSE, BUT NOW CONSIDERS RECORD "PROBABLE." 2002: 5/14-18/2002, ZERO CAUGHT IN 950 TRAP NIGHTS.

Owner/Manager: UNKNOWN, PVT

Dipodomys stephensi

Element Code: AMAFD03100

Stephens' kangaroo rat

Listing Status: **Federal:** Threatened

CNDDDB Element Ranks: **Global:** G2

State: Threatened

State: S3

Other: IUCN_VU-Vulnerable

Habitat: **General:** PRIMARILY ANNUAL AND PERENNIAL GRASSLANDS, BUT ALSO OCCURS IN COASTAL SCRUB AND SAGEBRUSH WITH SPARSE CANOPY COVER.

Micro: PREFERS BUCKWHEAT, CHAMISE, BROME GRASS AND FILAREE. WILL BURROW INTO FIRM SOIL.



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Occurrence No.	8	Map Index:	03470	EO Index:	13448	Element Last Seen:	2008-07-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-07-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-07-26
Quad Summary:	Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34068 / -117.28520				Accuracy:	non-specific area	
UTM:	Zone-11 N3689092 E473460				Elevation (ft):	600	
PLSS:	T10S, R04W, Sec. 03 (S)				Acres:	5477.6	
Location:	SOUTHWEST OF FALLBROOK AND NORTHEAST OF CAMP PENDLETON MCB, SEAL BEACH NWS (FALLBROOK ANNEX).						
Detailed Location:	MULTIPLE LOCATIONS THROUGHOUT THE MAPPED AREA. COLLECTIONS FROM 1972, 1973, 1980, 1981, 1983, 1984, 1991, 1993, FEW SITES MORE SPECIFIC THAN 1/4 OF 1/4 SEC. 1998: SEC 27, 28 (FALLBROOK WEAPONS ANNEX). 2000: SEC 11, 12.						
Ecological:	HAPLOPAPUS ASSOCIATION OF COASTAL SAGE SCRUB, GRASSLAND. PREFERRED HABITAT TOPOGRAPHY IS FLAT TO GENTLY SLOPING.						
General:	MANY SPECIMENS FROM 1972 IN LACM. 1 ON DEC '80. 4 ON JUL '81. 26 TRAPPED FEB-JUN '83. '93 RELOCATION PROJECT=LOW TRAPPING SUCCESS. 5 ADULTS 7-10 NOV '98. SPECIES DETECTED 9 MAR 2000. NO SKR ALONG AMMO RD. MAR-APR '04. 15 INDV'S 14 JULY '08.						
Owner/Manager:	DOD-SEAL BEACH NWS						
Occurrence No.	22	Map Index:	03471	EO Index:	24002	Element Last Seen:	1973-08-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-10-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-01-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22391 / -117.29975				Accuracy:	1 mile	
UTM:	Zone-11 N3676150 E472069				Elevation (ft):	340	
PLSS:	T11S, R04W, Sec. 16 (S)				Acres:	0.0	
Location:	3.2 KM EAST AND 1.0 KM SOUTH OF MISSION SAN LUIS REY.						
Detailed Location:	POPULATIONS EXTIRPATED BY DEVELOPMENT.						
Ecological:							
General:	PREVIOUS SIGHTINGS: THOMAS (1973, 1975); LACKEY (1967); LACY (1979); O'FARRELL (1985).						
Owner/Manager:	PVT						



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Occurrence No.	38	Map Index:	03360	EO Index:	23994	Element Last Seen:	1991-03-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1991-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Stable	Record Last Updated:	2010-02-03
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35909 / -117.36317				Accuracy:	non-specific area	
UTM:	Zone-11 N3691156 E466211				Elevation (ft):	560	
PLSS:	T09S, R05W, Sec. 36 (S)				Acres:	77.0	
Location:	"INDIA AREA" SITE, NORTH OF BASILONE ROAD, BETWEEN ROBLAR RD (CASE SPRINGS ROAD) AND ALISO CANYON, CAMP PENDLETON MCB.						
Detailed Location:	MCCLLENAGHAN (1991): SW 1/4 OF SW 1/4 OF T9S, R5W, SECTION 25. FEATURE MAPPED ACCORDING TO MAP AND T-R-S GIVEN.						
Ecological:	HABITAT HERE IS VERY OPEN, SCATTERED COASTAL SAGE SCRUB, NON-NATIVE GRASS COVER, 0% SLOPE.						
General:	2 INDV'S TRAPPED ON MAY 1981 & 2 IN JUL '81 DURING 250 TRAP NIGHTS. POPULATION AT SITE ESTIMATED AT 25 IN 1981 (BEA). SITE NOT TRAPPED IN 1982-1983 DUE TO MILITARY MANEUVERS. 5 ADULTS & 2 JUV'S CAPTURED ON 16 MAR 1991.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						
Occurrence No.	164	Map Index:	21080	EO Index:	9143	Element Last Seen:	1967-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-10-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-01-22
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.28622 / -117.23048				Accuracy:	1/5 mile	
UTM:	Zone-11 N3683041 E478539				Elevation (ft):	420	
PLSS:	T10S, R03W, Sec. 19, SE (S)				Acres:	0.0	
Location:	0.3 MILE SW OF OLIVE HILL RD. JCT. WITH MISSION RD IN BONSTALL. JUST WEST OF SAN LUIS REY RIVER.						
Detailed Location:	EXTIRPATED.						
Ecological:	CLEARED FOR AGRICULTURE, SURROUNDED BY COASTAL SAGE SCRUB AND DENSE GRASSLAND.						
General:							
Owner/Manager:	UNKNOWN						



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Occurrence No.	165	Map Index:	21086	EO Index:	13205	Element Last Seen:	1988-12-03
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1988-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-01-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24295 / -117.26546				Accuracy:	non-specific area	
UTM:	Zone-11 N3678252 E475270				Elevation (ft):	120	
PLSS:	T11S, R04W (S)				Acres:	5.3	
Location:	1 MILE EAST OF MISSION AVENUE JCT. WITH SANTA FE AVENUE.						
Detailed Location:	1 ACRE-LOW TO MEDIUM ABUNDANCE.						
Ecological:	NON-NATIVE GRASSLAND SURROUNDED BY REGIONAL PARKLAND AND RIPARIAN HABITAT. SLOPE: 0-5%. SOIL: LAS FLORES.						
General:	LOCATED IN GUAJOME REGIONAL PARK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	172	Map Index:	21803	EO Index:	28513	Element Last Seen:	1967-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-10-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-01-22
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26506 / -117.25787				Accuracy:	1/5 mile	
UTM:	Zone-11 N3680701 E475982				Elevation (ft):	250	
PLSS:	T10S, R04W, Sec. 36, NW (S)				Acres:	0.0	
Location:	0.5 MILE NE OF NORTH RIVER ROAD JCT. WITH HERMOSA DRIVE.						
Detailed Location:	EXTIRPATED.						
Ecological:							
General:	REPORTED INITIALLY BY LACKEY (1967).						
Owner/Manager:	UNKNOWN						

Occurrence No.	173	Map Index:	21180	EO Index:	9092	Element Last Seen:	1988-10-13
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-10-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-01-22
Quad Summary:	San Luis Rey (3311723), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25815 / -117.30537				Accuracy:	3/5 mile	
UTM:	Zone-11 N3679947 E471557				Elevation (ft):	100	
PLSS:	T10S, R04W, Sec. 33, S (S)				Acres:	0.0	
Location:	JUST WEST OF VANDEGRIFT BLVD & NORTH OF LITTLE LIBBY LAKE. JUST SOUTH OF CAMP PENDLETON.						
Detailed Location:							
Ecological:							
General:							
Owner/Manager:	UNKNOWN						



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Occurrence No.	234	Map Index:	77501	EO Index:	78459	Element Last Seen:	2004-04-07
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2004-04-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-12-03
Quad Summary:	Morro Hill (3311733), Las Pulgas Canyon (3311734)						
County Summary:	San Diego						
Lat/Long:	33.33682 / -117.37623				Accuracy:	80 meters	
UTM:	Zone-11 N3688692 E464988				Elevation (ft):	453	
PLSS:	T10S, R05W, Sec. 02, SW (S)				Acres:	0.0	
Location:	JUST E OF ALISO CANYON, 0.7 MILE ESE OF BASILONE ROAD & ALISO CANYON RD INTERSECTION, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	SITE #14715. MAPPED ACCORDING TO MAP & COORDINATES PROVIDED.						
Ecological:	GENTLY SLOPING HILL, DENSE, NON-NATIVE/NATIVE PERENNIAL GRASSLAND (NUSELLA DOMINANT). SOILS: CLAY TO CLAY-LOAMS. SITE RATED AS POOR DUE TO "DENSE HERBS."						
General:	NO TRAPPING WAS CONDUCTED. "SOME SIGN - NO TRAPPING" NOTED.						
Owner/Manager:	PVT, DOD-CAMP PENDLETON MCB						

Occurrence No.	243	Map Index:	77814	EO Index:	78711	Element Last Seen:	1990-12-27
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1990-12-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-01-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36875 / -117.35838				Accuracy:	specific area	
UTM:	Zone-11 N3692225 E466661				Elevation (ft):	714	
PLSS:	T09S, R05W, Sec. 25, N (S)				Acres:	36.0	
Location:	ALONG ROBLAR ROAD (CASE SPRINGS RD) E OF ALISO CANYON & S OF CONTROL TOWER, 1.9 MI W OF CAMP DE LUZ, CAMP PENDLETON MCB.						
Detailed Location:	SE 1/4 OF NW 1/4 OF T9S, R5W, SECTION 25. MAPPED ACCORDING TO T&R PROVIDED.						
Ecological:	NON-NATIVE GRASSLANDS, 0-5% SLOPE.						
General:	7 ADULTS CAPTURED IN 25 TRAPS ON 27 DEC 1990.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	244	Map Index:	77815	EO Index:	78713	Element Last Seen:	1990-12-27
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1990-12-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-01-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35759 / -117.35085				Accuracy:	specific area	
UTM:	Zone-11 N3690986 E467357				Elevation (ft):	439	
PLSS:	T09S, R05W, Sec. 36, NE (S)				Acres:	36.0	
Location:	ABOUT 0.75 MI NE FROM BASILONE & ROBLAR ROADS (CASE SPRINGS RD) JCT, 2.3 MI NW OF O'NEILL LAKE, CAMP PENDLETON MCB.						
Detailed Location:	NE 1/4 OF NE 1/4 OF T9S, R5W, SECTION 36. MAPPED ACCORDING TO T-R-S PROVIDED.						
Ecological:	NON-NATIVE GRASSLANDS, 0-5% SLOPE.						
General:	2 ADULTS CAPTURED IN 15 TRAPS ON 27 DEC 1990.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Chaetodipus californicus femoralis

Element Code: AMAFD05021

Dulzura pocket mouse

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G5T3

State: None

State: S3

Other:

Habitat: **General:** VARIETY OF HABITATS INCLUDING COASTAL SCRUB, CHAPARRAL, AND GRASSLAND PRIMARILY IN SAN DIEGO COUNTY.

Micro: ATTRACTED TO GRASS-CHAPARRAL EDGES.

Occurrence No.	2	Map Index:	43867	EO Index:	43867	Element Last Seen:	1994-09-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1994-09-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-09-28	

Quad Summary: Morro Hill (3311733)

County Summary: San Diego

Lat/Long:	33.36308 / -117.32174	Accuracy:	1/5 mile
UTM:	Zone-11 N3691585 E470068	Elevation (ft):	220
PLSS:	T09S, R04W, Sec. 29 (S)	Acres:	0.0

Location: CAMP PENDLETON.

Detailed Location: AT THE INTERSECTION OF CAMP DE LUZ ROAD AND SANTA MARGARITA RIVER.

Ecological: SANDY SOIL; RIVER FLOWING SLOWLY. RIVER FLOODED IN SPRING OF 1992 LOTS OF DEBRIS ALONG WEST SIDE OF RIVER OVER-GROWN SHRUB.

General: 1 MALE & 1 FEMALE CAPTURED & RELEASED IN 1994.

Owner/Manager: DOD-CAMP PENDLETON MCB

Occurrence No.	9	Map Index:	50447	EO Index:	55465	Element Last Seen:	1995-06-06
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		1995-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-05-12	

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long:	33.11837 / -117.29264	Accuracy:	non-specific area
UTM:	Zone-11 N3664447 E472699	Elevation (ft):	300
PLSS:	T12S, R04W, Sec. 22 (S)	Acres:	91.0

Location: SOUTH OF PALOMAR AIRPORT ROAD, BETWEEN EL CAMINO REAL AND I-5, CARLSBAD.

Detailed Location:

Ecological: HABITAT CONSISTS OF COASTAL SAGE SCRUB, NON-NATIVE GRASSLAND, AND SOUTHERN MIXED CHAPARRAL; DOMINANT PLANTS INCLUDE ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, MALOSMA LAURINA, AVENA SP, BROMUS SP.

General: 180 TRAPS PER NIGHT WERE SET OVER 5 NIGHTS (900 TRAP-NIGHTS OF EFFORT). 9 CAPTURED (7 ADULTS & 2 JUVENILES) AND RELEASED.

Owner/Manager: PVT-PACWEST GROUP



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Occurrence No.	10	Map Index:	50448	EO Index:	57428	Element Last Seen:	1993-10-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-10-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-03-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06973 / -117.13883				Accuracy:	non-specific area	
UTM:	Zone-11 N3659026 E487040				Elevation (ft):	900	
PLSS:	T13S, R03W, Sec. 01, SE (S)				Acres:	38.0	
Location:	MOUNT ISRAEL PROPOSED RESERVOIR SITE, 2 MILES SOUTH OF HARMONY GROVE.						
Detailed Location:	2 TRAPLINES LOCATED WITHIN POLYGON; POCKET MOUSE CAPTURED IN BOTH TRAPLINES (MI-01, 02).						
Ecological:	HABITAT CONSISTS OF SOUTHERN MIXED CHAPARRAL (BURN RECOVERY), DISTURBED COAST LIVE OAK, AND RUDERAL.						
General:	SEVEN INDIVIDUALS CAPTURED ON 20-21 OCT 1993. SURROUNDING LAND IS A COUNTY PARK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	11	Map Index:	57414	EO Index:	57430	Element Last Seen:	1993-10-19
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-10-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-15
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.25569 / -117.11146				Accuracy:	non-specific area	
UTM:	Zone-11 N3679639 E489617				Elevation (ft):	800	
PLSS:	T11S, R02W, Sec. 05 (S)				Acres:	36.3	
Location:	IN MOOSA CANYON ALONG SIDE TRIBUTARY TO MOOSA CREEK. NORTH AND SOUTH OF LARGE BEND IN OLD CASTLE ROAD.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB (DENSE IN AREAS) WITH CALIFORNIA SAGEBRUSH DOMINANT.						
General:	FIVE INDIVIDUALS TRAPPED ON 18-19 OCT 1993.						
Owner/Manager:	PVT						

Occurrence No.	19	Map Index:	44537	EO Index:	57477	Element Last Seen:	1975-06-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1975-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-27
Quad Summary:	Bonsall (3311732), Morro Hill (3311733), Temecula (3311742), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37646 / -117.25196				Accuracy:	1 mile	
UTM:	Zone-11 N3693051 E476563				Elevation (ft):	700	
PLSS:	T09S, R04W, Sec. 24 (S)				Acres:	0.0	
Location:	FALLBROOK.						
Detailed Location:	LOCATION GIVEN ONLY AS "FALLBROOK".						
Ecological:							
General:	1 SPECIMEN COLLECTED (1 FEMALE) 20 JUN 1975 AT "FALLBROOK." UWBM CATALOG NUMBER 47333. SPECIMEN NOT IDENTIFIED TO SUBSPECIES, SUBSPECIES INFERRED FROM COLLECTION LOCATION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	21	Map Index:	57463	EO Index:	57479	Element Last Seen:	1965-03-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1965-03-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03402 / -117.18834			Accuracy:	1 mile		
UTM:	Zone-11 N3655074 E482411			Elevation (ft):	200		
PLSS:	T13S, R03W, Sec. 21 (S)			Acres:	0.0		
Location:	ABOUT 1 MILE NORTHEAST OF RANCHO SANTA FE ALONG PASEO DELICIAS.						
Detailed Location:	LAT/LONG POINTS USED FOR MAPPING PROVIDED BY MANIS DATABASE.						
Ecological:							
General:	1 SPECIMEN COLLECTED (1 MALE) 28 MAR 1965 AT "ESCONDIDO, 6 MILES SOUTHWEST." UWBM CATALOG NUMBER 47332. SPECIMEN NOT IDENTIFIED TO SUBSPECIES, INFERRED FROM COLLECTION LOCATION.						
Owner/Manager:	UNKNOWN						
Occurrence No.	22	Map Index:	04194	EO Index:	57480	Element Last Seen:	1961-08-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1961-08-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-03-04
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809			Accuracy:	1 mile		
UTM:	Zone-11 N3664012 E492714			Elevation (ft):	660		
PLSS:	T12S, R02W, Sec. 22 (S)			Acres:	0.0		
Location:	ESCONDIDO.						
Detailed Location:	EXACT LOCATION NOT KNOWN. MAPPED IN THE GENERAL VICINITY OF ESCONDIDO.						
Ecological:							
General:	ALL FROM "ESCONDIDO." 8 M & 13F COLLECTED IN 1929 BY B. BAILEY (KU #46513-46525 & MVZ #44443-44449 & 64957). 1 M COLLECTED 25 AUG 1961 (UWBM #47331). UWBM SPECIMEN NOT IDENTIFIED TO SUBSPECIES, SUBSPECIES INFERRED FROM COLLECTION LOCATION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	41	Map Index:	60357	EO Index:	60393	Element Last Seen:	1931-08-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1931-08-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-03-04	
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30374 / -117.34444			Accuracy:	1 mile		
UTM:	Zone-11 N3685014 E467933			Elevation (ft):	100		
PLSS:	T10S, R04W, Sec. 18 (S)			Acres:	0.0		
Location:	CAMP PENDLETON MCB, RANCHO SANTA MARGARITA.						
Detailed Location:	ASSUMED SANTA MARGARITA RANCH 4 MILES NW OF OCEANSIDE WAS THE HISTORIC LOCALE OF RANCHO SANTA MARGARITA. CENTERED OCCURRENCE OVER THE RANCH HOUSE.						
Ecological:							
General:	3 SPECIMENS COLLECTED 9 AUG 1931 BY G. CANTWELL AT "OCEANSIDE, 4 MI NW; SANTA MARGARITA RANCH." DEPOSITED AT LACM #2728-2730.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	42	Map Index:	60358	EO Index:	60394	Element Last Seen:	1953-11-14
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1953-11-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-03-04	
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.13759 / -117.03809			Accuracy:	1 mile		
UTM:	Zone-11 N3666541 E496447			Elevation (ft):	700		
PLSS:	T12S, R02W, Sec. 13 (S)			Acres:	0.0		
Location:	LOCATED ABOUT 2.5 MILES ENE OF ESCONDIDO AND 0.2 MILE EAST OF BEAR VALLEY ROAD.						
Detailed Location:	COULD NOT LOCATE HISTORIC LOCALE OF ORANGE GLENN. MAPPED IN THE VICINITY OF ORANGE GLEN HS & ORANGE GLEN SCH WITH THE ASSUMPTIONS THAT THE COLLECTOR MEANT ORANGE GLEN & THE HISTORIC ORANGE GLEN WAS LOCATED IN THE SAME AREA AS THESE SCHOOLS.						
Ecological:							
General:	ONE MALE SPECIMEN COLLECTED 14 NOV 1953 BY B. BAILEY AT "ORANGE GLENN" DEPOSITED AT CAS #10723.						
Owner/Manager:	UNKNOWN						

<i>Chaetodipus fallax fallax</i>				Element Code: AMAFD05031			
northwestern San Diego pocket mouse							
Listing Status:	Federal:	None		CNDDB Element Ranks:	Global:	G5T3T4	
	State:	None			State:	S3S4	
	Other:						
Habitat:	General:	COASTAL SCRUB, CHAPARRAL, GRASSLANDS, SAGEBRUSH, ETC. IN WESTERN SAN DIEGO, RIVERSIDE, SAN BERNARDINO, AND LOS ANGELES COUNTIES, INCLUSIVE OF ORANGE COUNTY.					
	Micro:	SANDY, HERBACEOUS AREAS, USUALLY IN ASSOCIATION WITH ROCKS OR COARSE GRAVEL.					



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Occurrence No.	6	Map Index:	33544	EO Index:	33463	Element Last Seen:	1992-08-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1992-08-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-03-26
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10202 / -117.23600				Accuracy:	non-specific area	
UTM:	Zone-11 N3662621 E477979				Elevation (ft):	740	
PLSS:	T12S, R03W, Sec. 30 (S)				Acres:	364.2	
Location:	"RANCHEROS", BORDERED BY SAN MARCOS CREEK E & S, & ALGA ROAD N, 1.5 MILES E OF JCT ALGA RD & EL CAMINO REAL, CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SOUTHERN MIXED CHAPARRAL, DOMINATED BY ADENOSTOMA FASCICULATUM AND XYLOCOCCUS BICOLOR, AND DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA AND SALVIA MELLIFERA.						
General:	42 CAPTURED DURING A TRAPPING STUDY CONDUCTED AUGUST 2-4, 1992; 15 TRAPPED IN CHAPARRAL AND 27 IN DIEGAN COASTAL SAGE SCRUB. OTHER SPECIES: NEOTOMA LEPIDA INTERMEDIA, PEROMYSCUS MANICULATUS, NEOTOMA FUSCIPES, REITHRODONTOMYS MEGALOTIS.						
Owner/Manager:	PVT						

Occurrence No.	7	Map Index:	38457	EO Index:	33464	Element Last Seen:	1992-07-31
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1992-07-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-03-26
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11102 / -117.25637				Accuracy:	non-specific area	
UTM:	Zone-11 N3663624 E476080				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 24 (S)				Acres:	583.9	
Location:	"NORTHWEST" SITE IN CITY OF CARLSBAD, BORDERED BY EL CAMINO REAL ON WEST AND ALGA ROAD SOUTH, ~4 MILES NE OF LEUCADIA.						
Detailed Location:							
Ecological:	SOUTHERN MIXED CHAPARRAL, DIEGAN COASTAL SAGE SCRUB & NON-NATIVE GRASSLAND. DOMINANT SHRUB ALONG EL CAMINO IS CHAMISE. COASTAL SAGE SCRUB IN SE PORTION OF PROPERTY DOMINATED BY CALIFORNIA SAGEBRUSH OR BLACK SAGE & CLUMPS OF LEMONADEBERRY.						
General:	124 CAPTURED DURING A TRAPPING STUDY CONDUCTED JULY 26-31, 1992; 51 TRAPPED IN CHAPARRAL, 35 IN SAGE SCRUB & 38 IN GRASSLAND. OTHER SPECIES: NEOTOMA LEPIDA INTERMEDIA, PEROMYSCUS MANICULATUS, NEOTOMA FUSCIPES, REITHRODONTOMYS MEGALOTIS.						
Owner/Manager:	PVT						



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Occurrence No.	34	Map Index:	54749	EO Index:	54749	Element Last Seen:	2002-05-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-19
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02531 / -117.24396				Accuracy:	non-specific area	
UTM:	Zone-11 N3654119 E477216				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 24, SE (S)				Acres:	176.3	
Location:	EAST SIDE OF LUX CANYON, NEAR MANCHESTER AVE, NORTH OF SAN ELIJO LAGOON, ENCINITAS.						
Detailed Location:	TRAPS SET IN PROPOSED DEVELOPMENT AREA, ON SE FACING SLOPE.						
Ecological:	HABITAT ON THE SITE CONSISTS OF COASTAL SAGE SCRUB, SOUTHERN MARITIME CHAPARRAL, ANNUAL NON-NATIVE GRASSLAND, VALLEY NEEDLEGRASS GRASSLAND & DISTURBED HABITAT.						
General:	146 MICE CAPTURED IN 950 TRAP-NIGHTS.						
Owner/Manager:	PVT						

Occurrence No.	44	Map Index:	73872	EO Index:	57609	Element Last Seen:	1993-10-21
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-10-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-03-12
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04075 / -117.13591				Accuracy:	non-specific area	
UTM:	Zone-11 N3655812 E487309				Elevation (ft):	180	
PLSS:	T13S, R03W, Sec. 13, SE (S)				Acres:	17.0	
Location:	LOCATED ALONG THE SAN DIEGUITO RIVER ABOUT 0.6 MI SW OF LAKE HODGES SPILLWAY AND ABOUT 3.8 MI NE OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB AND WILLOW WOODLAND.						
General:	ONE INDIVIDUAL COLLECTED IN 26 TRAPS WHILE CONDUCTING A CAPTURE/RELEASE TRANSECT ON 21 OCT 1993.						
Owner/Manager:	UNKNOWN						

Occurrence No.	45	Map Index:	50448	EO Index:	57612	Element Last Seen:	1993-10-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-10-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-03-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06973 / -117.13883				Accuracy:	non-specific area	
UTM:	Zone-11 N3659026 E487040				Elevation (ft):	900	
PLSS:	T13S, R03W, Sec. 01, SE (S)				Acres:	38.0	
Location:	MOUNT ISRAEL PROPOSED RESERVOIR SITE, 2 MILES SOUTH OF HARMONY GROVE.						
Detailed Location:	2 TRAPLINES LOCATED WITHIN POLYGON; POCKET MOUSE CAPTURED IN TRAPLINE (MI-01) LOCATED SOUTH OF CREEK.						
Ecological:	HABITAT CONSISTS OF SOUTHERN MIXED CHAPARRAL (BURN RECOVERY).						
General:	ONE INDIVIDUAL CAPTURED ON 20-21 OCT 1993. SURROUNDING LAND IS A COUNTY PARK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	46	Map Index:	57601	EO Index:	57617	Element Last Seen:	2002-04-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01322 / -117.26983				Accuracy:	non-specific area	
UTM:	Zone-11 N3652785 E474796				Elevation (ft):	110	
PLSS:	T13S, R04W, Sec. 26, SW (S)				Acres:	13.4	
Location:	LOCATED JUST NORTH OF SAN ELIJO LAGOON. SITE IS BOUNDED BY MANCHESTER AVE ON THE WEST AND INTERSTATE 5 ON THE EAST.						
Detailed Location:	ONE HUNDRED TRAPS WERE SET ON FIVE CONSECUTIVE NIGHTS. NO RIGID TRAPPING SPACING OR GRID WAS USED, TRAPS WERE SET TO MAXIMIZE CAPTURE PROBABILITY.						
Ecological:	SITE GENERALLY WEST-FACING SLOPE, RATHER STEEP IN AREAS. MOSTLY DENSE COASTAL SAGE SCRUB. DENSE COVER OF VELDT GRASS OCCURS WITHIN THE SPARSER SAGE SCRUB ON GENTLY SLOPED AREAS. MOST NON-NATIVES OCCUR ON THE HABITAT NEAR MANCHESTER AVE.						
General:	12 INDIVIDUALS CAPTURED ON 17 APR 2002, 14 INDIVIDUALS CAPTURED 18 APR 2002, 15 INDIVIDUALS CAPTURED 19 APR 2002, 17 INDIVIDUALS CAPTURED 20 APR 2002, AND 14 INDIVIDUALS CAPTURED 21 APR 2002 FOR A TOTAL OF 72 INDIVIDUALS.						
Owner/Manager:	PVT						

Occurrence No.	47	Map Index:	57605	EO Index:	57621	Element Last Seen:	1997-08-04
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-08-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01846 / -117.25784				Accuracy:	non-specific area	
UTM:	Zone-11 N3653363 E475918				Elevation (ft):	60	
PLSS:	T13S, R04W, Sec. 26, NE (S)				Acres:	68.2	
Location:	LOCATED JUST NORTH OF THE SAN ELIJO LAGOON. BOUNDED BY MANCHESTER AVENUE ON THE SOUTH AND EAST. ABOUT 0.8 MI E OF I-5.						
Detailed Location:	TWO TRAPPING AREAS WERE SET UP ONE IN THE NORTHEAST PORTION (WITH ONE TRANSECT), AND ONE ON THE WESTERN PORTION (WITH 4 TRANSECTS).						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, DISTURBED COASTAL SAGE SCRUB, A TREE FARM, AND GRADED LAND (DEVOID OF VEGETATION). THE DISTURBED PORTIONS WERE DOMINATED BY WESTERN RAGWEED, TARWEED, AND WREATH PLANT.						
General:	ON NORTHEASTERN TRANSECT 13 INDIVIDUALS WERE CAPTURED OVER 31 JUL- 04 AUG 1997. ON WESTERN TRANSECTS A TOTAL OF 92 INDIVIDUALS WERE CAPTURED OVER 31 JUL- 04 AUG 1997.						
Owner/Manager:	PVT						



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Occurrence No.	48	Map Index:	57617	EO Index:	57633	Element Last Seen:	2002-06-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2002-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19578 / -117.33320				Accuracy:	non-specific area	
UTM:	Zone-11 N3673041 E468942				Elevation (ft):	250	
PLSS:	T11S, R04W, Sec. 30 (S)				Acres:	53.2	
Location:	LOCATED IN OCEANSIDE, ABOUT 0.9 MI N OF CA HIGHWAY 78. SITE IS ETERNAL HILLS MEMORIAL PARK.						
Detailed Location:	4 TRAPPING LINES WERE PLACED ON EDGES OF SITE. TWO ON THE WESTERN SIDE, ONE ON THE NORTHERN SIDE AND ONE ON THE EASTERN SIDE.						
Ecological:	HABITAT EDGES CONSISTS OF DIEGAN COASTAL SAGE SCRUB, COYOTE BUSH SCRUB, NON-NATIVE GRASSLAND, AND RIPARIAN. SCATTERED THROUGHOUT THE SIDE ARE CONCENTRATIONS OF NON-NATIVE SPECIES. SOME SCATTERED EROSION PRESENT.						
General:	57 TOTAL INDIVIDUALS WERE CAPTURED DURING THE TRAPPING PERIOD OF 11-15 JUN 2002. 39 ON THE WESTERN PORTION, 10 ON THE NORTHERN PORTION, 8 ON THE EASTERN PORTION.						
Owner/Manager:	PVT						

Occurrence No.	49	Map Index:	57414	EO Index:	57641	Element Last Seen:	1993-10-19
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-10-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.25569 / -117.11146				Accuracy:	non-specific area	
UTM:	Zone-11 N3679639 E489617				Elevation (ft):	800	
PLSS:	T11S, R02W, Sec. 05 (S)				Acres:	36.3	
Location:	IN MOOSA CANYON ALONG SIDE TRIBUTARY TO MOOSA CREEK. NORTH AND SOUTH OF LARGE BEND IN OLD CASTLE ROAD.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB (DENSE IN AREAS) WITH CALIFORNIA SAGEBRUSH DOMINANT.						
General:	ONE INDIVIDUAL TRAPPED 18-19 OCT 1993.						
Owner/Manager:	PVT						



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Occurrence No.	78	Map Index:	57772	EO Index:	57788	Element Last Seen:	1998-11-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-28
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36593 / -117.29646				Accuracy:	non-specific area	
UTM:	Zone-11 N3691894 E472419				Elevation (ft):	450	
PLSS:	T09S, R04W, Sec. 28 (S)				Acres:	1306.3	
Location:	NORTHERN PORTION OF US NAVAL SEAL BEACH WEAPONS SUPPORT FACILITY (FALLBROOK ANNEX). ABOUT 2 MILES SW OF FALLBROOK.						
Detailed Location:	OBSERVED ON ROAD BED.						
Ecological:							
General:	ONE ADULT OBSERVED WHILE SURVEYING 7-10 NOV 1998. BURROW SITE ALSO OBSERVED.						
Owner/Manager:	DOD-SEAL BEACH NWS						

Occurrence No.	94	Map Index:	61690	EO Index:	61738	Element Last Seen:	2004-09-17
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2004-09-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-06-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01043 / -117.22538				Accuracy:	non-specific area	
UTM:	Zone-11 N3652466 E478947				Elevation (ft):	240	
PLSS:	T13S, R03W, Sec. 30, SE (S)				Acres:	30.7	
Location:	AREA JUST NE OF RAMBLA DE LAS FLORES, 1 MILE EAST OF SAN ELIJO LAGOON, EAST OF CARDIFF-BY-THE-SEA.						
Detailed Location:	RAMBLAS DE LAS FLORES SITE. TRAP LINES A, B, C, D, E.						
Ecological:	HABITAT CONSISTS OF EUCALYPTUS/SOUTHERN MARITIME CHAPARRAL AND EUCALYPTUS/COASTAL SAGE SCRUB. SUBSTRATE/SOILS: CONSOLIDATED SANDSTONE WITH COMPONENTS OF COBBLE AND LARGER ROCKS WITH DEPOSITS OF SAND IN LOW AREAS.						
General:	22 CAPTURED AND RELEASED BETWEEN 13 SEP AND 17 SEP 2004.						
Owner/Manager:	UNKNOWN						

Neotoma lepida intermedia				Element Code: AMAFF08041			
San Diego desert woodrat							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G5T3T4	
	State:	None			State:	S3S4	
	Other:	CDFW_SSC-Species of Special Concern					
Habitat:	General:	COASTAL SCRUB OF SOUTHERN CALIFORNIA FROM SAN DIEGO COUNTY TO SAN LUIS OBISPO COUNTY.					
	Micro:	MODERATE TO DENSE CANOPIES PREFERRED. THEY ARE PARTICULARLY ABUNDANT IN ROCK OUTCROPS, ROCKY CLIFFS, AND SLOPES.					



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Occurrence No.	8	Map Index:	33544	EO Index:	29701	Element Last Seen:	1992-08-04
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1992-08-04		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1996-11-14		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10202 / -117.23600			Accuracy:	non-specific area		
UTM:	Zone-11 N3662621 E477979			Elevation (ft):	740		
PLSS:	T12S, R03W, Sec. 30 (S)			Acres:	364.2		
Location:	"RANCHEROS", JUST WEST OF SAN MARCOS CREEK, CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SOUTHERN MIXED CHAPARRAL, DOMINATED BY ADENOSTOMA FASCICULATUM AND XYLOCOCCUS BICOLOR, AND DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA AND SALVIA MELLIFERA.						
General:	5 ADULTS TRAPPED DURING A TRAPPING STUDY CONDUCTED ON 2-4 AUGUST 1992.						
Owner/Manager:	PVT						

Occurrence No.	9	Map Index:	33545	EO Index:	29700	Element Last Seen:	1994-08-28
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1994-08-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1996-11-04		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11521 / -117.22718			Accuracy:	1/5 mile		
UTM:	Zone-11 N3664082 E478805			Elevation (ft):	910		
PLSS:	T12S, R03W, Sec. 19, SE (S)			Acres:	0.0		
Location:	ALONG THE EAST AND THE WEST SIDE OF RANCHO SANTA RE ROAD, BETWEEN MELROSE AVENUE AND CAMINO DEL ARROYO, SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB GROWING ALONG THE ROAD SHOULDER. OTHER RARE TAXA PRESENT AT THIS SITE ARE ADOLPHIA CALIFORNICA AND POLIOPTILA CALIFORNICA.						
General:	5+ INDIVIDUALS ESTIMATED; ONLY NESTS OBSERVED ON 28 AUGUST 1994.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	10	Map Index:	38037	EO Index:	29699	Element Last Seen:	1995-07-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-07-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-19
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13672 / -117.29249				Accuracy:	specific area	
UTM:	Zone-11 N3666481 E472719				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 15 (S)				Acres:	14.4	
Location:	BETWEEN CALAVERAS ROAD AND PALOMAR AIRPORT, NEAR LA COSTA IN CARLSBAD.						
Detailed Location:	LOCATED ABOVE THE WESTERN TERMINUS OF FARADAY AVENUE.						
Ecological:	HABITAT CONSISTS OF SOUTHERN MARITIME CHAPARRAL, DOMINATED BY ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, QUERCUS DUMOSA, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, OTHERS.						
General:	AN UNKNOWN NUMBER OF NESTS OBSERVED ON 13 JULY 1995.						
Owner/Manager:	PVT						

Occurrence No.	34	Map Index:	36672	EO Index:	31669	Element Last Seen:	1996-09-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1996-09-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-09-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01420 / -117.08065				Accuracy:	specific area	
UTM:	Zone-11 N3652863 E492467				Elevation (ft):	650	
PLSS:	T13S, R02W, Sec. 27 (S)				Acres:	13.6	
Location:	WEST SIDE OF I-15, 0.7 MILE SOUTH OF RANCHO BERNARDO ROAD, RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, SUCCESSIONAL SCRUB, AND SOUTHERN GRASSLAND/WHITE SAGE ECOTONE, DOMINATED BY ERIOGONUM FASCICULATUM, ATRIPLEX CANESCENS, AND ARTEMISIA CALIFORNICA. SURROUNDED BY DEVELOPMENT.						
General:	10+ INDIVIDUALS ESTIMATED; IDENTIFICATION BASED ON CHARACTERISTIC NESTS.						
Owner/Manager:	PVT						

Occurrence No.	36	Map Index:	39215	EO Index:	34217	Element Last Seen:	1998-04-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00201 / -117.01333				Accuracy:	1/5 mile	
UTM:	Zone-11 N3651510 E498754				Elevation (ft):	1100	
PLSS:	T13S, R01W, Sec. 32, NW (S)				Acres:	0.0	
Location:	EAST OF TRAILWIND ROAD, SSW OF LAKE POWAY, EAST OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF OPEN DIEGAN COASTAL SAGE SCRUB, DOMINATED BY MALSOMA LAURINA, ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND OTHERS. DEVELOPED AREAS ADJOIN THIS SITE.						
General:	WOODRAT NEST OBSERVED ON 17 APR 1998.						
Owner/Manager:	PVT						



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Occurrence No.	37	Map Index:	31982	EO Index:	35104	Element Last Seen:	1995-05-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03933 / -117.16864				Accuracy:	specific area	
UTM:	Zone-11 N3655659 E484253				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 14, SW (S)				Acres:	7.2	
Location:	NORTH OF DEL DIOS HIGHWAY, JUST WEST OF SECOND SAN DIEGO AQUEDUCT, NE OF RANCHO SANTA FE.						
Detailed Location:	LOCALLY COMMON ON XERIC SLOPES NEARBY THIS SITE.						
Ecological:	HABITAT CONSISTS OF CHAPARRAL AND SAGE/CHAPARRAL SCRUB, DOMINATED BY MALOSMA LAURINA, CEANOTHUS TOMENTOSUS, SALVIA MELLIFERA, AND ADENOSTOMA FASCICULATUM. OTHER RARE PLANT AND ANIMAL TAXA ALSO PRESENT.						
General:	DENS CHARACTERISTIC OF THIS TAXA OBSERVED ON 25 MAY 1995.						
Owner/Manager:	PVT						

Occurrence No.	57	Map Index:	50447	EO Index:	50447	Element Last Seen:	1995-06-06
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-03-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11837 / -117.29264				Accuracy:	non-specific area	
UTM:	Zone-11 N3664447 E472699				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 22, NW (S)				Acres:	91.0	
Location:	SOUTH OF PALOMAR AIRPORT ROAD, BETWEEN EL CAMINO REAL AND I-5, CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, NON-NATIVE GRASSLAND, AND SOUTHERN MIXED CHAPARRAL; DOMINANT PLANTS INCLUDE ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, MALOSMA LAURINA, AVENA SP, BROMUS SP.						
General:	3 ADULTS CAPTURED DURING TRAPPING CONDUCTED FROM 30-31 MAY AND FROM 4-6 JUN 1995.						
Owner/Manager:	PVT-PACWEST GROUP						

Occurrence No.	58	Map Index:	50448	EO Index:	50448	Element Last Seen:	1993-10-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-10-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-03-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06973 / -117.13883				Accuracy:	non-specific area	
UTM:	Zone-11 N3659026 E487040				Elevation (ft):	900	
PLSS:	T13S, R03W, Sec. 01, SE (S)				Acres:	38.0	
Location:	MOUNT ISRAEL PROPOSED RESERVOIR SITE, 2 MILES SOUTH OF HARMONY GROVE.						
Detailed Location:	TRAPLINES MI-01 (40 TRAPS) & MI-02 (30 TRAPS). MAPPED TO TRAPLINE LOCATIONS ACCORDING TO PROVIDED MAP.						
Ecological:	HABITAT CONSISTS OF SOUTHERN MIXED CHAPARRAL (BURN RECOVERY).						
General:	1-2 INDIVIDUALS CAPTURED ON 20-21 OCT 1993 BY SHANA DODD.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	60	Map Index:	50451	EO Index:	50451	Element Last Seen:	1993-10-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-10-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-03-06
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.25440 / -117.11180				Accuracy:	non-specific area	
UTM:	Zone-11 N3679495 E489586				Elevation (ft):	650	
PLSS:	T11S, R02W, Sec. 05, N (S)				Acres:	16.8	
Location:	ALONG TRIBUTARY TO MOOSA (CANYON) CREEK, 2.8 MILES ESE OF THE INTERSECTION OF MOOSA CANYON ROAD AND OLD HIGHWAY 395.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COAST LIVE OAK RIPARIAN.						
General:	1 INDIVIDUAL CAPTURED ON 19 OCT 1993.						
Owner/Manager:	PVT						

Occurrence No.	65	Map Index:	37909	EO Index:	51603	Element Last Seen:	1996-02-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1996-02-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-23
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36585 / -117.16741				Accuracy:	non-specific area	
UTM:	Zone-11 N3691858 E484425				Elevation (ft):	400	
PLSS:	T09S, R03W, Sec. 26 (S)				Acres:	32.9	
Location:	WEST OF I-395, ALONG THE PALA MESA GOLF CLUB, 5 MILES ESE OF FALLBROOK.						
Detailed Location:	LOCATED ON A SLOPE ABOVE THE GOLF COURSE.						
Ecological:	HABITAT CONSISTS OF GENTLE TO STEEP SOUTHWEST-FACING SLOPE VEGETATED BY COASTAL SAGE SCRUB. FRINGE AREAS SUPPORT RELICT OAK WOODLAND AND RIPARIAN SCRUB VEGETATION.						
General:	UNKNOWN NUMBER OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS 2-16 FEB 1996. ~40% OF SITE IS PLANNED TO REMAIN AS OPEN SPACE.						
Owner/Manager:	PVT						

Occurrence No.	67	Map Index:	53840	EO Index:	53840	Element Last Seen:	2000-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06159 / -117.04466				Accuracy:	non-specific area	
UTM:	Zone-11 N3658116 E495830				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 12, NW (S)				Acres:	64.6	
Location:	APPROXIMATELY 1.5 MILES EAST OF I-15 AND NORTH OF LAKE HODGES, ESCONDIDO.						
Detailed Location:	SITE "B" OF PROPOSED MHCP HABITAT AQUISITION PROJECT.						
Ecological:	HABITAT ON SITE CONSISTS OF COASTAL SAGE SCRUB, GRASSLAND, MEXICAN ELDERBERRY SAVANNA, MULEFAT SCRUB AND DISTURBED AREAS.						
General:	NESTS/DENS OBSERVED ON SITE IN CACTUS PATCHES AND BOULDER PILES ON 1 AUG 2000.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	71	Map Index:	61690	EO Index:	61726	Element Last Seen:	2004-09-17
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2004-09-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-06-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01043 / -117.22538				Accuracy:	non-specific area	
UTM:	Zone-11 N3652466 E478947				Elevation (ft):	240	
PLSS:	T13S, R03W, Sec. 30, SE (S)				Acres:	30.7	
Location:	AREA JUST NE OF RAMBLA DE LAS FLORES, 1 MILE EAST OF SAN ELIJO LAGOON, EAST OF CARDIFF-BY-THE-SEA.						
Detailed Location:	RAMBLAS DE LAS FLORES SITE. TRAP LINE B (110 TRAPS).						
Ecological:	HABITAT CONSISTS OF EUCALYPTUS/SOUTHERN MARITIME CHAPARRAL AND EUCALYPTUS/COASTAL SAGE SCRUB. SUBSTRATE/SOILS: CONSOLIDATED SANDSTONE WITH COMPONENTS OF COBBLE AND LARGER ROCKS WITH DEPOSITS OF SAND IN LOW AREAS.						
General:	1 CAPTURED & RELEASED ON 17 SEP 2004 IN 550 TRAP-NIGHTS OF EFFORT BETWEEN 13 SEP & 17 SEP 2004.						
Owner/Manager:	UNKNOWN						

Occurrence No.	110	Map Index:	73872	EO Index:	74858	Element Last Seen:	1993-10-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-10-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-03-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04075 / -117.13591				Accuracy:	non-specific area	
UTM:	Zone-11 N3655812 E487309				Elevation (ft):	230	
PLSS:	T13S, R03W, Sec. 13, SE (S)				Acres:	17.0	
Location:	LOCATED ALONG THE SAN DIEGUITO RIVER ABOUT 0.6 MI SW OF LAKE HODGES SPILLWAY AND ABOUT 3.8 MI NE OF RANCHO SANTA FE.						
Detailed Location:	TRAPLINE HO-01 (26 TRAPS). MAPPED TO TRAPLINE LOCATION ACCORDING TO PROVIDED MAP.						
Ecological:							
General:	2 INDIVIDUALS CAPTURED AND RELEASED ON 20-21 OCT 1993.						
Owner/Manager:	UNKNOWN						

<i>Taxidea taxus</i>			Element Code: AMAJF04010		
American badger					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5
	State:	None		State:	S3
	Other:	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern			
Habitat:	General:	MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.			
	Micro:	NEEDS SUFFICIENT FOOD, FRIABLE SOILS AND OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.			



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Occurrence No.	308	Map Index:	04194	EO Index:	57602	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809			Accuracy:	1 mile		
UTM:	Zone-11 N3664012 E492714			Elevation (ft):	700		
PLSS:	T12S, R02W, Sec. 22 (S)			Acres:	0.0		
Location:	ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	1 COLLECTED, SDSNH.						
Owner/Manager:	UNKNOWN						
Occurrence No.	313	Map Index:	57604	EO Index:	57620	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14421 / -117.19101			Accuracy:	1 mile		
UTM:	Zone-11 N3667291 E482184			Elevation (ft):	560		
PLSS:	T12S, R03W, Sec. 09 (S)			Acres:	0.0		
Location:	WEST OF SAN MARCOS.						
Detailed Location:							
Ecological:							
General:	1 COLLECTED, SDSNH.						
Owner/Manager:	UNKNOWN						
Occurrence No.	317	Map Index:	57632	EO Index:	57648	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.18542 / -117.15462			Accuracy:	1 mile		
UTM:	Zone-11 N3671853 E485585			Elevation (ft):	720		
PLSS:	T11S, R03W, Sec. 25 (S)			Acres:	0.0		
Location:	TWIN OAKS.						
Detailed Location:	ELEVATION 1616 FT. LOCATION MAPPED IS TWIN OAKS. AREA SURROUNDING TWIN OAKS CONSISTS OF HILLS RANGING IN ELEVATION FROM 1300 FT TO 1500 FT.						
Ecological:							
General:	2 COLLECTED, USNM.						
Owner/Manager:	UNKNOWN						
<i>Emys marmorata</i>						Element Code: ARAAD02030	



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western pond turtle

Listing Status: **Federal:** Proposed Threatened **CNDDB Element Ranks:** **Global:** G3G4
State: None **State:** S3
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive
Habitat: **General:** A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS AND IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.
Micro: NEEDS BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.

Occurrence No. 806 **Map Index:** 04410 **EO Index:** 28251 **Element Last Seen:** 1987-XX-XX
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1987-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-10

Quad Summary: Rodriguez Mtn. (3311628), Valley Center (3311721)

County Summary: San Diego

Lat/Long: 33.17352 / -116.99409 **Accuracy:** 1 mile
UTM: Zone-11 N3670523 E500551 **Elevation (ft):** 1480
PLSS: T11S, R01W, Sec. 33, SW (S) **Acres:** 0.0

Location: LAKE WOHLFORD, SE OF VALLEY CENTER.

Detailed Location: OBSERVED BY MESSER DURING APRIL-DECEMBER 1987 FIELD SURVEY; POPULATION SIZE SMALL.

Ecological:

General:

Owner/Manager: BLM, UNKNOWN

Occurrence No. 987 **Map Index:** 25150 **EO Index:** 5944 **Element Last Seen:** 1993-05-25
Occ. Rank: Excellent **Presence:** Presumed Extant **Site Last Seen:** 1993-05-25
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1996-01-05

Quad Summary: Morro Hill (3311733)

County Summary: San Diego

Lat/Long: 33.35855 / -117.29130 **Accuracy:** non-specific area
UTM: Zone-11 N3691075 E472898 **Elevation (ft):** 440
PLSS: T09S, R04W, Sec. 34, NW (S) **Acres:** 30.6

Location: 2 MILES SW OF FALLBROOK, FALLBROOK NAVAL WEAPONS STATION.

Detailed Location: OBSERVED IN A RESERVOIR OVERFLOW CHANNEL.

Ecological: HABITAT SURROUNDING CREEK CHANNEL CONSISTS OF RIPARIAN, DOMINATED BY A MIXED OAK, SYCAMORE, AND WILLOW WOODLAND.

General: 3 ADULTS OBSERVED.

Owner/Manager: DOD-SEAL BEACH NWS, FALLBROOK



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Occurrence No.	1037	Map Index:	32733	EO Index:	1026	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-01-11
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.38545 / -117.29807				Accuracy:	specific area	
UTM:	Zone-11 N3694058 E472276				Elevation (ft):	200	
PLSS:	T09S, R04W (S)				Acres:	303.5	
Location:	FALLBROOK NAVAL WEAPONS STATION ALONG THE SANTA MARGARITA RIVER.						
Detailed Location:							
Ecological:							
General:	LACM #105319, 105324; DATES UNKNOWN.						
Owner/Manager:	DOD						

Occurrence No.	1041	Map Index:	32742	EO Index:	657	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-12-26
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05870 / -117.11538				Accuracy:	non-specific area	
UTM:	Zone-11 N3657800 E489228				Elevation (ft):	280	
PLSS:	T13S, R02W (S)				Acres:	423.5	
Location:	LAKE HODGES; SSW OF ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	OBSERVATION BY BRATTSTROM. DATE UNKNOWN.						
Owner/Manager:	UNKNOWN						

Occurrence No.	1184	Map Index:	70783	EO Index:	71695	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-02-06
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31025 / -117.34117				Accuracy:	1/5 mile	
UTM:	Zone-11 N3685734 E468241				Elevation (ft):	85	
PLSS:	T10S, R04W, Sec. 18 (S)				Acres:	0.0	
Location:	SANTA MARGARITA RIVER, NE OF LANDING FIELD, CAMP PENDLETON.						
Detailed Location:	LOCATION GIVEN AS "200 M E OF OLD RANCHO SANTA MARGARITA RANCH HOUSE, SANTA MARGARITA RIVER, CAMP PENDLETON".						
Ecological:							
General:	D.C. HOLLAND COLLECTED 3 TURTLES (LACM #152564-152656) ON AN UNKNOWN DATE.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Anniella stebbinsi	Element Code: ARACC01060



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Southern California legless lizard

Listing Status: **Federal:** None **CNDDDB Element Ranks:** **Global:** G3
State: None **State:** S3
Other: CDFW_SSC-Species of Special Concern, USFS_S-Sensitive
Habitat: **General:** GENERALLY SOUTH OF THE TRANSVERSE RANGE, EXTENDING TO NORTHWESTERN BAJA CALIFORNIA. OCCURS IN SANDY OR LOOSE LOAMY SOILS UNDER SPARSE VEGETATION. DISJUNCT POPULATIONS IN THE TEHACHAPI AND PIUTE MOUNTAINS IN KERN COUNTY.
Micro: VARIETY OF HABITATS; GENERALLY IN MOIST, LOOSE SOIL. THEY PREFER SOILS WITH A HIGH MOISTURE CONTENT.

Occurrence No. 19 **Map Index:** A4775 **EO Index:** 106472 **Element Last Seen:** 2017-03-15
Occ. Rank: Poor **Presence:** Presumed Extant **Site Last Seen:** 2017-03-15
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-05-18

Quad Summary: Bonsall (3311732)

County Summary: San Diego

Lat/Long: 33.33623 / -117.15175 **Accuracy:** 1/10 mile
UTM: Zone-11 N3688573 E485878 **Elevation (ft):** 270
PLSS: T10S, R03W, Sec. 1, W (S) **Acres:** 18.0

Location: NORTH SIDE OF HWY 76 ON BOTH SIDES OF PANKEY RD, JUST E OF I-15, ABOUT 4.75 MILES SW OF PALA.

Detailed Location: FORMERLY A. P. PULCHRA EO #106. MAPPED TO INCLUDE PROVIDED COORDINATES.

Ecological: ACTIVE CONSTRUCTION SITE IN ROW, IN NON-NATIVE GRASSLAND W/ FINE, FRIABLE SOIL. UNDEVELOPED LAND N & W. CONSTRUCTION MONITOR REPORTED IN 2016 THAT HABITAT WAS NEARLY ALL GONE, & IN 2017, THAT POPULATION WAS GOOD, BUT SITE CONDITION POOR.

General: 2 KILLED BY CONSTRUCTION WORK 12 DEC 2016; A 3RD WAS INJURED & RELEASED OFF WORK SITE. 2 KILLED DURING EXCAVATION/GRADING ON 14 DEC 2016. 5 UNCOVERED DURING CONSTRUCTION ON 15 MAR 2017; ONE WAS INJURED; ALL WERE RELOCATED OUTSIDE WORKSITE.

Owner/Manager: CALTRANS

Occurrence No. 196 **Map Index:** 44537 **EO Index:** 112619 **Element Last Seen:** 1940-05-XX
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1940-05-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2018-09-20

Quad Summary: Bonsall (3311732), Morro Hill (3311733), Temecula (3311742), Fallbrook (3311743)

County Summary: San Diego

Lat/Long: 33.37646 / -117.25196 **Accuracy:** 1 mile
UTM: Zone-11 N3693051 E476563 **Elevation (ft):** 700
PLSS: T09S, R04W, Sec. 24 (S) **Acres:** 0.0

Location: FALLBROOK.

Detailed Location: LOCATION ONLY STATED AS "NEAR FALLBROOK." THIS WAS COLLECTED BY THE U.S. BIOLOGICAL SURVEY AND MAY HAVE BEEN COLLECTED FROM WHAT BECAME THE FALLBROOK NAVAL RESERVATION IN 1942, NOW NAVAL WEAPONS STATION, JUST WEST OF FALLBROOK.

Ecological:

General: 3 WERE COLLECTED IN MAY 1940.

Owner/Manager: UNKNOWN, DOD



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Occurrence No.	197	Map Index:	B0750	EO Index:	112620	Element Last Seen:	2014-03-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-03-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29388 / -117.21885				Accuracy:	80 meters	
UTM:	Zone-11 N3683888 E479624				Elevation (ft):	171	
PLSS:	T10S, R03W, Sec. 20 (S)				Acres:	5.0	
Location:	EAST SIDE OF OF SAN LUIS REY RIVER ABOUT 0.2 MILES EAST OF HWY 76 AT S MISSION RD, BONSCALL.						
Detailed Location:	NEAR CENTER OF SECTION 20.						
Ecological:	HABITAT DESCRIBED AS SANDY BOTTOMED COASTAL RIPARIAN CANYON. FOUND UNDER A REFRIGERATOR DOOR WITH A SIDE-BLOTCHED LIZARD (UTA STANSBURIANA).						
General:	1 FOUND BY ARTIFICIAL COVER FLIPPING AND PHOTOGRAPHED ON 5 MAR 2014.						
Owner/Manager:	SDG COUNTY-SAN LUIS REY RIVER						

Occurrence No.	198	Map Index:	04182	EO Index:	112621	Element Last Seen:	1936-10-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1936-10-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-21
Quad Summary:	Pala (3311731), Pechanga (3311741)						
County Summary:	San Diego						
Lat/Long:	33.36447 / -117.07586				Accuracy:	1 mile	
UTM:	Zone-11 N3691696 E492942				Elevation (ft):	400	
PLSS:	T09S, R02W, Sec. 27 (S)				Acres:	0.0	
Location:	PALA.						
Detailed Location:	LOCATION ONLY GIVEN AS PALA; MAPPED TO THE GENERAL AREA. LIKELY COLLECTED FROM NEAR THE SAN LUIS REY RIVER, OR MAYBE THE CANYONS OF PALA CREEK OR TRUJILLO CREEK.						
Ecological:							
General:	1 COLLECTED ON 27 OCT 1936.						
Owner/Manager:	UNKNOWN						

Occurrence No.	226	Map Index:	B0856	EO Index:	112736	Element Last Seen:	2011-04-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2011-04-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-27
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06489 / -117.02175				Accuracy:	80 meters	
UTM:	Zone-11 N3658480 E497970				Elevation (ft):	764	
PLSS:	T13S, R01W, Sec. 7, NE (S)				Acres:	5.0	
Location:	0.1 MI N OF HIGHLAND VALLEY RD 0.8 ROAD MI W OF BANDY CANYON RD, 2.8 MI ESE OF I-15 AT VIA RANCHO PKWY, SE OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT DESCRIBED AS SAGE SCRUB HILLSIDE.						
General:	1 FOUND BY ROCK FLIPPING AND PHOTOGRAPHED ON 3 APR 2011.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	227	Map Index:	04194	EO Index:	112740	Element Last Seen:	1952-04-15
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1952-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-27
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE TOWN OF ESCONDIDO. POSSIBLY COLLECTED FROM THE MARGINS OF ESCONDIDO CREEK.						
Ecological:	DOWNTOWN ESCONDIDO S OF ESCONDIDO CRK WAS WELL DEVELOPED BY 1900 (1893 TOPO MAP). 1939 AERIALS SHOW MOST OF THE VALLEY AS FARM LAND SURROUNDING DOWNTOWN ESCONDIDO. ESCONDIDO CRK WAS TURNED INTO A CONCRETE LINED CHANNEL BETWEEN 1963 & 1974.						
General:	1 COLLECTED ON 15 APR 1952.						
Owner/Manager:	UNKNOWN						

Occurrence No.	228	Map Index:	B0862	EO Index:	112742	Element Last Seen:	193X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	193X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02032 / -117.20281				Accuracy:	1 mile	
UTM:	Zone-11 N3653557 E481059				Elevation (ft):	245	
PLSS:	T13S, R03W, Sec. 28 (S)				Acres:	1987.0	
Location:	RANCHO SANTA FE.						
Detailed Location:	MAPPED NON-SPECIFICALLY TO THE AREA OF RANCHO SANTA FE BASED ON 1937 & 1939 AERIALS, AND 1949 TOPOGRAPHIC MAP. MAY HAVE BEEN COLLECTED FROM NEAR THE SAN DIEGUITO RIVER.						
Ecological:	AERIALS FROM 1937, 1939, AND 1947 INDICATE THAT THE AREA WAS SPARSELY POPULATED AND CONSISTED LARGELY OF ORCHARDS.						
General:	KNOWN FROM THE AREA OF RANCHO SANTA FE BY KLAUBER BEFORE 1932; UNABLE TO LOCATE FURTHER INFORMATION. NEEDS MODERN FIELD RESEARCH AND REPORTING.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	229	Map Index:	57632	EO Index:	112747	Element Last Seen:	1892-05-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1892-05-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.18542 / -117.15462				Accuracy:	1 mile	
UTM:	Zone-11 N3671853 E485585				Elevation (ft):	720	
PLSS:	T11S, R03W, Sec. 25 (S)				Acres:	0.0	
Location:	VICINITY OF THE TOWN OF TWIN OAKS, TWIN OAKS VALLEY.						
Detailed Location:	MAPPED NON-SPECIFICALLY TO THE LOCATION OF THE HISTORIC COMMUNITY OF TWIN OAKS AND TWIN OAKS VALLEY WITH RESPECT TO 1893 & 1949 TOPOGRAPHIC MAPS.						
Ecological:	THE EARLIEST AERIALS FROM 1939 INDICATE THIS AREA WAS PRIMARILY AGRICULTURE AND REMAINED THAT WAY UNTIL THE 1960S. MORE RESIDENTIAL DEVELOPMENT HAS OCCURRED SINCE THE 1990S. IT APPEARS THAT THERE MAY BE SOME AREAS OF OPEN SPACE AND REFUGIA.						
General:	2 COLLECTED ON 9 JUL 1891. 1 COLLECTED ON 16 MAY 1892.						
Owner/Manager:	UNKNOWN						

Occurrence No.	230	Map Index:	B0868	EO Index:	112751	Element Last Seen:	2015-02-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-27
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23848 / -117.33603				Accuracy:	specific area	
UTM:	Zone-11 N3677776 E468694				Elevation (ft):	53	
PLSS:	T11S, R04W, Sec. 7, NE (S)				Acres:	8.0	
Location:	JUST NORTH OF REDWOOD ST AT PONDEROSA DR, SOUTH OF THE SAN LUIS REY RIVER AND WHELAN LAKE, OCEANSIDE.						
Detailed Location:	WITHIN THE SAN LUIS REY OPEN SPACE AND SOUTH OF THE SAN LUIS REY RIVER TRAIL.						
Ecological:	HABITAT DESCRIBED AS A FIELD ADJACENT TO SANDY RIVER CHANNEL, HIGHLY DISTURBED.						
General:	3 WERE FOUND BY FLIPPING ARTIFICIAL COVER OBJECTS AND PHOTOGRAPHED ON 24 FEB 2015.						
Owner/Manager:	CITY OF OCEANSIDE						



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Occurrence No.	231	Map Index:	B0878	EO Index:	112760	Element Last Seen:	1971-07-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1971-07-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14466 / -117.32428				Accuracy:	non-specific area	
UTM:	Zone-11 N3667371 E469756				Elevation (ft):	25	
PLSS:	T12S, R04W, Sec. 8, S (S)				Acres:	223.0	
Location:	NORTH SIDE OF AGUA HEDIONDA, CARLSBAD.						
Detailed Location:	EXACT LOCATION UNKNOWN; MAPPED NON-SPECIFICALLY TO THE GENERAL AREA OF THE NORTH SIDE OF AGUA HEDIONDA. POSSIBLY COLLECTED FROM THE NORTH-EASTERN END AT THE AGUA HEDIONDA LAGOON ECOLOGICAL RESERVE.						
Ecological:	THE NORTH-WESTERN END OF THE OF THE LAGOON WAS MORE DEVELOPED BY THE 1960S, WHEREAS THE NORTH-EASTERN END APPEARED MORE NATURAL. MORE AREA OF THE NORTHERN SIDE WAS DEVELOPED AS RESIDENTIAL BY THE 1990S.						
General:	4 COLLECTED ON 9 JUL 1971.						
Owner/Manager:	UNKNOWN						

Occurrence No.	232	Map Index:	B0886	EO Index:	112765	Element Last Seen:	2018-05-14
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2018-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-07
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06812 / -117.30332				Accuracy:	3/5 mile	
UTM:	Zone-11 N3658879 E471687				Elevation (ft):	62	
PLSS:	T13S, R04W, Sec. 4, S (S)				Acres:	776.0	
Location:	LEUCADIA.						
Detailed Location:	LIKELY NEAR THE COASTAL BEACH AREA. SOUTH COAST PARK WAS A NAME FOR THE MASTER PLANNED COMMUNITY IN THE 1920S, NAMED AFTER THE SOUTH COAST LAND COMPANY, EQUIVALENT TO LEUCADIA.						
Ecological:	THE AREA WAS SPARSELY POPULATED BASED ON 1930S AERIAL IMAGES, AND WELL DEVELOPED IN 1963 AERIAL. I-5 WAS APPARENTLY CONSTRUCTED BETWEEN 1963 AND 1975.						
General:	1 COLLECTED ON 22 APR 1926. 1 COLLECTED ON 28 JUL 1965. 1 FOUND AND PHOTOGRAPHED ON 14 MAY 2018.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	233	Map Index:	B0887	EO Index:	112770	Element Last Seen:	2017-02-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-02-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-07
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04044 / -117.29324				Accuracy:	non-specific area	
UTM:	Zone-11 N3655808 E472620				Elevation (ft):	75	
PLSS:	T13S, R04W, Sec. 16 (S)				Acres:	2146.0	
Location:	ENCINITAS AND CARDIFF-BY-THE-SEA.						
Detailed Location:	EXACT LOCATIONS UNKNOWN. LIKELY COLLECTED FROM THE COASTAL BEACH AREAS.						
Ecological:							
General:	1 COLLECTED ON 8 JUN 1930, SHIPPED ALIVE TO BURT IN KANSAS WHO PUBLISHED SOME BEHAVIORAL OBSERVATIONS. 1 COLLECTED ON 11 JUN 1930; 2 ON 4 DEC 1930; 4 IN 1943; AND 1 ON 6 MAR 1975. 1 FOUND AND PHOTOGRAPHED ON 14 FEB 2017.						
Owner/Manager:	UNKNOWN						

Occurrence No.	264	Map Index:	B0970	EO Index:	112859	Element Last Seen:	193X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	193X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-03
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06476 / -117.11343				Accuracy:	1 mile	
UTM:	Zone-11 N3658472 E489411				Elevation (ft):	437	
PLSS:	T13S, R02W, Sec. 8 (S)				Acres:	1987.0	
Location:	HISTORIC CRESCENT VALLEY UNDER LAKE HODGES, NEAR DEL DIOS, ABOUT 4 MILES SSW OF ESCONDIDO.						
Detailed Location:	THERE ARE SOURCES DESCRIBING THE LOCATION OF CRESCENT VALLEY, BUT IT IS NOT LABELED ON HISTORIC MAPS FROM 1893-1950. THE LOCATION HAS BEEN DESCRIBED AS DOWNSTREAM OF BERNARDO NEAR PRESENT DAY DEL DIOS, WHERE THE VALLEY IS CRESCENT SHAPED.						
Ecological:	HODGES DAM WAS COMPLETED IN 1918-1919 FLOODING WHAT WAS THEN KNOWN AS CRESCENT VALLEY, DOWNSTREAM OF THE TOWN OF BERNARDO.						
General:	KNOWN TO OCCUR IN THIS AREA BY KLAUBER BEFORE HE PUBLISHED HIS 1932 ARTICLE ON LEGLESS LIZARDS. NEEDS CONTEMPORARY FIELD RESEARCH AND REPORTING.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	382	Map Index:	B1351	EO Index:	113258	Element Last Seen:	2018-01-29
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-01-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-07
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16919 / -117.35633				Accuracy:	non-specific area	
UTM:	Zone-11 N3670100 E466777				Elevation (ft):	11	
PLSS:	T11S, R05W, Sec. 36, S (S)				Acres:	10.0	
Location:	BUENA VISTA AUDUBON SOCIETY NATURE CENTER, E SIDE OF CARLSBAD BLVD, BUENA VISTA LAGOON ECOLOGICAL RESERVE, OCEANSIDE.						
Detailed Location:							
Ecological:							
General:	1 FOUND AND PHOTOGRAPHED ON 14 OCT 2014, AND ONE ON 29 JAN 2018.						
Owner/Manager:	AUDUBON, DFG						

Occurrence No.	383	Map Index:	B1617	EO Index:	113529	Element Last Seen:	2017-01-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-01-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-11
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36014 / -117.09904				Accuracy:	80 meters	
UTM:	Zone-11 N3691217 E490786				Elevation (ft):	343	
PLSS:	T09S, R02W, Sec. 28, SW (S)				Acres:	5.0	
Location:	VICINITY OF THE SAN LUIS REY RIVER FLOODPLAIN, 0.28 MILES S OF HWY 76 AT GOMEZ CREEK, WEST OF PALA.						
Detailed Location:							
Ecological:							
General:	1 FOUND DEAD ALONG WHAT APPEARS TO BE A DIRT ROAD ON 23 JAN 2017.						
Owner/Manager:	UNKNOWN						

<i>Phrynosoma blainvillii</i>			Element Code: ARACF12100		
coast horned lizard					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G4
	State:	None		State:	S4
	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern			
Habitat:	General:	FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.			
	Micro:	OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.			



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Occurrence No.	91	Map Index:	04386	EO Index:	28104	Element Last Seen:	1961-07-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1961-07-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-22
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.09234 / -116.99690				Accuracy:	non-specific area	
UTM:	Zone-11 N3661524 E500289				Elevation (ft):	400	
PLSS:	T12S, R01W, Sec. 33, NW (S)				Acres:	147.0	
Location:	ALONG SAN PASQUAL VALLEY RD (HWY 78) IN THE VICINITY OF SAN DIEGO WILD ANIMAL PARK, ABOUT 4.5 MILES ESE OF ESCONDIDO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED WITH RESPECT TO STATED LOCALITY OF "4.5 MILE E ESCONDIDO ON HIGHWAY 78."						
Ecological:							
General:	1 COLLECTED BY D.R. PAULSON ON 3 JUL 1961 (LACM #62206).						
Owner/Manager:	UNKNOWN						

Occurrence No.	195	Map Index:	04014	EO Index:	28028	Element Last Seen:	1936-05-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1936-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-01-10
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04556 / -117.12889				Accuracy:	3/5 mile	
UTM:	Zone-11 N3656345 E487965				Elevation (ft):	314	
PLSS:	T13S, R02W, Sec. 18 (S)				Acres:	0.0	
Location:	HODGES DAM, ABOUT 6 MI SSW OF ESCONDIDO.						
Detailed Location:	MAPPED TO PROVIDED LOCALITY "HODGES DAM." EXACT LOCALITY UNKNOWN.						
Ecological:							
General:	1 COLLECTED BY F.M. COTA ON 5 MAY 1936 (SDNHM #25449).						
Owner/Manager:	PVT						

Occurrence No.	306	Map Index:	20500	EO Index:	9888	Element Last Seen:	1990-07-10
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1990-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-01-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08139 / -117.13324				Accuracy:	1/10 mile	
UTM:	Zone-11 N3660318 E487564				Elevation (ft):	1360	
PLSS:	T12S, R02W, Sec. 31, SW (S)				Acres:	0.0	
Location:	ONE MI NW OF LAKE HODGES (DEL DIOS) AND ONE MI SOUTH OF HARMONY GROVE.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA.						
General:	1 LIZARD OBSERVED.						
Owner/Manager:	PVT						



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Occurrence No.	382	Map Index:	21278	EO Index:	21383	Element Last Seen:	1998-04-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09750 / -117.21530				Accuracy:	non-specific area	
UTM:	Zone-11 N3662116 E479909				Elevation (ft):	380	
PLSS:	T12S, R03W, Sec. 29, SE (S)				Acres:	15.0	
Location:	SOUTH OF SAN MARCOS CREEK, EAST OF RANCHO SANTA FE RD, SW OF QUESTHAVEN RD, IN SOUTHWESTERN SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS MAINLY OF COASTAL SAGE SCRUB/NATIVE GRASSLAND ECOTONE. MUCH OF THE AREA BURNED IN OCT 1996.						
General:	AT LEAST TWO OBSERVED DURING QUINO CHECKERSPOT SURVEYS IN MAR & APR 1998. SURVEYS WERE CONDUCTED DURING WINTER OF 1989 AND SPRING OF 1990; TWO INDIVIDUALS OBSERVED IN LOW SCRUB.						
Owner/Manager:	PVT						

Occurrence No.	386	Map Index:	21681	EO Index:	12552	Element Last Seen:	1991-07-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-07-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-01-06
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05302 / -117.10971				Accuracy:	1/5 mile	
UTM:	Zone-11 N3657170 E489757				Elevation (ft):	640	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	2.7 MI NW OF I-15/BLACK MOUNTAIN ROAD JUNCTION, SOUTH OF LAKE HODGES, 3 MI NW OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL SAGE SCRUB.						
General:	INDIVIDUALS OBSERVED DURING A PREVIOUS SURVEY IN 1986. ONLY SCAT OBSERVED DURING 1991 SURVEY ON 9-10 MAY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	388	Map Index:	21726	EO Index:	18889	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00499 / -117.15244				Accuracy:	80 meters	
UTM:	Zone-11 N3651850 E485760				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 36, NW (S)				Acres:	0.0	
Location:	LUSARDI CREEK, 1.5 MILES SOUTHEAST OF CONFLUENCE WITH SAN DIEGUITO RIVER.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB HABITAT; DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. RIPARIAN HABITAT IN STREAM.						
General:	ONE SIGHTING DURING SURVEYS CONDUCTED FROM OCTOBER, 1989 TO JUNE, 1991.						
Owner/Manager:	PVT						

Occurrence No.	391	Map Index:	21756	EO Index:	20170	Element Last Seen:	1991-05-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-01-06
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02876 / -117.09712				Accuracy:	80 meters	
UTM:	Zone-11 N3654479 E490930				Elevation (ft):	1000	
PLSS:	T13S, R02W (S)				Acres:	0.0	
Location:	1.1 MI WNW OF THE I-15/RANCHO BERNARDO ROAD JUNCTION.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF CHAPARRAL.						
General:	ONE LIZARD OBSERVATION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	392	Map Index:	21758	EO Index:	8177	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-02-01
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10290 / -117.23219				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662718 E478334				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 30, E (S)				Acres:	0.0	
Location:	ABOUT 1.5 MILES WSW OF THE LAKE SAN MARCOS DAM, 0.5 MILE WEST OF JUNCTION OF SAN MARCOS CREEK AND SANTA FE ROAD.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB DOMINATED BY CALIFORNIA SAGEBRUSH.						
General:	ONE OBSERVATION REPORTED IN 1992 BUT DATE OF OBSERVATION NOT GIVEN.						
Owner/Manager:	PVT						



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Occurrence No.	393	Map Index:	21423	EO Index:	8202	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-02-11
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11617 / -117.26779				Accuracy:	1/5 mile	
UTM:	Zone-11 N3664197 E475016				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 23 (S)				Acres:	0.0	
Location:	JUST EAST OF EL CAMINO REAL. 1 MILE NORTH OF JUNCTION OF EL CAMINO REAL AND ALGA ROAD.						
Detailed Location:							
Ecological:	SOUTHERN MARITIME CHAPARRAL, SOME DISTURBED.						
General:	TWO OBSERVATIONS WITHIN ABOUT 1000 FT OF EACH OTHER WERE REPORTED IN 1992 BUT NO DATE GIVEN FOR ACTUAL OBSERVATION.						
Owner/Manager:	PVT						

Occurrence No.	406	Map Index:	30817	EO Index:	4175	Element Last Seen:	1994-04-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1994-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-02-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06456 / -117.01977				Accuracy:	80 meters	
UTM:	Zone-11 N3658444 E498154				Elevation (ft):	750	
PLSS:	T13S, R01W, Sec. 07 (S)				Acres:	0.0	
Location:	JUST NORTH OF HIGHLAND VALLEY ROAD, AT ITS CREST, JUST BEFORE IT DROPS DOWN INTO HIGHLAND VALLEY, NW OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND MALOSMA LAURINA. RUFIOUS-CROWNED SPARROWS ALSO PRESENT AT THIS SITE.						
General:	1 JUVENILE LIZARD FOUND IN A SANDY AREA CREATED BY AN ERODED ROAD-CUT.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	428	Map Index:	39935	EO Index:	34937	Element Last Seen:	1989-08-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1989-08-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-10-13
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36722 / -117.04848				Accuracy:	1/10 mile	
UTM:	Zone-11 N3691999 E495490				Elevation (ft):	620	
PLSS:	T09S, R02W, Sec. 25 (S)				Acres:	0.0	
Location:	0.6 MILE UP MAGEE ROAD OFF HIGHWAY 76 (THOMAS MAP PG 400, SQUARE D2).						
Detailed Location:							
Ecological:	COASTAL SAGE, SPECIES IN ORDER OF DOMINANCE: ARTEMISIA SP; ERIOGONUM FASCICULATUM; MALOSMA LAURINA. 5% GRASS COVER. LARGE FIELD OF SAND DUNES (ABOUT 180 X 70 METERS) JUST OVER THE HILL.						
General:	1 HORNED LIZARD OBSERVED, 1989. ALSO OBSERVED 1 CNEMIDOPHORUS HYPERYTHRUS (LINES JOINING AT TAIL, BUT WERE VERY FADED).						
Owner/Manager:	BIA-PALA RES						

Occurrence No.	442	Map Index:	41891	EO Index:	41891	Element Last Seen:	1999-04-28
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1999-04-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-11-01
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22874 / -117.19857				Accuracy:	80 meters	
UTM:	Zone-11 N3676663 E481498				Elevation (ft):	1120	
PLSS:	T11S, R03W, Sec. 09, SE (S)				Acres:	0.0	
Location:	SAN MARCOS MOUNTAINS, 1.5 MI E OF E VISTA WAY (S13) AT E TAYLOR ST, 2 MILES NE OF VISTA.						
Detailed Location:	LIZARD FOUND BASKING ON A RECENT ROADCUT. MAPPED ACCORDING TO THE ATTACHED LOCATION MAPS.						
Ecological:	HABITAT CONSISTS OF MAFIC SOUTHERN CHAPARRAL, DOMINATED BY CERCOCARPUS, ADENOSTOMA, MALOSMA, RHUS OVATA, CEANOTHUS CUNEATUS, AND SALVIA MELLIFERA. SITE SITS ON CLAY SOILS. ORANGE-THROATED WHIPTAIL ALSO OBSERVED DURING FIELD SURVEY 1999.						
General:	1 ADULT OBSERVED ON 28 APR 1999. BON03R0001 IS DRAFT EIR FOR PROJECT & INCLUDES LEA99F0016 INFOMATION.						
Owner/Manager:	PVT						

Occurrence No.	446	Map Index:	43535	EO Index:	43535	Element Last Seen:	1991-06-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-06-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2000-08-21
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.19153 / -117.11280				Accuracy:	non-specific area	
UTM:	Zone-11 N3672525 E489485				Elevation (ft):	1100	
PLSS:	T11S, R02W, Sec. 29, NW (S)				Acres:	20.4	
Location:	0.5 MILE EAST OF I-395, 4 MILES NNW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SUCCESSIONAL SAGE SCRUB.						
General:	2 ADULTS, PLUS SCATS, OBSERVED ON 18 JUN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	455	Map Index:	44710	EO Index:	44710	Element Last Seen:	1997-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-01-10
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13962 / -117.25401				Accuracy:	80 meters	
UTM:	Zone-11 N3666794 E476308				Elevation (ft):	340	
PLSS:	T12S, R04W, Sec. 12 (S)				Acres:	0.0	
Location:	CARLSBAD OAKS PROPERTY, 0.75 MILE SOUTH OF MT HINTON, 1 MILE NW OF EL CAMINO REAL & PALOMAR AIRPORT ROAD, CARLSBAD.						
Detailed Location:	CARLSBAD OAKS NORTH BUSINESS PARK PROPERTY ON THE EASTERN EDGE OF THE CITY OF CARLSBAD.						
Ecological:	SOUTHERN MIXED CHAPARRAL.						
General:	SPECIES OBSERVED, NUMBER NOT GIVEN, 1997.						
Owner/Manager:	PVT						

Occurrence No.	456	Map Index:	46912	EO Index:	46912	Element Last Seen:	2001-11-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2001-11-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-01-03
Quad Summary:	Boucher Hill (3311638), Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.27379 / -117.00318				Accuracy:	1/5 mile	
UTM:	Zone-11 N3681639 E499703				Elevation (ft):	1640	
PLSS:	T10S, R01W, Sec. 29, SE (S)				Acres:	0.0	
Location:	2.75 MILES SW OF RINCON & 4.4 MILES SE OF WEAVER MTN; VICINITY OF HINMAN RD & SADDLEBACK RD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB INCLUDING ARTEMISIA CALIFORNICA AND ERIOGONUM FASCICULATUM. SOILS ARE FALLBROOK SERIES. CORONADO SKINK OBSERVED IN AREA.						
General:	23 NOV 2001: AGE AND NUMBER OF INDIVIDUALS UNKNOWN. PRESENCE DETERMINED BY SCATS SURROUNDING ANT HILLS.						
Owner/Manager:	PVT						

Occurrence No.	475	Map Index:	51052	EO Index:	51052	Element Last Seen:	2002-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08636 / -117.15281				Accuracy:	80 meters	
UTM:	Zone-11 N3660871 E485739				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 36, SW (S)				Acres:	0.0	
Location:	NORTH OF HARMONY GROVE ROAD, ALONG SAN ELIJO CANYON; APPROXIMATELY 1.2 MILES SW OF HARMONY GROVE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED BETWEEN 8 MAY AND 23 MAY 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	476	Map Index:	51059	EO Index:	51059	Element Last Seen:	2002-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06936 / -117.19381				Accuracy:	80 meters	
UTM:	Zone-11 N3658992 E481909				Elevation (ft):	460	
PLSS:	T13S, R03W, Sec. 04, SE (S)				Acres:	0.0	
Location:	2 MILES DIRECTLY NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED BETWEEN 8 MAY AND 23 MAY 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	477	Map Index:	51094	EO Index:	51094	Element Last Seen:	2002-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08510 / -117.17930				Accuracy:	non-specific area	
UTM:	Zone-11 N3660735 E483266				Elevation (ft):	700	
PLSS:	T12S, R03W, Sec. 34, S (S)				Acres:	16.7	
Location:	1.7 MILES DIRECTLY SOUTH OF DOUBLE PEAK AND APPROXIMATELY 0.25 MILE NE OF ELFIN FOREST ROAD, SSE OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY SALVIA MELLIFERA WITH MALOSMA LAURINA & MALACOTHAMNUS FASCICULATUS. PATCHES OF LOTUS SCOPARIUS, ERIOGONUM FASCICULATUM & ARTEMISIA CALIFORNICA PRESENT. SCRUB BURNED IN OCT 1996.						
General:	UNKNOWN NUMBER OBSERVED (AT 2 LOCATIONS) BETWEEN 21 MAR & 4 APR 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						



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Occurrence No.	478	Map Index:	51118	EO Index:	51118	Element Last Seen:	1999-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08049 / -117.22045				Accuracy:	80 meters	
UTM:	Zone-11 N3660231 E479425				Elevation (ft):	485	
PLSS:	T12S, R03W, Sec. 32, SW (S)				Acres:	0.0	
Location:	NNW OF THE HEAD OF ENCINITAS CREEK, EAST OF RANCHO SANTA FE ROAD AND APPROXIMATELY 2 MILES NE OF OLIVENHAIN.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF RECOVERING COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND. COASTAL SAGE SCRUB TO NORTH BURNED IN THE 1996 HARMONY GROVE FIRE.						
General:	UNKNOWN NUMBER OBSERVED (1 LOCATION) BETWEEN 30 JUN AND 14 JUL 1999 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	479	Map Index:	51233	EO Index:	51233	Element Last Seen:	1999-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02419 / -117.04804				Accuracy:	1/10 mile	
UTM:	Zone-11 N3653969 E495513				Elevation (ft):	740	
PLSS:	T13S, R02W, Sec. 24, SW (S)				Acres:	0.0	
Location:	0.4 MILE NW THE INTERSECTION OF VALLE VERDE DRIVE AND ESPOLA ROAD, RANCHO BERNARDO-ESCONDIDO AREA.						
Detailed Location:	EAST OF TANNIN DRIVE AND SOUTH OF SOLERA WAY.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED BETWEEN 26 APR AND 13 MAY 1999 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						



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Occurrence No.	480	Map Index:	51248	EO Index:	51248	Element Last Seen:	2002-06-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03537 / -117.00340				Accuracy:	specific area	
UTM:	Zone-11 N3655208 E499682				Elevation (ft):	1450	
PLSS:	T13S, R01W, Sec. 20, NE (S)				Acres:	10.5	
Location:	EAST OF OLD COACH ROAD AND NORTH OF THE GREEN VALLEY TRUCK TRAIL, APPROXIMATELY 3 MILES ENE OF RANCHO BERNARDO.						
Detailed Location:	1 OBSERVATION WAS NEAR A MAJOR ROCK OUTCROPPING.						
Ecological:	HABITAT CONSISTS OF CHAMISE CHAPARRAL AND DIEGAN COASTAL SAGE SCRUB. MAJOR ROCK OUTCROPPINGS IN AREA.						
General:	UNKNOWN NUMBER OBSERVED IN 2 LOCATIONS DURING CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BETWEEN 18 APR & 20 JUN 2002.						
Owner/Manager:	UNKNOWN						

Occurrence No.	511	Map Index:	54788	EO Index:	54793	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34690 / -117.37099				Accuracy:	80 meters	
UTM:	Zone-11 N3689807 E465479				Elevation (ft):	444	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	0.5 MILE SW OF THE INTERSECTION OF BASILONE ROAD & ROBLAR ROAD. CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAY 17. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	1 LIZARD CAPTURED IN PIT-FALL TRAP ARRAY. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THIS ARRAY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	513	Map Index:	52735	EO Index:	54805	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-24
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37526 / -117.34962				Accuracy:	80 meters	
UTM:	Zone-11 N3692944 E467478				Elevation (ft):	850	
PLSS:	T09S, R05W, Sec. 24, SE (S)				Acres:	0.0	
Location:	ABOUT 1.9 MILES NE OF INTERSECTION OF BASILONE RD & ROBLAR RD. ABOUT 0.6 MI SOUTH OF FIRING RANGE. CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAY 26. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	1 CAPTURED IN 1 PIT-FALL TRAP ARRAY. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 CAMP PENDLETON PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THIS ARRAY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	529	Map Index:	59977	EO Index:	60013	Element Last Seen:	2003-04-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-02-14
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06132 / -117.13437				Accuracy:	non-specific area	
UTM:	Zone-11 N3658093 E487455				Elevation (ft):	1000	
PLSS:	T13S, R02W, Sec. 07, NW (S)				Acres:	45.9	
Location:	1 MILE NORTH OF LAKE HODGES DAM, ON THE WEST SIDE OF LAKE HODGES, SSW OF DEL DIOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF MAFIC SOUTHERN MIXED CHAPARRAL ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, 9-70% SLOPES; DOMINATED BY CEANOTHUS VERRUCOSUS, C. OLIGANTHUS, ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, AND RHUS INTEGRIFOLIA.						
General:	1 ADULT OBSERVED ON 4 APR 2003.						
Owner/Manager:	PVT						



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Occurrence No.	534	Map Index:	63753	EO Index:	63848	Element Last Seen:	1990-07-10
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1990-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-01-10
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08406 / -117.12097				Accuracy:	non-specific area	
UTM:	Zone-11 N3660613 E488709				Elevation (ft):	500	
PLSS:	T12S, R02W, Sec. 31, SE (S)				Acres:	60.7	
Location:	0.75 MI NW OF LAKE HODGES (DEL DIOS) AND 1.1 MI SE OF HARMONY GROVE.						
Detailed Location:	MAPPED TO PROVIDED MAP. SPECIMEN LOCALITIES STATED AS "DEL DIOS;" EXACT LOCATION UNKNOWN.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA. UNDEVELOPED IN 2010 AERIAL.						
General:	1 COLLECTED BY T. MYERS ON 13 MAY 1935 (SDNHM #23625). 1 COLLECTED BY L.M. KLAUBER ON 24 APR 1938 (SDNHM #28485). 3 LIZARDS OBSERVED ON 10 JUL 1990.						
Owner/Manager:	PVT						

Occurrence No.	564	Map Index:	76167	EO Index:	77158	Element Last Seen:	2008-05-22
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-08-12
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35260 / -117.11526				Accuracy:	specific area	
UTM:	Zone-11 N3690383 E489275				Elevation (ft):	576	
PLSS:	T09S, R02W, Sec. 32, NW (S)				Acres:	8.0	
Location:	JUST N OF THE INTERSECTION OF HWY 76 (PALA ROAD) AND THE SAN DIEGO AQUEDUCT, ABOUT 2.5 MILES WSW OF PALA.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB. PRIMARILY NON-NATIVE ANNUAL BROMES AND WILD OAT GRASSES WITH CALIFORNIA SAGEBRUSH, CALIFORNIA BUCKWHEAT, LAUREL SUMAC, HOLLY-LEAFED CHERRY, SCRUB OAK, WHITE SAGE, ROPEVINE, AND CHAPARRAL BUSHMALLOW.						
General:	ONE ADULT OBSERVED ALONG EXISTING DIRT ROAD ON 10 APR 2008 AND ANOTHER INDIVIDUAL OBSERVED ON 22 MAY 2008.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	565	Map Index:	76179	EO Index:	77168	Element Last Seen:	2007-06-22
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2007-06-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-11-16
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.33635 / -117.15220				Accuracy:	80 meters	
UTM:	Zone-11 N3688587 E485836				Elevation (ft):	261	
PLSS:	T10S, R03W, Sec. 01, SW (S)				Acres:	0.0	
Location:	JUST N OF HIGHWAY 76 AT PANKEY ROAD, AND E OF "HORSE RANCH CREEK," ABOUT 0.75 MI ENE OF PALA MESA.						
Detailed Location:	SIXTY-FIVE FEET NORTH OF SR 76. MAPPED TO LOCATION DESCRIPTION.						
Ecological:	HABITAT CONSISTS OF NON-NATIVE GRASSLANDS, CONSISTING OF "SHORT-POD MUSTARD, TOCALOTE, HORSEWEED, TELEGRAPHWEED, DOVEWEED, HOREHOUND, RUSSIAN THISTLE, & EXOTIC ANNUAL GRASSES 1-4' TALL." WILLOW SCRUB AND CITRUS/AVOCADO ORCHARDS IN VICINITY.						
General:	ONE 4 INCH JUVENILE WAS OBSERVED ON THE EDGE OF AN OCCASSIONALLY DISKED FALLOW FIELD SUPPORTING NON-NATIVE GRASSES. ALSO OBSERVED A LEAST BELL'S VIREO, YELLOW WARBLER, AND YELLOW-BREASTED CHAT.						
Owner/Manager:	UNKNOWN						

Occurrence No.	776	Map Index:	58929	EO Index:	83037	Element Last Seen:	1931-04-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1931-04-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-03-17
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20553 / -117.22890				Accuracy:	1 mile	
UTM:	Zone-11 N3674096 E478666				Elevation (ft):	500	
PLSS:	T11S, R03W, Sec. 19 (S)				Acres:	0.0	
Location:	VISTA, SAN DIEGO COUNTY.						
Detailed Location:	SDNHM #4343 LOCALITY STATED AS "VISTA, SAN DIEGO COUNTY." EXACT LOCATION IS UNKNOWN. MAPPED IN THE VICINTY OF VISTA.						
Ecological:							
General:	SDNHM SPECIMEN #4343 COLLECTED BY P. MYERS ON 11 APR 1931.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	789	Map Index:	04194	EO Index:	84042	Element Last Seen:	1929-06-13
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1929-06-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-09-20
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809			Accuracy:	1 mile		
UTM:	Zone-11 N3664012 E492714			Elevation (ft):	690		
PLSS:	T12S, R02W, Sec. 22 (S)			Acres:	0.0		
Location:	ESCONDIDO.						
Detailed Location:	MAPPED TO GENERAL PROVIDED LOCALITY OF "ESCONDIDO, SAN DIEGO." EXACT LOCATION UNKNOWN.						
Ecological:	AREA HAS BEEN DEVELOPED (2010 AERIAL).						
General:	2 SPECIMENS COLLECTED ON 30 MAY (SDNHM #11909-10); 4 SPECIMENS COLLECTED ON 13 JUN 1929 (SDNHM #11992-5) BY F.E. WALKER.						
Owner/Manager:	UNKNOWN						
Occurrence No.	801	Map Index:	68534	EO Index:	85726	Element Last Seen:	1937-06-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1937-06-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-01-10
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29014 / -117.22399			Accuracy:	1 mile		
UTM:	Zone-11 N3683475 E479144			Elevation (ft):	160		
PLSS:	T10S, R03W, Sec. 20 (S)			Acres:	0.0		
Location:	BONSALL.						
Detailed Location:	MAPPED TO PROVIDED LOCALITY OF "BONSALL." EXACT LOCATION UNKNOWN.						
Ecological:							
General:	1 COLLECTED BY L.M. KLAUBER ON 11 JUN 1937 (SDNHM #27258).						
Owner/Manager:	UNKNOWN						
Occurrence No.	802	Map Index:	84703	EO Index:	85728	Element Last Seen:	1937-06-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1937-06-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-09-20
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.21839 / -117.03420			Accuracy:	1 mile		
UTM:	Zone-11 N3675499 E496812			Elevation (ft):	1430		
PLSS:	T11S, R02W, Sec. 13 (S)			Acres:	0.0		
Location:	VICINITY OF VALLEY CENTER, 1.6 MI ESE OF HIDEAWAY LAKE.						
Detailed Location:	MAPPED TO THE VICINITY OF STATED LOCALITY, "VALLEY CENTER." EXACT LOCATION UNKNOWN.						
Ecological:							
General:	1 COLLECTED BY T. ROCKWELL ON 30 JUN 1937 (SDNHM #27529).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	909	Map Index:	B3703	EO Index:	116614	Element Last Seen:	2016-03-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-08-13
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37593 / -117.30792				Accuracy:	specific area	
UTM:	Zone-11 N3693006 E471358				Elevation (ft):	181	
PLSS:	T09S, R04W, Sec. 21, SW (S)				Acres:	10.0	
Location:	SE SIDE SANTA MAGARITA RIVER, ABOUT 1.3 MI NE OF THE DE LUZ CK CONFLUENCE & 2.9 MI WNW OF AMMUNITION RD AT ALTURAS RD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. NW SIDE OF FALLBROOK NAVAL WEAPONS STATION.						
Ecological:	SANDY TERRACE ALONG THE SANTA MARGARITA RIVER.						
General:	1 ADULT FEMALE CAUGHT AND RELEASED DURING PITFALL TRAPPING ON 9 MAR 2016. 3 JUVENILES OBSERVED INCIDENTALLY ON 16 MAR 2016.						
Owner/Manager:	DOD-FALLBROOK NWS						

<i>Plestiodon skiltonianus interparietalis</i>						Element Code: ARACH01114	
Coronado skink							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G5T5
	State:	None				State:	S2S3
	Other:	BLM_S-Sensitive, CDFW_WL-Watch List					
Habitat:	General:	GRASSLAND, CHAPARRAL, PINON-JUNIPER AND JUNIPER SAGE WOODLAND, PINE-OAK AND PINE FORESTS IN COAST RANGES OF SOUTHERN CALIFORNIA.					
	Micro:	PREFERS EARLY SUCCESSIONAL STAGES OR OPEN AREAS. FOUND IN ROCKY AREAS CLOSE TO STREAMS AND ON DRY HILLSIDES.					

Occurrence No.	2	Map Index:	26371	EO Index:	3791	Element Last Seen:	1994-12-27
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1994-12-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-02-02
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.09231 / -117.08596				Accuracy:	80 meters	
UTM:	Zone-11 N3661524 E491978				Elevation (ft):	630	
PLSS:	T12S, R02W (S)				Acres:	0.0	
Location:	JUST SW OF THE INTERSECTION OF FELICITA ROAD AND GAMBLE LANE, ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A RUDERAL GRASSLAND EDGE; DOMINANTS INCLUDE AVENA HORDEUM, LOLIUM, BRASSICA GENICULATA, RUMEX CRISPUS, AND AMBROSIA PSILOSTACHYA.						
General:	1 ADULT OBSERVED ON 27 DECEMBER 1994.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	7	Map Index:	37906	EO Index:	32914	Element Last Seen:	1995-05-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-01-14
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24042 / -117.14875				Accuracy:	non-specific area	
UTM:	Zone-11 N3677950 E486142				Elevation (ft):	500	
PLSS:	T11S, R03W, Sec. 12, NE (S)				Acres:	54.2	
Location:	BETWEEN I-15 AND CHAMPAGNE BLVD, NEAR LAWRENCE WELK VILLAGE.						
Detailed Location:	SPECIMENS FOUND BENEATH SURFACE DEBRIS IN GRASSY AREAS.						
Ecological:	HABITAT CONSISTS OF OPEN, GRASSY AREAS SURROUNDED BY CHAMISE CHAPARRAL, RUDERAL, AND COASTAL SAGE SCRUB; DOMINATED BY ADENOSTOMA FASCICULATUM, ERIOGONUM FACICULATUM, OTHERS.						
General:	2 ADULTS OBSERVED ON 17 MAY 1995.						
Owner/Manager:	PVT						

Occurrence No.	9	Map Index:	37909	EO Index:	32916	Element Last Seen:	1996-02-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1996-02-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-19
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36585 / -117.16741				Accuracy:	non-specific area	
UTM:	Zone-11 N3691858 E484425				Elevation (ft):	400	
PLSS:	T09S, R03W, Sec. 26 (S)				Acres:	32.9	
Location:	WEST OF I-395, ALONG THE PALA MESA GOLF CLUB, 5 MILES ESE OF FALLBROOK.						
Detailed Location:	LOCATED ON A SLOPE ABOVE THE GOLF COURSE.						
Ecological:	HABITAT CONSISTS OF A SLOPE ABOVE A GOLF COURSE; VEGETATION INCLUDES ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, AND VARIOUS NATIVE AND WEEDY FORBS.						
General:	1 ADULT FOUND BENEATH A BOARD ON 2 FEB 1996. ~40% OF SITE IS PLANNED TO REMAIN AS OPEN SPACE.						
Owner/Manager:	PVT						

Occurrence No.	23	Map Index:	54788	EO Index:	54788	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34690 / -117.37099				Accuracy:	80 meters	
UTM:	Zone-11 N3689807 E465479				Elevation (ft):	444	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	0.5 MILE SW OF THE INTERSECTION OF BASILONE ROAD & ROBLAR ROAD. CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAYS 17 & 18. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	13 SKINKS CAPTURED IN 2 PIT-FALL TRAP ARRAYS. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THESE ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	24	Map Index:	54795	EO Index:	54795	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34356 / -117.36363				Accuracy:	80 meters	
UTM:	Zone-11 N3689434 E466162				Elevation (ft):	400	
PLSS:	T10S, R05W, Sec. 01, NW (S)				Acres:	0.0	
Location:	0.45 MI SOUTH OF THE INTERSECTION OF BASILONE ROAD AND ROBLAR ROAD. CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAYS 19 & 20. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	26 SKINKS CAPTURED IN 2 PIT-FALL TRAP ARRAYS. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THESE ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	25	Map Index:	52735	EO Index:	54802	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-24
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37526 / -117.34962				Accuracy:	80 meters	
UTM:	Zone-11 N3692944 E467478				Elevation (ft):	850	
PLSS:	T09S, R05W, Sec. 24, SE (S)				Acres:	0.0	
Location:	ABOUT 1.9 MILES NE OF INTERSECTION OF BASILONE RD & ROBLAR RD. ABOUT 0.6 MI SOUTH OF FIRING RANGE, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAY 25. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	1 CAPTURED IN 1 PIT-FALL TRAP ARRAY. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 CAMP PENDLETON PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THIS ARRAY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	33	Map Index:	64112	EO Index:	64207	Element Last Seen:	2006-04-21
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:	2006-04-21	Record Last Updated:	2006-10-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15961 / -117.22029			Accuracy:	specific area		
UTM:	Zone-11 N3669003 E479458			Elevation (ft):	420		
PLSS:	T12S, R03W, Sec. 05 (S)			Acres:	15.0		
Location:	NORTH OF AGUA HEDIONDA CREEK, 0.6 MILE SW OF HIGHWAY 78, SOUTH OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF NON-NATIVE GRASSLAND, DOMINATED BY BROMUS DIANDRUS, BRASSICA GENICULATA, BRASSICA NIGRA, ERODIUM CICUTARIUM, AND OTHER NON-NATIVE WEEDS. PART OF SITE WAS ONCE AN AVOCADO ORCHARD (LIVING TREES/STUMPS PRESENT).						
General:	3 ADULTS OBSERVED ON 15 DEC 2005. ON 21 APR 2006, 1 JUVENILE WAS FOUND UNDER A FLAT BOARD ADJACENT TO AN ABANDONED HOUSE.						
Owner/Manager:	PVT						

Aspidoscelis hyperythra

Element Code: ARACJ02060

orange-throated whiptail

Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G5
	State:	None		State:	S2S3
	Other:	CDFW_WL-Watch List, IUCN_LC-Least Concern, USFS_S-Sensitive			
Habitat:	General:	INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.			
	Micro:	PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.			

Occurrence No.	7	Map Index:	57632	EO Index:	63706	Element Last Seen:	1891-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1891-XX-XX	Record Last Updated:	2012-03-01
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.18542 / -117.15462			Accuracy:	1 mile		
UTM:	Zone-11 N3671853 E485585			Elevation (ft):	720		
PLSS:	T11S, R03W, Sec. 25 (S)			Acres:	0.0		
Location:	TWIN OAKS.						
Detailed Location:	MAPPED TO INCLUDE AREA AROUND TWIN OAKS.						
Ecological:							
General:	USNM #65015, COLLECTED BY C. H. MERRIAM. ACCORDING TO BRATTSTROM, STILL AT SITE OR IN IMMEDIATE VICINITY IN 1990.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	14	Map Index:	04194	EO Index:	63364	Element Last Seen:	1972-11-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1972-11-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-28
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	700	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	MAPPED TO LOCATION LISTED AS "ESCONDIDO."						
Ecological:							
General:	COLLECTED BETWEEN 1889 & 1909 (BAYLOR UNIVERSTIY-MMC R01196 & R02346), ON JUL 1907 (USNM #058483), JUN 1909 (MVZ #1145-1148), NOV 1972 (BYU #41230), & UNK. DATE (MVZ #43581). BRATTSTROM REPORTED SPECIES LIKELY EXTIRPATED IN AREA IN 1990.						
Owner/Manager:	UNKNOWN						

Occurrence No.	29	Map Index:	03855	EO Index:	27672	Element Last Seen:	1990-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-04-07
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34748 / -117.02869				Accuracy:	2/5 mile	
UTM:	Zone-11 N3689811 E497330				Elevation (ft):	595	
PLSS:	T09S, R01W, Sec. 31, SW (S)				Acres:	280.0	
Location:	ABOUT 3.5 MI EAST OF PALA.						
Detailed Location:	MAPPED TO SPECIMEN LOCALITY AND COMMENTS, "PALA; 3.5 MI E OF... ON SAN LUIS REY RIVER BOTTOM; SW SECTION 31; R. 1W, T. 9S."						
Ecological:							
General:	SDNHM #46352 COLLECTED BY C.R. MAHROT 29 JUN 1971. ACCORDING TO BRATTSTROM, STILL EXTANT AT OR NEAR THIS SITE IN 1990.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	96	Map Index:	03954	EO Index:	27649	Element Last Seen:	2007-04-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-07-14
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.23823 / -117.14087				Accuracy:	non-specific area	
UTM:	Zone-11 N3677707 E486875				Elevation (ft):	600	
PLSS:	T11S, R03W, Sec. 12 (S)				Acres:	86.0	
Location:	SOUTH FORK MOOSA CYN, APPROX. 1 MILE SE THE JCT OF INTERSTATE 15 AND GOPHER CANYON RD, 8.5 MILES NNW OF ESCONDIDO.						
Detailed Location:	1986: "HILLSIDES TO THE EAST OF LAWRENCE WELK VILLAGE..."; EASTERN PORTION OF MAPPED FEATURE. 2007: JUST NORTH OF WELK VIEW DRIVE; WESTERN PORTION OF MAPPED FEATURE.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB AND MIXED CHAPARRAL. 2007 OBSERVATION OCCURRED IN AREA PROPOSED TO BE OPEN SPACE. AREA IMMEDIATELY TO THE SOUTH IS DEVELOPED.						
General:	UNKNOWN NUMBER OBSERVED ON 7 MAY 1986. 1 ADULT OBSERVED ON 26 APRIL 2007. CALIFORNIA GNATCATCHER AND SOUTHERN CALIFORNIA RUFOUS-CROWNED SPARROW ALSO OBSERVED AT SITE.						
Owner/Manager:	PVT						
Occurrence No.	97	Map Index:	03998	EO Index:	27648	Element Last Seen:	1986-05-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-05-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22940 / -117.12923				Accuracy:	1/5 mile	
UTM:	Zone-11 N3676726 E487959				Elevation (ft):	1500	
PLSS:	T11S, R02W, Sec. 07, SE (S)				Acres:	0.0	
Location:	HILLSIDE TO E OF LAWRENCE WELK VILLAGE IN NORTHERN SAN DIEGO COUNTY.						
Detailed Location:	1 OBS.						
Ecological:	OPEN, MIXED CHAPARRAL.						
General:							
Owner/Manager:	PVT-TELEKLEW PRODUCTIONS INC						



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Occurrence No.	117	Map Index:	17743	EO Index:	10139	Element Last Seen:	1990-06-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-06-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-11-04
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08124 / -117.22920				Accuracy:	2/5 mile	
UTM:	Zone-11 N3660316 E478608				Elevation (ft):	350	
PLSS:	T12S, R03W, Sec. 31, SE (S)				Acres:	0.0	
Location:	CARLSBAD, NE OF THE INTERSECTION OF LA COSTA AVENUE AND RANCHO SANTA FE ROAD.						
Detailed Location:	2 ADULTS FOUND ABOUT 0.5 MI APART.						
Ecological:	COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM AND HEMIZONIA FASCICUTA DOMINANT. ABOUT 22 ACRES OF DISTURBED COASTAL SAGE SCRUB AND 53 ACRES OF GOOD COASTAL SCRUB HABITAT.						
General:	OTHER SENSITIVE ELEMENTS AT THIS SITE INCLUDE CALIFORNIA GNATCATCHERS AND ADOLPHIA CALIFORNICA.						
Owner/Manager:	PVT						

Occurrence No.	118	Map Index:	17744	EO Index:	10138	Element Last Seen:	1990-07-10
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1990-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08188 / -117.13112				Accuracy:	1/5 mile	
UTM:	Zone-11 N3660372 E487762				Elevation (ft):	800	
PLSS:	T12S, R02W, Sec. 31, SW (S)				Acres:	0.0	
Location:	ABOUT 1 MI NW OF LAKE HODGES (DEL DIOS) AND 0.75 MI S OF HARMONY GROVE.						
Detailed Location:	LOCATION FOR SDNHM #14151 STATED AS "LAKE HODGES."						
Ecological:	PRIMARY PLANT COMMUNITY IS SOUTHERN MIXED CHAPARRAL. DOMINANT PLANTS ARE CEONOTHUS VERRUCOSUS AND ADENOSTOMA FASCICULATUM. SAN DIEGO HORNED LIZARD ALSO FOUND AT THIS SITE.						
General:	1 COLLECTED BY L.H. COOK (SDNHM #14151) ON 7 JUN 1930. ACCORDING TO BRATTSTROM, SPECIES PROBABLY EXISTS AT SITE OR IN IMMEDIATE VICINITY IN 1990. 3 ADULTS FOUND AT 3 LOCATIONS ON THIS SITE ON 10 JUL 1990.						
Owner/Manager:	PVT						



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Occurrence No.	136	Map Index:	22118	EO Index:	9922	Element Last Seen:	1989-06-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1989-06-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-02-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08477 / -117.27935				Accuracy:	1/5 mile	
UTM:	Zone-11 N3660719 E473929				Elevation (ft):	340	
PLSS:	T12S, R04W, Sec. 34, SE (S)				Acres:	0.0	
Location:	MESA TOP JUST SOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	LOCATION FOR SDNHM RECORD STATED AS "LEUCADIA, N, NEAR LA COSTA".						
Ecological:	DISTURBED CHAMISE CHAPARRAL ON MESA TOP.						
General:	SDNHM #49240 COLLECTED BY C.R. MAHROT ON 25 JUL 1970. 1 ADULT SEEN ON 16 JUN 1989. ACCORDING TO BRATTSTROM, STILL AT SITE OR IN IMMEDIATE VICINITY IN 1990.						
Owner/Manager:	PVT						

Occurrence No.	146	Map Index:	20066	EO Index:	9955	Element Last Seen:	1989-04-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1989-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-04-14
Quad Summary:	San Marcos (3311722), Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.25440 / -117.24676				Accuracy:	2/5 mile	
UTM:	Zone-11 N3679517 E477014				Elevation (ft):	140	
PLSS:	T11S, R04W, Sec. 01 (S)				Acres:	0.0	
Location:	ALONG MISSION ROAD, ABOUT 0.5 - 1 MI W OF INTERSECTION WITH VISTA WAY, NEAR SAN LUIS REY RIVER, OCEANSIDE.						
Detailed Location:	CAS LOCATION GIVEN AS 3 MI W OF BONSALE. LOCATION MAPPED TO INCLUDE CAS COORDINATES LOCATED APPROXIMATELY 3 MI DOWNSTREAM FROM BONSALE.						
Ecological:	RIPARIAN WOODLAND. COTTONWOOD, ARROYO WILLOW, MULE FAT, AND SYCAMORE. SITE IS WITHIN A BREEDING TERRITORY FOR LEAST BELL'S VIREO.						
General:	5 COLLECTED (CAS #62895-62899) BY J. R. SLEVIN DURING MAY 1927. ONE ADULT AND 1 UNKNOWN AGE OBSERVED DURING 1989. ACCORDING TO BRATTSTROM, STILL AT SITE OR IN IMMEDIATE VICINITY IN 1990.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	154	Map Index:	20164	EO Index:	9732	Element Last Seen:	1989-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-29
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29859 / -117.22274				Accuracy:	non-specific area	
UTM:	Zone-11 N3684411 E479262				Elevation (ft):	300	
PLSS:	T10S, R03W, Sec. 20 (S)				Acres:	68.0	
Location:	HILL JUST W OF DB RANCH, JUST N OF THE JUNCTION OF MISSION ROAD AND PALA ROAD, 5 MI SSE OF FALLBROOK.						
Detailed Location:	SDNHM LOCATIONS STATED AS "BONSALL."						
Ecological:	HABITAT DESCRIBED AS AN OPEN PATCH OF CLAY SOIL SURROUNDED BY COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND MALOSMA LAURINA.						
General:	SPECIMENS COLLECTED PRIOR TO 1931 BY KLAUBER. 27 SPECIMENS (SDNHM #58845-71) COLLECTED JUL 1963 AND FEB 1964. TWO ADULTS OBSERVED IN 1989. REPORTED AS STILL AT SITE OR IN IMMEDIATE VICINITY BY BRATTSTROM IN 1990.						
Owner/Manager:	UNKNOWN						

Occurrence No.	166	Map Index:	20232	EO Index:	9207	Element Last Seen:	1990-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-12-12
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10120 / -117.31865				Accuracy:	1/5 mile	
UTM:	Zone-11 N3662551 E470267				Elevation (ft):	20	
PLSS:	T12S, R04W (S)				Acres:	0.0	
Location:	SOUTH CARLSBAD STATE BEACH, 0.5 MI N OF PONTO DRIVE RAMP CROSSING OF CARLSBAD BLVD. W OF PONTO DRIVE & CARLSBAD BLVD.						
Detailed Location:							
Ecological:							
General:							
Owner/Manager:	DPR-SOUTH CARLSBAD SB						



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Occurrence No.	174	Map Index:	20650	EO Index:	12032	Element Last Seen:	1989-08-16	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	1989-08-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	2006-03-03
Quad Summary:	Pala (3311731)							
County Summary:	San Diego							
Lat/Long:	33.36563 / -117.05187				Accuracy:	1/10 mile		
UTM:	Zone-11 N3691823 E495174				Elevation (ft):	500		
PLSS:	T09S, R02W, Sec. 26, NW (S)				Acres:	0.0		
Location:	0.4 MILE NORTH OF HWY 76 ON MAGEE ROAD ABOUT 1.4 MILES EAST OF PALA.							
Detailed Location:	FOUND UNDER MALOSMA LAURINA, TRANSECT ALONG OLD PAVED ROAD THAT HAS BEEN BROKEN UP.							
Ecological:	PERENNIALS: ERIOGONUM FASCICULATUM, ARTEMISIA SP, MALOSMA LAURINA. SOME ANNUAL GRASSES.							
General:	1 OBSERVATION IN THIS AREA AT SURVEY #19. SURVEY #20 CONDUCTED 0.2 MILE EAST ALONG MAGEE ROAD FROM SURVEY #19.							
Owner/Manager:	UNKNOWN							

Occurrence No.	210	Map Index:	21755	EO Index:	12553	Element Last Seen:	1991-05-10	
Occ. Rank:	Good			Presence:	Presumed Extant		Site Last Seen:	1991-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	1993-01-06
Quad Summary:	Escondido (3311711)							
County Summary:	San Diego							
Lat/Long:	33.04420 / -117.09335				Accuracy:	80 meters		
UTM:	Zone-11 N3656191 E491283				Elevation (ft):	520		
PLSS:	T13S, R02W (S)				Acres:	0.0		
Location:	1.7 MILES NNW OF I-15/RANCHO BERNARDO ROAD JUNCTION.							
Detailed Location:								
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.							
General:	ONE LIZARD OBSERVATION.							
Owner/Manager:	UNKNOWN							

Occurrence No.	213	Map Index:	17445	EO Index:	8309	Element Last Seen:	1992-08-09	
Occ. Rank:	Fair			Presence:	Presumed Extant		Site Last Seen:	1992-08-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	1993-02-03
Quad Summary:	Rancho Santa Fe (3311712)							
County Summary:	San Diego							
Lat/Long:	33.11985 / -117.22706				Accuracy:	1/5 mile		
UTM:	Zone-11 N3664596 E478817				Elevation (ft):	500		
PLSS:	T12S, R03W, Sec. 19, NE (S)				Acres:	0.0		
Location:	ON THE NORTH SIDE OF DIAMOND TRAIL ROAD, WEST OF RANCHO SANTA FE ROAD, BETWEEN CARLSBAD AND SAN MARCOS.							
Detailed Location:								
Ecological:	HABITAT CONSISTS OF DENSE, MATURE, OLD GROWTH DIEGAN COASTAL SAGE SCRUB AND SOUTHERN MIXED CHAPARRAL; THE DENSITY OF THIS VEGETATION PREVENTS THE DEVELOPMENT OF AN EXTENSIVE POPULATION OF CNEMIDOPHORUS.							
General:	ONE ADULT OBSERVED.							
Owner/Manager:	PVT							



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Occurrence No.	219	Map Index:	25614	EO Index:	5467	Element Last Seen:	1992-05-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1992-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-03-21
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.21979 / -117.15280				Accuracy:	non-specific area	
UTM:	Zone-11 N3675663 E485761				Elevation (ft):	1000	
PLSS:	T11S, R03W, Sec. 13 (S)				Acres:	358.4	
Location:	WEST SIDE OF I-15, 5 MILES NORTH OF SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SOUTHERN MIXED CHAPARRAL, COASTAL SAGE SCRUB, AND SOUTHERN OAK RIPARIAN WOODLAND. OTHER RARE TAXA: SCELOPORUS ORCUTTI, AIMOPHILA RUFICEPS CANESCENS, AMPHISPIZA BELLI BELLI, & COMAROSTAPHYLIS DIVERSILOBA SSP DIVERSILOBA.						
General:	MANY INDIVIDUALS OBSERVED IN MAY 1992.						
Owner/Manager:	UNKNOWN						
Occurrence No.	223	Map Index:	20036	EO Index:	5096	Element Last Seen:	1993-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26240 / -117.32067				Accuracy:	non-specific area	
UTM:	Zone-11 N3680423 E470133				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 32, SE (S)				Acres:	412.6	
Location:	ALONG RIDGE RUNNING NE FROM WINDMILL LAKE, ALONG THE BOUNDARY OF CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	HABITAT IS MAINLY COASTAL SAGE SCRUB, ALONG WITH NON-NATIVE GRASSLAND AND SOUTHERN WILLOW SCRUB. OTHER RARE TAXA FOUND INCLUDE VIREO BELLII PUSILLUS, POLIOPTILA CALIFORNICA, ICTERIA VIRENS, AND AIMOPHILA RUFICEPS CANESCENS.						
General:	UNKNOWN NUMBER OF LIZARDS OBSERVED DURING THE SPRING OF 1993.						
Owner/Manager:	DOD-CAMP PENDLETON MCB, UNK						



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Occurrence No.	225	Map Index:	26372	EO Index:	3792	Element Last Seen:	1994-09-02
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1994-09-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-01-26
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.19738 / -117.12258				Accuracy:	80 meters	
UTM:	Zone-11 N3673175 E488574				Elevation (ft):	1000	
PLSS:	T11S, R02W, Sec. 19, SE (S)				Acres:	0.0	
Location:	JUST SOUTH OF THE INTERSECTION OF FOX LANE AND MOUNTAIN MEADOW ROAD, 4 MILES NNW OF ESCONDIDO.						
Detailed Location:	LIZARD FOUND ON A PRIVATE, 2.63-ACRE PROPERTY, NEAR I-15.						
Ecological:	HABITAT IS ATYPICAL: RUDERAL FIELD DOMINATED BY BRASSICA, WEEDY GRASSES, AND HEMIZONIA FASCICULATA. SITE IS LOCATED ADJACENT TO A DENSE EUCALYPTUS WOODLAND. NO NATIVE VEGETATION FOUND IN THE IMMEDIATE PROXIMITY; SITE IS BRUSHED REGULARLY.						
General:	1 ADULT OBSERVED ON 2 SEPTEMBER 1994.						
Owner/Manager:	PVT						

Occurrence No.	231	Map Index:	31337	EO Index:	12776	Element Last Seen:	1995-03-16
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1995-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-05-15
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04974 / -117.00672				Accuracy:	non-specific area	
UTM:	Zone-11 N3656801 E499372				Elevation (ft):	1500	
PLSS:	T13S, R01W, Sec. 17 (S)				Acres:	216.2	
Location:	1 MILE SOUTH OF HIGHLAND VALLEY, SSE OF ESCONDIDO.						
Detailed Location:	JUVENILE SPECIMENS WERE FOUND IN OPEN AREAS IN COASTAL SAGE SCRUB.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA.						
General:	5 JUVENILES OBSERVED ON 16 MARCH 1995; NUMEROUS MORE WOULD BE EXPECTED DURING THE SUMMER.						
Owner/Manager:	PVT						

Occurrence No.	234	Map Index:	33409	EO Index:	29239	Element Last Seen:	1995-05-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-10-04
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24462 / -117.15117				Accuracy:	80 meters	
UTM:	Zone-11 N3678416 E485917				Elevation (ft):	525	
PLSS:	T11S, R03W, Sec. 01, SW (S)				Acres:	0.0	
Location:	BETWEEN I-15 AND CHAMPAGNE BLVD, NEAR LAWRENCE WELK VILLAGE, 6 MILES NORTH OF ESCONDIDO.						
Detailed Location:	LOCATED IN A NARROW STRIP OF NATIVE VEGETATION.						
Ecological:	HABITAT CONSISTS OF SAGE SCRUB AND CHAPARRAL, DOMINATED BY ERIOGONUM FASCICULATUM, XYLOCOCCUS BICOLOR, AND PENNISETUM SETACEUM.						
General:	2 ADULTS OBSERVED IN OPEN AREAS ON 17 MAY 1995.						
Owner/Manager:	PVT						



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Occurrence No.	236	Map Index:	33875	EO Index:	29634	Element Last Seen:	1997-06-05
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1997-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-04-04
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24012 / -117.20852				Accuracy:	non-specific area	
UTM:	Zone-11 N3677927 E480573				Elevation (ft):	700	
PLSS:	T11S, R03W, Sec. 08, NE (S)				Acres:	21.5	
Location:	SAN MARCOS MOUNTAINS, 1.2 MILES SE THE INTERSECT OF GOPHER CANYON ROAD AND E VISTA WAY, NE OF VISTA.						
Detailed Location:	ALONG ELEVADO ROAD, SOUTH OF FAIR LANE AND NORTH OF CORRE CAMINO WAY.						
Ecological:	HABITAT CONSISTS OF DISTURBED SAGE/CHAPARRAL SCRUB (ECOTONE), PLANTS INCLUDE MALOSMA LAURINA, SALVIA MELLIFERA, CEANOTHUS TOMENTOSUS, ADENOSTOMA FASCICULATUM, AND ARTEMISIA CALIFORNICA. AIMOPHILA RUFICEPS CANESCENS ALSO OCCURS AT THIS SITE.						
General:	1 ADULT AND 3 JUVENILES OBSERVED ON 3 APRIL 1996. 1 ADULT OBSERVED ON 5 JUNE 1997. SOME HABITAT TO BE PROTECTED AS OPEN SPACE.						
Owner/Manager:	PVT						

Occurrence No.	237	Map Index:	33802	EO Index:	29633	Element Last Seen:	2017-04-07
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-04-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-04-24
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.35067 / -117.14788				Accuracy:	non-specific area	
UTM:	Zone-11 N3690173 E486241				Elevation (ft):	439	
PLSS:	T09S, R03W, Sec. 36 (S)				Acres:	481.0	
Location:	EAST SIDE OF I-15, FROM 0.3 MILES E TO 2.9 MILES NNE OF THE HWY 76 INTERSECTION, NORTH OF THE SAN LUIS REY RIVER.						
Detailed Location:	MAPPED TO GIVEN COORDINATES & LOCATIONS. MAPPED SPECIFICALLY WHEN POSSIBLE. LARGE POLYGON AT CENTER OF OCCURRENCE MAPPED TO BOUNDARY OF MEADOWOOD PROPERTY, WHERE SPECIES WAS DETECTED 2006 & 2007 (EXACT LOCATIONS UNKNOWN).						
Ecological:	1996: DIEGAN COASTAL SAGE SCRUB, POSSIBLE WILDLIFE CORRIDOR. 2017: NON-NATIVE GRASSLAND ADJACENT TO COASTAL SAGE SCRUB IN THE PROCESS OF BEING CLEARED; CALTRANS ROW; ADJACENT TO OPEN SPACE.						
General:	4 OBSERVED, 1990; 1 IN '96; 5 IN 2004; UNK # '06-07; 1 IN '11; 2 IN '12 & '13. 4 UNK, 10+ JUVS OBS OCT-NOV 2016; 1+ INJURED, UNK # KILLED BY CONSTRUCTION. 1 ADULT RELOCATED FROM CONSTRUCTION SITE & 1 TAIL FOUND MAR; 3 JUVS OBS APR 2017.						
Owner/Manager:	PVT, CALTRANS						



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Occurrence No.	238	Map Index:	33532	EO Index:	29637	Element Last Seen:	1995-10-10
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1995-10-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-10-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32743 / -117.30068				Accuracy:	80 meters	
UTM:	Zone-11 N3687627 E472015				Elevation (ft):	280	
PLSS:	T10S, R04W, Sec. 09, NE (S)				Acres:	0.0	
Location:	EAST SIDE OF CAMP PENDLETON MARINE CORPS BASE, ADJACENT TO THE SOUTHERN BOUNDARY OF FALLBROOK NAVAL WEAPONS STATION.						
Detailed Location:	INDIVIDUAL OBSERVED ON THE WEST SIDE OF AMMUNITION ROAD, JUST WEST OF THE RAILROAD TRACKS, ON THE CUT SLOPE.						
Ecological:	HABITAT CONSISTS OF HIGH-QUALITY COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, SALVIA APIANA, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA. SURROUNDING AREA CONSISTS OF OPEN SPACE, EXCEPT TO THE SOUTH (RESIDENTIAL HOUSING).						
General:	1 ADULT OBSERVED ON 10 OCTOBER 1995.						
Owner/Manager:	DOD-USMC						

Occurrence No.	250	Map Index:	38233	EO Index:	33240	Element Last Seen:	1997-10-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1997-10-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-25
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.20544 / -117.12087				Accuracy:	80 meters	
UTM:	Zone-11 N3674069 E488734				Elevation (ft):	1560	
PLSS:	T11S, R02W, Sec. 19, NE (S)				Acres:	0.0	
Location:	0.65 MILE NNE OF THE INTERSECTION OF MOUNTAIN MEADOW ROAD AND HWY 395, NNW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSITS OF A RELATIVELY FLAT, OPEN, BRUSHED AREA ADJOINING CHAMISE CHAPARRAL, DOMINATED BY ADENOSTOMA FASCICULATUM, CEANOTHUS SPP, AND XYLOCOCCUS BICOLOR.						
General:	1 JUVENILE OBSERVED ON 30 OCTOBER 1997.						
Owner/Manager:	PVT						



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Occurrence No.	257	Map Index:	31982	EO Index:	35102	Element Last Seen:	1995-06-09
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-06-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03933 / -117.16864				Accuracy:	specific area	
UTM:	Zone-11 N3655659 E484253				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 14, SW (S)				Acres:	7.2	
Location:	NORTH OF DEL DIOS HWY, JUST WEST OF SECOND SAN DIEGO AQUEDUCT, NE OF RANCHO SANTA FE.						
Detailed Location:	WHIPTAILS ARE MORE COMMONLY FOUND ON AN ADJOINING OFF-SITE PARCEL TO THE SOUTH.						
Ecological:	HABITAT CONSISTS OF CHAPARRAL AND SAGE/CHAPARRAL SCRUB, DOMINATED BY MALOSMA LAURINA, CEANOTHUS TOMENTOSUS, SALVIA MELLIFERA, AND ADENOSTOMA FASCICULATUM. OTHER RARE PLANT AND ANIMAL TAXA ALSO PRESENT.						
General:	1 ADULT AND 2 JUVENILES OBSERVED ON 9 JUN 1995.						
Owner/Manager:	PVT						

Occurrence No.	267	Map Index:	40180	EO Index:	35182	Element Last Seen:	1990-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35914 / -117.28305				Accuracy:	1/5 mile	
UTM:	Zone-11 N3691138 E473666				Elevation (ft):	500	
PLSS:	T09S, R04W, Sec. 27, SE (S)				Acres:	0.0	
Location:	0.3 MILE NW OF FALLBROOK ROAD, ABOUT 1.7 ROAD MILES SW FALLBROOK ROAD AND ALTURAS ROAD JCT, FALLBROOK ANNEX NWS.						
Detailed Location:							
Ecological:	SLIGHTLY DISTURBED COASTAL SAGE SCRUB VEGETATION.						
General:	1 LIZARD OBSERVED AT SURVEY NUMBER 32, 1990.						
Owner/Manager:	DOD-FALLBROOK NWS						



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Occurrence No.	268	Map Index:	03420	EO Index:	35187	Element Last Seen:	1990-10-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-10-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33869 / -117.32048				Accuracy:	2/5 mile	
UTM:	Zone-11 N3688881 E470176				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 05, NE (S)				Acres:	0.0	
Location:	VICINITY OF O'NEILL LAKE, EAST OF SANTA MARGARITA RIVER AND APPROXIMATELY 4 MI SW OF FALLBROOK, CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:	COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.						
General:	OBSERVATION DURING 1990 SURVEY, ALSO OBSERVED POLIOPTILA CALIFORNICA.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	269	Map Index:	40186	EO Index:	35188	Element Last Seen:	1990-10-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-10-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34992 / -117.31687				Accuracy:	1/5 mile	
UTM:	Zone-11 N3690124 E470516				Elevation (ft):	280	
PLSS:	T09S, R04W, Sec. 32, SE (S)				Acres:	0.0	
Location:	JUST E OF CAMP DE LUZ RD, 4 MILES WSW OF FALLBROOK, 1.6 MILES N OF N END OF DAM TO O'NEILL LAKE, CAMP PENDLETON MCB.						
Detailed Location:							
Ecological:	SLIGHTLY DISTURBED COASTAL SAGE SCRUB VEGETATION.						
General:	OBSERVATION DURING 1990 SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	270	Map Index:	40189	EO Index:	35191	Element Last Seen:	1990-10-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-10-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-11-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36522 / -117.34817				Accuracy:	2/5 mile	
UTM:	Zone-11 N3691830 E467610				Elevation (ft):	680	
PLSS:	T09S, R04W, Sec. 30 (S)				Acres:	0.0	
Location:	1.4 MILES NE OF JCT OF ROBLAR AND BASILONE ROAD, 1.5 MILES WSW OF CAMP DE LUZ, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:							
Ecological:	SLIGHTLY DISTURBED COASTAL SAGE SCRUB VEGETATION.						
General:	OBSERVATION DURING 1990 SURVEY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	275	Map Index:	41892	EO Index:	41892	Element Last Seen:	1999-05-06
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1999-05-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-11-01
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22718 / -117.20785				Accuracy:	80 meters	
UTM:	Zone-11 N3676492 E480633				Elevation (ft):	820	
PLSS:	T11S, R03W, Sec. 09, SW (S)				Acres:	0.0	
Location:	ALONG SAN MARCOS MOUNTAINS, 1 MI E OF E VISTA WAY (S13) AT E TAYLOR ST, 2.5 MILES NE OF VISTA.						
Detailed Location:	SITE IS LOCATED ADJACENT TO A LARGE EXPANSE OF NATIVE GRASSLAND. MAPPED ACCORDING TO THE ATTACHED LOCATION MAP.						
Ecological:	HABITAT CONSISTS OF CHAPARRAL, DOMINATED BY RHUS INTEGRIFOLIA, ADENOSTOMA FASCICULATUM, ERIOPHYLLUM, AND XYLOCOCCUS BICOLOR. OPENINGS IN THE CHAPARRAL INCLUDE LOTUS SCOPARIUS, MIMULUS AURATICUS, HEMIZONIA, STIPA, AND SISYRINCHIUM BELLUM.						
General:	LIZARD OBSERVED CROSSING AN OLD ROADCUT ON 6 MAY 1999. BON03R0001 IS DRAFT EIR & INCLUDES LEA99F0017 INFORMATION.						
Owner/Manager:	PVT						
Occurrence No.	277	Map Index:	43535	EO Index:	43538	Element Last Seen:	1991-06-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-06-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2000-08-21
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.19153 / -117.11280				Accuracy:	non-specific area	
UTM:	Zone-11 N3672525 E489485				Elevation (ft):	1100	
PLSS:	T11S, R02W, Sec. 29, NW (S)				Acres:	20.4	
Location:	0.5 MILE EAST OF I-395, 4 MILES NNW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF SUCCESSIONAL SAGE SCRUB.						
General:	3 ADULTS OBSERVED ON 18 JUN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	283	Map Index:	44611	EO Index:	44611	Element Last Seen:	1998-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-02-23
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02845 / -117.25626				Accuracy:	specific area	
UTM:	Zone-11 N3654470 E476068				Elevation (ft):	145	
PLSS:	T13S, R04W, Sec. 23, SE (S)				Acres:	4.8	
Location:	LUX CANYON, SW CORNER OF EL CAMINO REAL AND TENNIS CLUB DRIVE, CITY OF ENCINITAS.						
Detailed Location:	4.6 ACRE ARDAN RESIDENTIAL CARE FACILITY PROPERTY. LACM LOCATION STATED AS "ENCINITAS". THOUGHT TO BE POSSIBLY EXTIRPATED AT SITE OR IN IMMEDIATE VICINITY IN 1990 (BRATTSTROM); HOWEVER WAS OBSERVED IN 1998.						
Ecological:	COASTAL SAGE SCRUB (4.21 ACRES): ARTEMISIA CALIFORNICA, BACCHARIS PILULARIS, ERIOGONUM FASCICULATUM. SOUTHERN MARITIME CHAPARRAL (0.28 ACRES): ADENOSTOMA FASCICULATUM, QUERCUS DUMOSA, ARCTOSTAPHYLOS GLANDULOSA.						
General:	LACM #132431-2 COLLECTED ON 20 MAY 1930 BY C.M. BOGERT. 4 OBSERVATIONS MADE IN APR 1998. CALIFORNIA GNATCATCHER ALSO OBSERVED.						
Owner/Manager:	PVT						

Occurrence No.	286	Map Index:	44709	EO Index:	44709	Element Last Seen:	1997-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-01-10
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14227 / -117.25591				Accuracy:	80 meters	
UTM:	Zone-11 N3667088 E476132				Elevation (ft):	340	
PLSS:	T12S, R04W, Sec. 12 (S)				Acres:	0.0	
Location:	CARLSBAD OAKS PROPERTY, 0.5 MILE SOUTH OF MT HINTON, 1.1 MILES NW OF EL CAMINO REAL & PALOMAR AIRPORT ROAD, CARLSBAD.						
Detailed Location:	CARLSBAD OAKS NORTH BUSINESS PARK PROPERTY ON THE EASTERN EDGE OF THE CITY OF CARLSBAD.						
Ecological:	SOUTHERN MIXED CHAPARRAL.						
General:	SPECIES OBSERVED, NUMBER NOT GIVEN, 1997.						
Owner/Manager:	PVT						



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Occurrence No.	288	Map Index:	46948	EO Index:	46948	Element Last Seen:	2000-05-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-01-08
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34608 / -117.11195				Accuracy:	specific area	
UTM:	Zone-11 N3689660 E489582				Elevation (ft):	400	
PLSS:	T09S, R02W, Sec. 32, NE (S)				Acres:	8.0	
Location:	JUST SOUTH OF THE SAN LUIS REY RIVER, ON THE EAST SIDE OF THE SAN DIEGO AQUEDUCT, 8 MILES EAST OF FALLBROOK.						
Detailed Location:	SITE IS LOCATED ON A SMALL HILLTOP, ADJACENT TO THE SAN LUIS REY RIVER.						
Ecological:	HABITAT CONSISTS OF OPEN, DISTURBED COASTAL SAGE SCRUB, WITH FALLOW AGRICULTURAL FIELDS SURROUNDING THE SAN LUIS REY RIVER.						
General:	2 ADULT LIZARDS OBSERVED ON 3 MAY 2000.						
Owner/Manager:	PVT						

Occurrence No.	289	Map Index:	46949	EO Index:	46949	Element Last Seen:	2000-05-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-01-09
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34244 / -117.10425				Accuracy:	specific area	
UTM:	Zone-11 N3689256 E490299				Elevation (ft):	700	
PLSS:	T10S, R02W, Sec. 04, NE (S)				Acres:	14.7	
Location:	0.5 MILE SOUTH OF THE SAN LUIS REY RIVER, EAST OF THE SAN DIEGO AQUEDUCT, 8 MILES ESE OF FALLBROOK.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF CHAPARRAL, DOMINATED BY ADENOSTOMA SP, MALOSMA LAURINA, KECKIELLA ANTIRRHINOIDES, ARTEMISIA CALIFORNICA, AND ERIOGONUM CALIFORNICA, ON A STEEP, EAST-FACING SLOPE.						
General:	2 ADULT LIZARDS OBSERVED ON 3 MAY 2000.						
Owner/Manager:	PVT						



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Occurrence No.	308	Map Index:	51020	EO Index:	51021	Element Last Seen:	1998-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07065 / -117.18013				Accuracy:	1/10 mile	
UTM:	Zone-11 N3659133 E483186				Elevation (ft):	850	
PLSS:	T13S, R03W, Sec. 03, SW (S)				Acres:	0.0	
Location:	NW-FACING SLOPE ON HILLSIDE MIDWAY BETWEEN ESCONDIDO CREEK AND ELFIN FOREST ROAD, APPROX 3.5 MILES SSE LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GOOD QUALITY COASTAL SAGE SCRUB COMPRISED OF LAUREL SUMAC, CALIFORNIA SAGEBRUSH, FLAT-TOP BUCKWHEAT, BROOM BACCHARIS, SPECIES ASSOCIATED WITH DISTURBANCE AND VARIOUS NON-NATIVE GRASSES.						
General:	UNKNOWN NUMBER OBSERVED JULY 1998 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	309	Map Index:	51107	EO Index:	51108	Element Last Seen:	2000-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10771 / -117.22124				Accuracy:	non-specific area	
UTM:	Zone-11 N3663249 E479358				Elevation (ft):	420	
PLSS:	T12S, R03W, Sec. 29 (S)				Acres:	36.9	
Location:	BORDERED TO WEST BY RANCHO SANTA FE RD, WEST OF SAN MARCOS CREEK & NORTH OF LA COSTA MEADOWS DR; SW OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB.						
General:	ONE OBSERVED 9 MAY 2000 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	310	Map Index:	51209	EO Index:	51209	Element Last Seen:	2000-09-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-09-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-06
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08727 / -117.03931				Accuracy:	specific area	
UTM:	Zone-11 N3660962 E496331				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 36 (S)				Acres:	16.5	
Location:	WEST OF SAN PASQUAL VALLEY AND EAST OF MARY LANE, SE OF ESCONDIDO.						
Detailed Location:	VICINITY OF PASEO DEL SOL.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB VEGETATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MIMULUS AURANTIACUS, DEERWEED, WHITE SAGE, OPUNTIA LITTORALIS, LAUREL SUMAC, BACCHARIS SAROTHROIDES AND OTHERS.						
General:	UNKNOWN NUMBER OBSERVED (IN 4 LOCATIONS) BETWEEN 8 SEP AND 22 SEP 2000 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	311	Map Index:	51246	EO Index:	51246	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03118 / -117.00670				Accuracy:	specific area	
UTM:	Zone-11 N3654743 E499374				Elevation (ft):	1200	
PLSS:	T13S, R01W, Sec. 20, NW (S)				Acres:	11.8	
Location:	EAST OF OLD COACH ROAD AND NORTH OF THE GREEN VALLEY TRUCK TRAIL, APPROXIMATELY 3 MILES ENE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED IN 5 LOCATIONS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	312	Map Index:	51406	EO Index:	51406	Element Last Seen:	1999-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14738 / -117.26538				Accuracy:	non-specific area	
UTM:	Zone-11 N3667657 E475250				Elevation (ft):	380	
PLSS:	T12S, R04W, Sec. 11 (S)				Acres:	70.3	
Location:	NORTH OF AGUA HEDIONDA CREEK, EAST OF EL CAMINO REAL AND WEST OF MT. HINTON, ABOUT 4 MILES EAST OF CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF DIEGAN COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, SYCAMORE RIPARIAN WOODLAND, SOUTHERN COAST LIVE OAK WOODLAND, FRESHWATER MARSH, CISMONTANE ALKALI MARSH, SOUTHERN MIXED CHAPARRAL AND EUCALYPTUS WOODLAND.						
General:	UNKNOWN NUMBER OBSERVED IN 7 LOCATIONS BETWEEN 24 MAY AND 3 AUG 1999 DURING SURVEYS FOR OTHER SPECIES. THERE IS RESIDENTIAL TO THE NORTH OF SITE AND INDUSTRIAL SOUTH OF THE CREEK. ICTERIA VIRENS AND EMPIDONAX TRAILLII IN VICINITY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	313	Map Index:	51595	EO Index:	51595	Element Last Seen:	2001-12-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-01
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.33692 / -117.16325				Accuracy:	non-specific area	
UTM:	Zone-11 N3688651 E484807				Elevation (ft):	400	
PLSS:	T10S, R03W, Sec. 02, E (S)				Acres:	64.4	
Location:	JUST N OF PALA MESA VILLAGE, 0.5 MI NNW OF THE INTERSECTION OF I-15 AND HWY 76.						
Detailed Location:	OBSERVATION BY KLAUBER OCCURRED "5 MI S OF RAINBOW."						
Ecological:	HABITAT DESCRIBED AS DIEGAN COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, AND SALVIA APIANA. OTHER COMMUNITIES INCLUDE SOUTHERN WILLOW SCRUB, ENGELMANN OAK WOODLAND, COAST LIVE OAK WOODLAND.						
General:	OBSERVATION BY KLAUBER PRIOR TO 1930. UNKNOWN NUMBER OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS 5-19 DEC 2001. DEVELOPMENT LOCATED TO NORTH, SOUTH AND OPEN SPACE TO THE WEST.						
Owner/Manager:	PVT						



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Occurrence No.	330	Map Index:	53832	EO Index:	53832	Element Last Seen:	2000-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-30
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06110 / -117.04355				Accuracy:	1/10 mile	
UTM:	Zone-11 N3658062 E495933				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 12, NW (S)				Acres:	0.0	
Location:	APPROXIMATELY 1.5 MILES EAST OF I-15 AND NORTH OF LAKE HODGES, ESCONDIDO.						
Detailed Location:	OBSERVATION IS WITHIN SITE "B" OF PROPOSED MHCP HABITAT AQUISITION PROJECT.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB. ADJACENT LAND: PRESERVED OPEN SPACE/RESIDENTIAL TO WEST, RESIDENTIAL TO NORTH AND EAST, AND AGRICULTURAL LAND TO THE SOUTH.						
General:	1 ADULT OBSERVED ON 1 AUG 2000. FOCUSED SURVEYS FOR SPECIES WOULD PROBABLY YIELD MORE OBSERVATIONS THROUGHOUT SITE "B". THIS SITE MAY BE INCLUDED IN THE MHCP AND OCCURS WITHIN THE SAN DIEGUITO RIVER OPEN SPACE PARK PLANNING AREA.						
Owner/Manager:	UNKNOWN, PVT						

Occurrence No.	338	Map Index:	54788	EO Index:	54791	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34690 / -117.37099				Accuracy:	80 meters	
UTM:	Zone-11 N3689807 E465479				Elevation (ft):	444	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	0.5 MILE SW OF THE INTERSECTION OF BASILONE ROAD & ROBLAR ROAD, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAYS 16 & 17. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	21 OTW CAPTURED IN 2 PIT-FALL TRAP ARRAYS. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THESE ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	340	Map Index:	52735	EO Index:	54803	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-24
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37526 / -117.34962			Accuracy:	80 meters		
UTM:	Zone-11 N3692944 E467478			Elevation (ft):	850		
PLSS:	T09S, R05W, Sec. 24, SE (S)			Acres:	0.0		
Location:	ABOUT 1.9 MILES NE OF INTERSECTION OF BASILONE RD & ROBLAR RD. ABOUT 0.6 MI SOUTH OF FIRING RANGE, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAYS 25 & 26. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	5 CAPTURED IN 2 PIT-FALL TRAP ARRAYS. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 CAMP PENDLETON PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THESE ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	368	Map Index:	63897	EO Index:	63992	Element Last Seen:	1990-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-02-06
Quad Summary:	Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31888 / -117.25210			Accuracy:	1 mile		
UTM:	Zone-11 N3686667 E476534			Elevation (ft):	600		
PLSS:	T10S, R04W, Sec. 12 (S)			Acres:	0.0		
Location:	AREA IN VICINITY OF BURMA ROAD AND DEL VALLE DRIVE, 4 MILES SOUTH OF FALLBROOK.						
Detailed Location:	LOCATION STATED IN SOURCE AS "4 MI S OF FALLBROOK".						
Ecological:							
General:	CAS #7887 COLLECTED BY G.M. KRANZTHOR AND G.S. MYERS ON 12 APR 1929. ACCORDING TO BRATTSTROM, STILL AT SITE OR IN IMMEDIATE VICINITY IN 1990.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	389	Map Index:	75761	EO Index:	76776	Element Last Seen:	2007-05-23
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2007-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-07-06
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.23455 / -117.07815				Accuracy:	80 meters	
UTM:	Zone-11 N3677293 E492718				Elevation (ft):	1116	
PLSS:	T11S, R02W, Sec. 10, NW (S)				Acres:	0.0	
Location:	NORTH OF MOOSA CYN & 0.85 MILE NEAR DIRECTLY SOUTH OF RED MOUNTAIN, APPROXIMATELY 7 MILES DIRECTLY NORTH OF ESCONDIDO.						
Detailed Location:	ALONG UNNAMED SOUTH FLOWNG CREEK.						
Ecological:	HIGHLY DISTURBED COASTAL SAGE SCRUB HABITAT THAT CONTAINS MANY NON-NATIVE SPECIES SUCH AS BLACK MUSTARD, STAR-THISTLE, TOCALOTE, COMMON DANDELION, WILD RADISH, SWEET FENNEL, YELLOW SWEET-CLOVER, AND MANY ADDITIONAL SPECIES.						
General:	TWO INDIVIDUALS WERE OBSERVED WITHIN THE DISTURBED COASTAL SAGE SCRUB HABITAT.						
Owner/Manager:	UNKNOWN						

Occurrence No.	417	Map Index:	A4190	EO Index:	105866	Element Last Seen:	2011-08-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2011-08-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-04-07
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.3642 / -117.1665				Accuracy:	80 meters	
UTM:	Zone-11 N3691676 E484510				Elevation (ft):	455	
PLSS:	T09S, R03W, Sec. 26, SW (S)				Acres:	5.0	
Location:	ABOUT 0.2 MILES WSW OF OLD HWY 395 AT STEWART CANYON DR, W SIDE I-15, E OF FALLBROOK.						
Detailed Location:	MAPPED TO GIVEN COORDINATES.						
Ecological:	DIEGAN COASTAL SAGE SCRUB WITH ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, & MALOSMA LAURINA. SCRUB WAS RECOVERING FROM 2007 FIRE.						
General:	AT LEAST 3 ADULTS OBSERVED ON 3 AUG 2011.						
Owner/Manager:	PVT						



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Occurrence No.	422	Map Index:	B2701	EO Index:	114635	Element Last Seen:	2017-08-11
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-08-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-03-22
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.141 / -117.27283				Accuracy:	80 meters	
UTM:	Zone-11 N3666952 E474554				Elevation (ft):	274	
PLSS:	T12S, R04W, Sec. 11, SW (S)				Acres:	5.0	
Location:	N SIDE PALMER WAY, 0.1 MI NNW OF THE IMPALA DR JCT & 0.2 MI ENE OF EL CAMINO REAL AT COUGAR DR, S OF AGUA HEDIONDA CK.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	EDGE OF FLAT AREA WITH MOSTLY DISTURBED VEGETATION, NEAR GRADED PAD AREA WITH DENSE WEEDS. ADJACENT TO STEEP SLOPES TO NORTH AND EAST SUPPORT DIEGAN COASTAL SAGE SCRUB DOMINATED BY SAGEBRUSH, BLACK SAGE AND LAUREL SUMAC.						
General:	1 ADULT OBSERVED ON 11 AUG 2017.						
Owner/Manager:	PVT						

Aspidoscelis tigris stejnegeri

coastal whiptail

Listing Status:

Federal:

State:

Other:

None

None

CDFW_SSC-Species of Special Concern

Habitat:

General:

Micro:

FOUND IN DESERTS AND SEMI-ARID AREAS WITH SPARSE VEGETATION AND OPEN AREAS. ALSO FOUND IN WOODLAND AND RIPARIAN AREAS.

GROUND MAY BE FIRM SOIL, SANDY, OR ROCKY.

Element Code: ARACJ02143

CNDDDB Element Ranks: Global: G5T5
State: S3

Occurrence No.	10	Map Index:	33284	EO Index:	1627	Element Last Seen:	1995-04-28
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-04-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-08-29
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05315 / -117.01155				Accuracy:	80 meters	
UTM:	Zone-11 N3657179 E498921				Elevation (ft):	1000	
PLSS:	T13S, R01W, Sec. 08, SW (S)				Acres:	0.0	
Location:	EAST OF OLD COACH ROAD, 0.9 MILE SOUTH OF HIGHLAND VALLEY ROAD, 3 MILES NE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA; ADJACENT WOODLAND DOMINATED BY QUERCUS AGRIFOLIA.						
General:	ON 28 APRIL 1995, A JUVENILE WAS OBSERVED SUNNING ON AN OLD, DIRT ROAD.						
Owner/Manager:	PVT						



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Occurrence No.	15	Map Index:	37906	EO Index:	32913	Element Last Seen:	1995-05-17
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1995-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-01-14
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24042 / -117.14875				Accuracy:	non-specific area	
UTM:	Zone-11 N3677950 E486142				Elevation (ft):	500	
PLSS:	T11S, R03W, Sec. 12, NE (S)				Acres:	54.2	
Location:	BETWEEN I-15 AND CHAMPAGNE BLVD, NEAR LAWRENCE WELK VILLAGE.						
Detailed Location:	WHIPTAILS OBSERVED IN OPEN AREAS AND ALONG THE ROADWAY.						
Ecological:	HABITAT CONSISTS OF CHAPARRAL AND COASTAL SAGE SCRUB; DOMINATED BY ERIOGONUM FASCICULATUM, XYLOCOCCUS BICOLOR, PENNISTEUM SETACEUM, OTHERS.						
General:	5 ADULTS AND 1 JUVENILE OBSERVED ON 17 MAY 1995.						
Owner/Manager:	PVT						

Occurrence No.	25	Map Index:	43535	EO Index:	43537	Element Last Seen:	1991-06-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-06-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2000-08-21
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.19153 / -117.11280				Accuracy:	non-specific area	
UTM:	Zone-11 N3672525 E489485				Elevation (ft):	1100	
PLSS:	T11S, R02W, Sec. 29, NW (S)				Acres:	20.4	
Location:	0.5 MILE EAST OF I-395, 4 MILES NNW OF ESCONDIDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE/CHAPARRAL SCRUB.						
General:	3 ADULTS OBSERVED ON 18 JUN 1991.						
Owner/Manager:	PVT						

Occurrence No.	40	Map Index:	51030	EO Index:	51030	Element Last Seen:	2001-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06189 / -117.19126				Accuracy:	specific area	
UTM:	Zone-11 N3658164 E482145				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 09, NE (S)				Acres:	28.5	
Location:	ESCONDIDO CREEK TO APPROXIMATELY 0.4 MILE NORTH OF CREEK, 1.5 MILES NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:							
General:	UNKNOWN NUMBER OBSERVED SOMETIME BETWEEN JUL - AUG 2001 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	41	Map Index:	51050	EO Index:	51050	Element Last Seen:	2002-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08702 / -117.14661				Accuracy:	80 meters	
UTM:	Zone-11 N3660943 E486318				Elevation (ft):	520	
PLSS:	T12S, R03W, Sec. 36, SE (S)				Acres:	0.0	
Location:	NORTH OF HARMONY GROVE ROAD, ALONG SAN ELIJO CANYON; APPROXIMATELY 0.8 MILE SW OF HARMONY GROVE.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED BETWEEN 8 MAY AND 23 MAY 2002 DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	42	Map Index:	51093	EO Index:	51093	Element Last Seen:	2000-03-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-03-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09587 / -117.18267				Accuracy:	80 meters	
UTM:	Zone-11 N3661930 E482954				Elevation (ft):	900	
PLSS:	T12S, R03W, Sec. 27, S (S)				Acres:	0.0	
Location:	APPROXIMATELY 1 MILE SOUTH OF DOUBLE PEAK AND EAST OF QUESTHAVEN ROAD, SSE OF LAKE SAN MARCOS.						
Detailed Location:							
Ecological:	HABITST ON PROJECT SITE CONSISTS OF DIEGAN COASTAL SAGE SCRUB (INCLUDING DISTURBED), SOUTHERN MIXED CHAPARRAL, POISON OAK CHAPARRAL, NON-NATIVE GRASSLAND, EUCALYPTUS WOODLAND, WET MEADOW, BASIN, DISTURBED AND DEVELOPED AREAS.						
General:	UNKNOWN NUMBER OBSERVED SOMETIME BETWEEN 29 FEB & 14 MAR DURING CALIFORNIA GNATCATCHER SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	43	Map Index:	51228	EO Index:	51228	Element Last Seen:	2001-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.11735 / -117.11668				Accuracy:	non-specific area	
UTM:	Zone-11 N3664302 E489115				Elevation (ft):	740	
PLSS:	T12S, R02W, Sec. 20 (S)				Acres:	25.9	
Location:	APPROXIMATELY 1.7 MILES WEST OF I-15 AND SOUTH OF STATE ROUTE 78, WEST ESCONDIDO.						
Detailed Location:	PROJECT LOCATED SOUTH OF VINEYARD AVE AND NORTH OF ENTERPRISE ST.						
Ecological:	HABITAT CONSISTS OF THE CALIFORNIA SAGEBRUSH SERIES, COMPRISED OF ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA APIANA, MIMULUS AURANTICUS, AND MALOSMA LAURINA. UNDERSTORY CONSISTS OF GNAPHALIUM BICOLOR, LOTUS SCOPARIUS AND OTHERS.						
General:	UNKNOWN NUMBER OBSERVED ON PROJECT SITE BETWEEN 11 APR AND 25 APR 2001 DURING CALIFORNIA GNATCATCHER SURVEYS. CORONADO SKINK ALSO OBSERVED IN AREA.						
Owner/Manager:	UNKNOWN						

Occurrence No.	44	Map Index:	51247	EO Index:	51247	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-05-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03131 / -117.00701				Accuracy:	80 meters	
UTM:	Zone-11 N3654758 E499345				Elevation (ft):	1340	
PLSS:	T13S, R01W, Sec. 20, NW (S)				Acres:	0.0	
Location:	EAST OF OLD COACH ROAD AND NORTH OF THE GREEN VALLEY TRUCK TRAIL, APPROXIMATELY 3 MILES ENE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT ON PROJECT SITE CONSISTS OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OBSERVED AT THIS LOCATION DURING CALIFORNIA GNATCATCHER SURVEY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	45	Map Index:	51604	EO Index:	51604	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25146 / -117.24321				Accuracy:	80 meters	
UTM:	Zone-11 N3679190 E477345				Elevation (ft):	210	
PLSS:	T11S, R03W, Sec. 06, NW (S)				Acres:	0.0	
Location:	SOUTH SIDE UNNAMED CREEK, SOUTH OF SAN LUIS REY RIVER & 0.6 MILE WEST OF VISTA WAY, NORTH OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA & ERIOGONUM FASCICULATUM. THE SCRUB OCCURS IN SMALL PATCHES AROUND ROCK OUTCROPS IN AGRICULTURAL FIELDS OR ADJACENT TO RIPARIAN AREA. RURAL RESIDENTIAL TO E & S.						
General:	UNKNOWN NUMBER OBSERVED DURING SURVEYS FOR OTHER LISTED SPECIES.						
Owner/Manager:	PVT						

Occurrence No.	46	Map Index:	51608	EO Index:	51608	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-06-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25298 / -117.19688				Accuracy:	80 meters	
UTM:	Zone-11 N3679350 E481661				Elevation (ft):	400	
PLSS:	T11S, R03W, Sec. 04 (S)				Acres:	0.0	
Location:	JUST NORTH OF GOPHER CANYON ROAD AND 2.5 MILES WEST OF I-15, NNE OF VISTA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF MODERATE- TO HIGH-QUALITY COASTAL SAGE SCRUB AND BROOM BACCHARIS SCRUB. TOPOGRAPHY: RELATIVELY FLAT TO STEEP. SITE IS SURROUNDED BY LOW DENSITY RESIDENTIAL, A COUNTRY CLUB, AGRICULTURE AND UNDEVELOPED AREAS.						
General:	UNKNOWN NUMBER OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS DURING 2002.						
Owner/Manager:	PVT						



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Occurrence No.	64	Map Index:	54788	EO Index:	54792	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34690 / -117.37099				Accuracy:	80 meters	
UTM:	Zone-11 N3689807 E465479				Elevation (ft):	444	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	0.5 MILE SW OF THE INTERSECTION OF BASILONE ROAD & ROBLAR ROAD, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAYS 16 & 17. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	2 LIZARDS CAPTURED IN 2 PIT-FALL TRAP ARRAYS. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THESE ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	66	Map Index:	52735	EO Index:	54804	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-24
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37526 / -117.34962				Accuracy:	80 meters	
UTM:	Zone-11 N3692944 E467478				Elevation (ft):	850	
PLSS:	T09S, R05W, Sec. 24, SE (S)				Acres:	0.0	
Location:	ABOUT 1.9 MILES NE OF INTERSECTION OF BASILONE RD & ROBLAR RD, ABOUT 0.6 MI SOUTH OF FIRING RANGE. CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAYS 25 & 26. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	5 CAPTURED IN 2 PIT-FALL TRAP ARRAYS. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 CAMP PENDLETON PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THESE ARRAYS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	74	Map Index:	54897	EO Index:	54897	Element Last Seen:	2001-05-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-26
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.22881 / -117.05281				Accuracy:	non-specific area	
UTM:	Zone-11 N3676655 E495078				Elevation (ft):	1300	
PLSS:	T11S, R02W, Sec. 11, SE (S)				Acres:	45.3	
Location:	WEST OF LILAC ROAD, NW OF VALLEY CENTER.						
Detailed Location:	AREA FROM BETSWORTH ROAD NORTH TO HIDEAWAY LAKE, EAST SIDE OF STREAM.						
Ecological:	HABITAT CONSISTS OF GRANITIC SOUTHERN MIXED CHAPARRAL, COAST LIVE OAK WOODLAND AND FLAT-TOP BUCKWHEAT. SITE IS IN RURAL AREA BUT IS SURROUNDED BY DEVELOPMENT. COOPER'S HAWK OBSERVED IN VICINITY.						
General:	5 ADULTS OBSERVED IN CHAPARRAL ON 27 MAY 2001.						
Owner/Manager:	PVT						
Occurrence No.	81	Map Index:	61564	EO Index:	61600	Element Last Seen:	2001-06-15
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2001-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10118 / -117.12838				Accuracy:	1/10 mile	
UTM:	Zone-11 N3662511 E488020				Elevation (ft):	770	
PLSS:	T12S, R02W, Sec. 30 (S)				Acres:	0.0	
Location:	0.5 MILE NE OF HARMONY GROVE.						
Detailed Location:	LIZARDS FOUND IN THE DIEGAN COASTAL SAGE SCRUB.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB REMNANT IN AN AREA CONTAINING 2 EGG RANCHES, A DAIRY & AN ORCHARD.						
General:	2 ADULTS OBSERVED ON 15 JUN 2001.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	111	Map Index:	80180	EO Index:	81160	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-09-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09096 / -117.22393				Accuracy:	specific area	
UTM:	Zone-11 N3661394 E479102				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 32, NW (S)				Acres:	10.0	
Location:	0.2 MI N OF S RANCHO SANTA FE RD (S10) AT CAMINO JUNIPERO, 0.3 MI SSE OF BM 533 IN RANCHO LA COSTA PRESERVE.						
Detailed Location:	MAPPED TO COORDINATES PROVIDED AS A SHAPEFILE. JUST E OF RANCHO SANTA FE RD.						
Ecological:	RESIDENCE AREA TO THE SW AND NE.						
General:	UNKNOWN NUMBER OBSERVED BY CENTER FOR NATURAL LANDS MANAGEMENT DURING FIELD WORK FROM 1998 TO 2002. EXACT OBSERVED DATES UNKNOWN.						
Owner/Manager:	CNLM						

Occurrence No.	148	Map Index:	B3685	EO Index:	116598	Element Last Seen:	2016-04-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-04-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-08-14
Quad Summary:	Morro Hill (3311733), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37433 / -117.30646				Accuracy:	specific area	
UTM:	Zone-11 N3692828 E471493				Elevation (ft):	235	
PLSS:	T09S, R04W, Sec. 21 (S)				Acres:	20.0	
Location:	SE SIDE SANTA MARGARITA RIVER, 1.2 MI NE OF THE DE LUZ CREEK CONFLUENCE & 2.7-2.9 MI WNW OF ALTURAS RD AT AMMUNITION RD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. WEST SIDE OF FALLBROOK NAVAL WEAPONS STATION.						
Ecological:							
General:	UP TO 25 INDIVIDUALS, INCLUDING SUBADULTS, CAUGHT AND RELEASED DURING PITFALL TRAPPING, 11 DEC 2015 TO 6 APR 2016.						
Owner/Manager:	DOD-FALLBROOK NWS						

Arizona elegans occidentalis				Element Code: ARADB01017			
California glossy snake							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G5T2	
	State:	None			State:	S2	
	Other:	CDFW_SSC-Species of Special Concern					
Habitat:	General:	PATCHILY DISTRIBUTED FROM THE EASTERN PORTION OF SAN FRANCISCO BAY, SOUTHERN SAN JOAQUIN VALLEY, AND THE COAST, TRANSVERSE, AND PENINSULAR RANGES, SOUTH TO BAJA CALIFORNIA.					
	Micro:	GENERALIST REPORTED FROM A RANGE OF SCRUB AND GRASSLAND HABITATS, OFTEN WITH LOOSE OR SANDY SOILS.					



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Occurrence No.	130	Map Index:	A3475	EO Index:	105110	Element Last Seen:	189X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	189X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.17981 / -117.36076				Accuracy:	1 mile	
UTM:	Zone-11 N3671279 E466368				Elevation (ft):	58	
PLSS:	T11S, R05W, Sec. 36 (S)				Acres:	1987.0	
Location:	SOUTH OCEANSIDE.						
Detailed Location:	MAPPED TO GENERAL LOCATION BETWEEN CARLSBAD AND OCEAN SIDE, EXACT LOCATION UNKNOWN.						
Ecological:							
General:	SPECIMEN COLLECTED IN THE 1890S.						
Owner/Manager:	UNKNOWN						

Occurrence No.	131	Map Index:	A3477	EO Index:	105112	Element Last Seen:	1967-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1967-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-24
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.21602 / -117.22725				Accuracy:	2/5 mile	
UTM:	Zone-11 N3675258 E478823				Elevation (ft):	442	
PLSS:	T11S, R03W, Sec. 18, SE (S)				Acres:	280.0	
Location:	E VISTA WAY ABOUT 6 MI S OF BONSALL.						
Detailed Location:	STATED LOCALITY: "6 MILES (BY OLD RIVER RD.) SE BONSALL." OLD RIVER RD RUNS SE IN BONSALL AND THEN S. OLD RIVER RD BECOMES E VISTA WAY.						
Ecological:							
General:	COLLECTED IN MAY 1967.						
Owner/Manager:	UNKNOWN						

Occurrence No.	132	Map Index:	A3480	EO Index:	105115	Element Last Seen:	1939-05-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1939-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03427 / -117.28227				Accuracy:	1 mile	
UTM:	Zone-11 N3655122 E473641				Elevation (ft):	181	
PLSS:	T13S, R04W, Sec. 22 (S)				Acres:	1987.0	
Location:	GENERAL VICINITY OF ENCINTAS AND CARDIFF-BY-THE-SEA.						
Detailed Location:	EXACT LOCATION UNKNOWN.						
Ecological:							
General:	SPECIMENS COLLECTED ON 25 AUG 1927 AND 23 MAY 1939.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	133	Map Index:	A3481	EO Index:	105116	Element Last Seen:	2012-12-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01952 / -117.17459				Accuracy:	80 meters	
UTM:	Zone-11 N3653464 E483694				Elevation (ft):	222	
PLSS:	T13S, R03W, Sec. 27, NE (S)				Acres:	5.0	
Location:	ARTESIAN RD ABOUT 0.78 MI W OF INTERSECTION WITH RIO VISTA RD, EAST RANCHO SANTA FE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	HABITAT WAS SPARSELY VEGETATED SAGE SCRUB HILLSIDE NEAR PERMANENT STREAM.						
General:	2 YOUNG OF YEAR FOUND DOR ON 2 OCT AND 3 DEC 2012.						
Owner/Manager:	UNKNOWN						

Occurrence No.	134	Map Index:	A3483	EO Index:	105118	Element Last Seen:	2013-10-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-10-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01827 / -117.16719				Accuracy:	80 meters	
UTM:	Zone-11 N3653325 E484385				Elevation (ft):	364	
PLSS:	T13S, R03W, Sec. 26, NW (S)				Acres:	5.0	
Location:	ARTESIAN RD, ABOUT 0.29 MI W OF INTERSECTION WITH RIO VISTA RD, EAST RANCHO SANTA FE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	HABITAT WAS COASTAL SAGE SCRUB, RESIDENTIAL.						
General:	1 YOUNG OF YEAR FOUND DOR ON 4 OCT 2013.						
Owner/Manager:	UNKNOWN						

Occurrence No.	135	Map Index:	A3484	EO Index:	105119	Element Last Seen:	2014-03-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-03-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01362 / -117.17462				Accuracy:	specific area	
UTM:	Zone-11 N3652811 E483691				Elevation (ft):	54	
PLSS:	T13S, R03W, Sec. 27, SE (S)				Acres:	10.0	
Location:	ARTESIAN RD, ABOUT 0.95 ROAD MILES E OF INTERSECTION WITH LAS COLINAS, EAST RANCHO SANTA FE.						
Detailed Location:	VICINITY OF SAN DIEGUITO RIV & LUSARDI CRK. MAPPED TO COORDINATES. SPECIMEN COLLECTED FROM "RANCHO SANTA FE, END OF PASEO PINTORESCO" ATTRIBUTED HERE, BUT MAY HAVE BEEN CLOSER TO FAIRBANKS LAKE, VICINITY OF HISTORIC FAIRBANKS RANCH.						
Ecological:	HABITAT WAS SANDY RIPARIAN CANYON BOTTOM WITH NON-NATIVE VEGETATION/COASTAL SAGE SCRUB.						
General:	SPECIMEN COLLECTED IN 1975. 1 YOUNG OF YEAR FOUND ON ROAD ON 23 SEP 2013. 1 SUB-ADULT FOUND UNDER ARTIFICIAL COVER ON 6 MAR 2014.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	157	Map Index:	A3525	EO Index:	105156	Element Last Seen:	1968-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1968-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-01-26		
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01809 / -117.06279	Accuracy:	1 mile				
UTM:	Zone-11 N3653294 E494135	Elevation (ft):	477				
PLSS:	T13S, R02W, Sec. 26 (S)	Acres:	1987.0				
Location:	VICINITY OF RANCHO BERNARDO.						
Detailed Location:	STATED LOCALITY "RANCHO BERNARDO," EXACT LOCATIONS UNKNOWN.						
Ecological:							
General:	SPECIMEN COLLECTED IN JUN 1968.						
Owner/Manager:	UNKNOWN						
Occurrence No.	206	Map Index:	A3678	EO Index:	105316	Element Last Seen:	1946-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1946-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-02-09		
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04526 / -117.12861	Accuracy:	1 mile				
UTM:	Zone-11 N3656312 E487992	Elevation (ft):	209				
PLSS:	T13S, R02W, Sec. 18 (S)	Acres:	1987.0				
Location:	VICINITY OF HODGES DAM, LAKE HODGES.						
Detailed Location:							
Ecological:							
General:	KLAUBER 1946 ARTICLE NAMED HODGES DAM AS OCCURRENCE LOCALITY.						
Owner/Manager:	UNKNOWN						
Occurrence No.	207	Map Index:	A3685	EO Index:	105323	Element Last Seen:	1946-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1946-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-02-09		
Quad Summary:	Del Mar (3211782), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	32.98955 / -117.26856	Accuracy:	1 mile				
UTM:	Zone-11 N3650160 E474909	Elevation (ft):	112				
PLSS:	T14S, R04W, Sec. 2 (S)	Acres:	1987.0				
Location:	VICINITY OF SOLANA BEACH.						
Detailed Location:							
Ecological:							
General:	KLAUBER 1946 ARTICLE NAMED SOLANA BEACH AS OCCURRENCE LOCALITY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	208	Map Index:	A3686	EO Index:	105324	Element Last Seen:	1946-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1946-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08234 / -117.28468				Accuracy:	1 mile	
UTM:	Zone-11 N3660451 E473431				Elevation (ft):	184	
PLSS:	T12S, R04W, Sec. 34 (S)				Acres:	1987.0	
Location:	VICINITY OF LA COSTA AND LEUCADIA.						
Detailed Location:							
Ecological:							
General:	KLAUBER 1946 ARTICLE NAMED LA COSTA AND LEUCADIA AS OCCURRENCE LOCALITY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	210	Map Index:	68534	EO Index:	105331	Element Last Seen:	1946-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1946-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.29014 / -117.22399				Accuracy:	1 mile	
UTM:	Zone-11 N3683475 E479144				Elevation (ft):	77	
PLSS:	T10S, R03W, Sec. 20 (S)				Acres:	0.0	
Location:	VICINITY OF BONSTALL.						
Detailed Location:							
Ecological:							
General:	KLAUBER 1946 ARTICLE NAMED BONSTALL AS OCCURRENCE LOCALITY.						
Owner/Manager:	UNKNOWN						



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Diadophis punctatus similis

Element Code: ARADB1001A

San Diego ringneck snake

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G5T4

State: None

State: S2?

Other: USFS_S-Sensitive

Habitat: **General:** OPEN, FAIRLY ROCKY AREAS. USE BOARDS, FLAT ROCKS, WOODPILES, STABLE TALUS, ROTTING LOGS AND SMALL GROUND HOLES FOR COVER.

Micro: PREFER AREAS WITH SURFACE LITTER OR HERBACEOUS VEGETATION. OFTEN IN SOMEWHAT MOIST AREAS NEAR INTERMITTENT STREAMS.

Occurrence No.	13	Map Index:	B3706	EO Index:	116619	Element Last Seen:	2016-03-17
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2016-03-17
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2019-08-13

Quad Summary: Morro Hill (3311733), Fallbrook (3311743)

County Summary: San Diego

Lat/Long:	33.37369 / -117.30565	Accuracy:	specific area
UTM:	Zone-11 N3692757 E471568	Elevation (ft):	259
PLSS:	T09S, R04W, Sec. 21, N (S)	Acres:	10.0

Location: ABOUT 1.3 MI NE OF THE CONFLUENCE OF SANTA MARGARITA RIVER & DE LUZ CREEK, 2.8 MI WNW OF AMMUNITION RD AT ALTURAS RD.

Detailed Location: MAPPED TO PROVIDED COORDINATES. NW SIDE OF FALLBROOK NAVAL WEAPONS STATION.

Ecological:

General: 1 ADULT CAUGHT AND RELEASED DURING PITFALL TRAPPING ON 9 MAR & 1 ADULT INCIDENTALLY OBSERVED ON 17 MAR 2016.

Owner/Manager: DOD-FALLBROOK NWS



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Salvadora hexalepis virgultea

Element Code: ARADB30033

coast patch-nosed snake

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G5T4

State: None

State: S3

Other: CDFW_SSC-Species of Special Concern

Habitat: **General:** BRUSHY OR SHRUBBY VEGETATION IN COASTAL SOUTHERN CALIFORNIA.

Micro: REQUIRE SMALL MAMMAL BURROWS FOR REFUGE AND OVERWINTERING SITES.

Occurrence No.	16	Map Index:	63327	EO Index:	63419	Element Last Seen:	2005-10-23
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2005-10-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-12-07	

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long:	33.08422 / -117.14393	Accuracy:	80 meters
UTM:	Zone-11 N3660632 E486566	Elevation (ft):	900
PLSS:	T12S, R03W, Sec. 36, SE (S)	Acres:	0.0

Location: SOUTH OF SAN ELIJO CANYON, 4 MILES SW OF ESCONDIDO.

Detailed Location: SITE IS LOCATED ON "THE WAY UP" TRAIL IN THE BLM/OLIVENHAIN MUNICIPAL WATER DISTRICTS "ELFIN FOREST" RESCREATIONAL RESERVE.

Ecological: HABITAT CONSISTS OF A NW-FACING HILLSIDE OF CHAPARRAL/SCRUB, DOMINATED BY CEANOTHUS, BLACK SAGE, SCRUB OAK, LAUREL SUMAC; COVERED BY LOOSE, SANDY SOIL WITH LARGER GRANITIC ROCKS AND OUTCROPS.

General: 1 JUVENILE (~10" IN LENGTH) OBSERVED ON 23 OCT 2005.

Owner/Manager: BLM, PVT-OLIVENHAIN MWD

Occurrence No.	21	Map Index:	79262	EO Index:	80238	Element Last Seen:	2000-XX-XX
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2000-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-07-06	

Quad Summary: San Marcos (3311722), San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.14256 / -117.25146	Accuracy:	80 meters
UTM:	Zone-11 N3667120 E476547	Elevation (ft):	472
PLSS:	T12S, R04W, Sec. 12, SE (S)	Acres:	0.0

Location: 0.9 MILE NNW INTERSECTION OF PALOMAR AIRPORT ROAD AND MELROSE DRIVE, NEAR CARLSBAD OAKS PRESERVE, CARLSBAD.

Detailed Location: ABOUT 200 METERS NORTHWEST THE END OF WHIPTAIL LOOP E. MAPPED TO COORDINATES GIVEN.

Ecological: IT APPEARS THAT THIS AREA HAS BEEN GRADED FOR DEVELOPMENT (NAIP AERIAL IMAGE 2009).

General: OBSERVED SOMETIME DURING 2000 BY MERKEL & ASSOCIATES.

Owner/Manager: UNKNOWN



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Thamnophis sirtalis pop. 1

Element Code: ARADB3613F

south coast gartersnake

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5T1T2
	State:	None		State:	S1S2
	Other:	CDFW_SSC-Species of Special Concern			
Habitat:	General:	SOUTHERN CALIFORNIA COASTAL PLAIN FROM VENTURA COUNTY TO SAN DIEGO COUNTY, AND FROM SEA LEVEL TO ABOUT 850 M.			
	Micro:	MARSH AND UPLAND HABITATS NEAR PERMANENT WATER WITH GOOD STRIPS OF RIPARIAN VEGETATION.			

Occurrence No.	1	Map Index:	73559	EO Index:	74528	Element Last Seen:	2009-04-13
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:			2009-04-13
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2010-06-22

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.22671 / -117.34398	Accuracy:	specific area
UTM:	Zone-11 N3676473 E467948	Elevation (ft):	35
PLSS:	T11S, R04W, Sec. 18, NW (S)	Acres:	15.0

Location: ALONG THE SAN LUIS REY RIVER, 0.1-0.4 MI NORTH OF FOUSSAT RD, SAN LUIS REY. SAN LUIS REY OPEN SPACE.

Detailed Location: IN TWO SUMMERS OF INTENSIVE BIRD MONITORING, ONLY TWO INDIVIDUALS OF THIS SPECIES FOUND IN AREA DURING 2006. IN 2009, THIS WAS THE FOURTH INDIVIDUAL SEEN DURING 4 YEARS OF LEAST BELL'S VIREO MONITORING. MAPPED TO PROVIDED COORDINATES.

Ecological: WILLOW RIPARIAN COMMUNITY WITH S. GOODINGII, S. LASIOLEPIS, P. FREMONTII. OUTSIDE LEVEE, HABITAT IS LOW RUDERAL VEGETATION DOMINATED BY MUSTARDS & MULE FAT. INVADDED BY ARUNDO DONAX.

General: 18 MAY 2006: ADULT SNAKE SUNNING IN OPEN FIELD W/MUSTARD. 10 JUL 2006; SMALL SNAKE (18") EMERGING FROM BURROW ON S FACING SLOPE OF LEVEE, PROCEEDED TOWARD WEEDY OPEN AREA. 13 APR 2009:1 ADULT OBS IN LOW WEEDS (CLEARED AREA) ADJ TO RIPARIAN.

Owner/Manager: CITY OF OCEANSIDE

Thamnophis hammondi

Element Code: ARADB36160

two-striped gartersnake

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G4
	State:	None		State:	S3S4
	Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive			
Habitat:	General:	COASTAL CALIFORNIA FROM VICINITY OF SALINAS TO NORTHWEST BAJA CALIFORNIA. FROM SEA TO ABOUT 7,000 FT ELEVATION.			
	Micro:	HIGHLY AQUATIC, FOUND IN OR NEAR PERMANENT FRESH WATER. OFTEN ALONG STREAMS WITH ROCKY BEDS AND RIPARIAN GROWTH.			



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Occurrence No.	64	Map Index:	46774	EO Index:	46774	Element Last Seen:	1991-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-12-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10412 / -117.21263				Accuracy:	specific area	
UTM:	Zone-11 N3662849 E480160				Elevation (ft):	420	
PLSS:	T12S, R03W, Sec. 29, NE (S)				Acres:	9.5	
Location:	4.5 MILES WEST FROM HARMONY GROVE; ALONG SAN MARCOS CREEK 0.65 MILE EAST OF RANCHO SANTA FE ROAD.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A FRESHWATER WETLAND DOMIATED BY PERENNIAL MONOCOTS. OTHER SPECIES INCLUDE: SCIRPUS SPP., TYPHA SPP., PLANTAGO SP., MARSH ELDER, SPINY RUSH, AND WATER-CRESS (RORIPPA NASTURTIIUM AQUATICUM).						
General:	SURVEYS OCCURED ON FOLLOWING DATES: 5 NOV 1989, 6 AND 11 DEC 1989, 8 MAY 1990, 18 MAY 1990, 25 MAY 1990, 21 DEC 1990 AND 4 JAN 1991.						
Owner/Manager:	PVT						

Occurrence No.	65	Map Index:	46788	EO Index:	46788	Element Last Seen:	1998-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-12-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10393 / -117.22428				Accuracy:	non-specific area	
UTM:	Zone-11 N3662831 E479073				Elevation (ft):	400	
PLSS:	T12S, R03W, Sec. 29 (S)				Acres:	55.5	
Location:	CARLSBAD/ SAN MARCOS; LOCATED ALONG RANCHO SANTA FE RD 0.5 MILE NORTH AND 0.6 MILE SOUTH OF SAN MARCOS CREEK CROSSING.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SRUB & SOUTHERN MIXED CHAPARRAL LOCATED ALONG HILLSIDES ON WEST & EAST SIDES OF RANCHO SANTA FE RD. ANNUAL GRASSLAND, EUCALYPTUS, NEEDLEGRASS, WILLOW SCRUB, & MARSH HABITAT ALSO PRESENT.						
General:	UNKNOWN NUMBER OBSERVED WITHIN PROJECT BOUNADARY.						
Owner/Manager:	CALTRANS						



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Occurrence No.	83	Map Index:	54788	EO Index:	54794	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34690 / -117.37099				Accuracy:	80 meters	
UTM:	Zone-11 N3689807 E465479				Elevation (ft):	444	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	0.5 MILE SW OF THE INTERSECTION OF BASILONE ROAD & ROBLAR ROAD, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAY 16. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	1 SNAKE CAPTURED IN PIT-FALL TRAP ARRAY. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THIS ARRAY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	84	Map Index:	54795	EO Index:	54796	Element Last Seen:	1999-11-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-11-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-23
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34356 / -117.36363				Accuracy:	80 meters	
UTM:	Zone-11 N3689434 E466162				Elevation (ft):	400	
PLSS:	T10S, R05W, Sec. 01, NW (S)				Acres:	0.0	
Location:	0.45 MI SOUTH OF THE INTERSECTION OF BASILONE ROAD AND ROBLAR ROAD, CAMP PENDLETON MCB.						
Detailed Location:	SITE NAME: CAMP PENDLETON. PIT-FALL TRAP ARRAY 19. MAPPED ACCORDING TO MAP GIVEN.						
Ecological:							
General:	1 SNAKE CAPTURED IN PIT-FALL TRAP ARRAY. 17 SAMPLE PERIODS (120 SAMPLE DAYS) BETWEEN 14 DEC 1996 AND 10 NOV 1999 FOR ALL 30 PIT-FALL TRAP ARRAYS. NOT KNOWN WHICH DATES APPLY TO THIS ARRAY.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Crotalus ruber					Element Code: ARADE02090		
red-diamond rattlesnake							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G4
	State:	None				State:	S3
	Other:	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive					
Habitat:	General:	CHAPARRAL, WOODLAND, GRASSLAND, AND DESERT AREAS FROM COASTAL SAN DIEGO COUNTY TO THE EASTERN SLOPES OF THE MOUNTAINS.					
	Micro:	OCCURS IN ROCKY AREAS AND DENSE VEGETATION. NEEDS RODENT BURROWS, CRACKS IN ROCKS OR SURFACE COVER OBJECTS.					



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Occurrence No.	1	Map Index:	24639	EO Index:	6662	Element Last Seen:	1983-05-01
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1983-05-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-09-16
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36907 / -117.31769				Accuracy:	non-specific area	
UTM:	Zone-11 N3692248 E470447				Elevation (ft):	275	
PLSS:	T09S, R04W, Sec. 29, NE (S)				Acres:	126.8	
Location:	NORTH OF THE INTERSECTION OF THE SANTA MARGARITA RIVER AND DELUZ CREEK. CAMP PENDLETON MCB.						
Detailed Location:	ONE OR TWO ADULT SNAKES FOUND IN OR AROUND EACH ROCKY OUTCROP.						
Ecological:	SCATTERED GRANITIC OUTCROPS IN COASTAL SAGE SCRUB.						
General:	SIX ADULTS OBSERVED.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	5	Map Index:	25988	EO Index:	5901	Element Last Seen:	1993-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-09-25
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.20617 / -117.37765				Accuracy:	non-specific area	
UTM:	Zone-11 N3674206 E464803				Elevation (ft):	100	
PLSS:	T11S, R05W, Sec. 23 (S)				Acres:	85.0	
Location:	VICINITY OF LAWRENCE CANYON, ADJACENT TO I-5 AND SOUTHEAST OF THE SAN LUIS REY RIVER, OCEANSIDE.						
Detailed Location:	SITE IS SURROUNDED BY URBAN AND RESIDENTIAL DEVELOPMENT, EXCEPT TO THE NORTH, WHERE IT IS BORDERED BY BOTH RIVERSIDE DRIVE AND THE SAN LUIS REY RIVER.						
Ecological:	HABITAT IS COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, AND VERNAL POOLS. OTHER RARE TAXA INCLUDE AIMOPHILA RUFICEPS CANESCENS, POLIOPTILA CALIFORNICA, DENDROICA PETECHIA, ICTERIA VIRENS, ACCIPITER COOPERI, AND VIREO BELLII PUSILLUS.						
General:	UNKNOWN NUMBER OBSERVED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	7	Map Index:	33285	EO Index:	1625	Element Last Seen:	1995-04-21
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1995-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-30
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05138 / -117.01528				Accuracy:	80 meters	
UTM:	Zone-11 N3656983 E498573				Elevation (ft):	900	
PLSS:	T13S, R01W, Sec. 18, NE (S)				Acres:	0.0	
Location:	EAST OF OLD COACH ROAD, 1 MILE SOUTH OF HIGHLAND VALLEY ROAD, 3 MILES NE OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA.						
General:	ON 21 APRIL 1995, 1 JUVENILE WAS OBSERVED SUNNING ADJACENT TO A LARGE ROCK OUTCROP, ON A SOUTH-FACING SLOPE.						
Owner/Manager:	PVT						

Occurrence No.	10	Map Index:	33643	EO Index:	30254	Element Last Seen:	1995-05-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1995-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-02-25
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.24523 / -117.15170				Accuracy:	80 meters	
UTM:	Zone-11 N3678484 E485867				Elevation (ft):	600	
PLSS:	T11S, R03W, Sec. 01, SW (S)				Acres:	0.0	
Location:	BETWEEN I-15 AND CHAMPAGNE BLVD, NEAR LAWRENCE WELK VILLAGE, NORTH OF ESCONDIDO.						
Detailed Location:	SNAKE FOUND IN A NARROW STRIP OF VEGETATION, BETWEEN CHAMPAGNE BLVD AND I-15.						
Ecological:	HABITAT CONSISTS OF COASTAL SAGE/CHAPARRAL SCRUB, DOMINATED BY ERIOGONUM FASCICULATUM, ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, KECKIELLA ANTIRRHINOIDES, AND OTHERS. OTHER RARE TAXA INCLUDE COMAROSTAPHYLIS DIVERSILOBA, OTW, AND CTS.						
General:	1 LARGE (2+ METERS IN LENGTH) ADULT OBSERVED ON 17 MAY 1995.						
Owner/Manager:	PVT						



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Occurrence No.	76	Map Index:	51073	EO Index:	51073	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2003-04-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01156 / -117.15766				Accuracy:	1/10 mile	
UTM:	Zone-11 N3652579 E485273				Elevation (ft):	280	
PLSS:	T13S, R03W, Sec. 26, SE (S)				Acres:	0.0	
Location:	0.3 MILE UPSTREAM TRIBUTARY TO LUSARDI CREEK AND 1 MILE WEST OF SAN DIEGUITO RIVER, EAST OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	BOULDER OUTCROPS WITH DEEP CRACKS AND FISSURES. SANTIAGO PEAK VOLCANIC SOILS.						
General:	A SHED SKIN OBSERVED DURING ONE OR MORE OF THE FOLLOWING YEARS: 1993, 1997 OR 1998 DURING CALIFORNIA GNATCATCHER SURVEYS. LOCATION IS CONSIDERED TO BE SUITABLE FOR AN OVERWINTERING RATTLESNAKE HIBERNACULA.						
Owner/Manager:	PVT, UNKNOWN						

Occurrence No.	81	Map Index:	37909	EO Index:	51602	Element Last Seen:	1996-02-02
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1996-02-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-29
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36585 / -117.16741				Accuracy:	non-specific area	
UTM:	Zone-11 N3691858 E484425				Elevation (ft):	400	
PLSS:	T09S, R03W, Sec. 26 (S)				Acres:	32.9	
Location:	WEST OF I-395, ALONG THE PALA MESA GOLF CLUB, 5 MILES ESE OF FALLBROOK.						
Detailed Location:	LOCATED ON A SLOPE ABOVE THE GOLF COURSE.						
Ecological:	HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB ON A GENTLE TO STEEP SOUTHWEST-FACING SLOPE. PLANTS INCLUDE ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, MALOSMA LAURINA. FRINGE AREAS SUPPORT RELICT OAK WOODLAND, RIPARIAN SCRUB VEGETATION.						
General:	DENNING SITE OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS 2-16 FEB 1996. NUMEROUS SHED SKINS OBSERVED. ~40% OF SITE IS PLANNED TO REMAIN AS OPEN SPACE.						
Owner/Manager:	PVT						



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Occurrence No.	100	Map Index:	59977	EO Index:	60016	Element Last Seen:	2003-04-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2003-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-02-14
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06132 / -117.13437				Accuracy:	non-specific area	
UTM:	Zone-11 N3658093 E487455				Elevation (ft):	1000	
PLSS:	T13S, R02W, Sec. 07, NW (S)				Acres:	45.9	
Location:	1 MILE NORTH OF LAKE HODGES DAM, ON THE WEST SIDE OF LAKE HODGES, SSW OF DEL DIOS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF MAFIC SOUTHERN MIXED CHAPARRAL ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, 9-70% SLOPES; DOMINATED BY CEANOTHUS VERRUCOSUS, C. OLIGANTHUS, ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, AND RHUS INTEGRIFOLIA.						
General:	1 ADULT OBSERVED ON 4 APR 2003.						
Owner/Manager:	PVT						

Occurrence No.	105	Map Index:	71666	EO Index:	72565	Element Last Seen:	2007-09-19
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2007-09-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-07-16
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35618 / -117.11283				Accuracy:	80 meters	
UTM:	Zone-11 N3690780 E489501				Elevation (ft):	375	
PLSS:	T09S, R02W, Sec. 32, N (S)				Acres:	0.0	
Location:	JUST WSW OF THE INTERSECTION OF PALA DEL NORTE RD & STATE HIGHWAY 76, NEAR SAN LUIS REY RIVER, PALA.						
Detailed Location:	MAPPED WITH RESPECT TO PROVIDED COORDINATES AND MAP. ADJACENT TO THE WESTERN EDGE OF THE PALA SUBSTATION. PROJECT: LINEAR CORRIDOR, ORANGE GROVE PROJECT.						
Ecological:	COASTAL SAGE SCRUB (SOUTHERN ASPECT) DOMINATED BY CALIF. SAGEBRUSH, CALIF. COASTAL BUCKWHEAT, LAUREL SUMAC, HOLLY-LEAVED CHERRY, SCRUB OAK, AND WHITE SAGE.						
General:	1 ADULT OBSERVED ON 19 SEP 2007.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	189	Map Index:	A8389	EO Index:	110172	Element Last Seen:	2017-04-06
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-04-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-04-12
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36812 / -117.15425				Accuracy:	specific area	
UTM:	Zone-11 N3692109 E485650				Elevation (ft):	1001	
PLSS:	T09S, R03W, Sec. 25 (S)				Acres:	48.0	
Location:	MONSERATE MOUNTAIN PRESERVE & VICINITY, FROM ABOUT 0.5 MILES SE TO 0.7 MILES NE OF I-15 AT STEWART CANYON DR.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	COASTAL SAGE SCRUB WITH NATIVE & NON NATIVE GRASSES ON ROCKY SLOPE. SOUTHMOST PART OF OCCURRENCE WAS BEING CLEARED AND DEVELOPED IN 2017. NORTH PART OF OCCURRENCE ON PROTECTED PRESERVE.						
General:	1 ADULT OBSERVED IN 2004. 4 ADULTS OBS 16 MAR 2013. 1 ADULT OBS 22 MAR 2014. 2 SUB-ADULTS & 2 ADULTS OBS JUL 2015. 1 SUB-ADULT OBS 12 JUL 2016. 1 ADULT KILLED BY CONSTRUCTION EQUIPMENT DURING VEG CLEARING ON 6 APR 2017.						
Owner/Manager:	PVT, FALLBROOK LAND CONS						

Occurrence No.	190	Map Index:	B1147	EO Index:	113040	Element Last Seen:	2017-05-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06064 / -117.17971				Accuracy:	specific area	
UTM:	Zone-11 N3658024 E483224				Elevation (ft):	261	
PLSS:	T13S, R03W, Sec. 10 (S)				Acres:	15.0	
Location:	VICINITY OF ESCONDIDO CREEK, 0.2 MI NE - 0.4 MI NNE OF VIA RAVELLO AT CALLE LA SERRA & 2.3 -2.5 MI SW OF OLIVENHAIN DAM.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. NORTH POLYGON ON RANCHO LA COSTA PRESERVE (CNLM). SOUTH POLYGONS ON SAN DIEGO HABITAT CONSERVANCY & PRIVATELY-OWNED PROPERTIES.						
Ecological:	DISTURBED DIEGAN COASTAL SAGE SCRUB TRAVERSED BY DIRT ROADS.						
General:	DETECTED IN 2007. 1 ADULT OBSERVED ON 30 MAR 2015. 1 ADULT OBSERVED ON 17 MAY 2017.						
Owner/Manager:	PVT						



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Maritime Succulent Scrub

Element Code: CTT32400CA

Maritime Succulent Scrub

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G2

State: None

State: S1.1

Other:

Habitat: General: ☐

Micro: ☐

Occurrence No. 13 Map Index: 03836 EO Index: 26304 Element Last Seen: 1983-08-16

Occ. Rank: Unknown Presence: Presumed Extant Site Last Seen: 1983-08-16

Occ. Type: Natural/Native occurrence Trend: Unknown Record Last Updated: 1998-07-13

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long: 33.01518 / -117.17414 Accuracy: 1 mile

UTM: Zone-11 N3652983 E483735 Elevation (ft): 200

PLSS: T13S, R03W, Sec. 27, N (S) Acres: 0.0

Location: EAST OF RANCHO SANTA FE; JUST NORTH OF JUNCTION OF SAN DIEGUITO RIVER & LUSARDI CREEK.

Detailed Location: MAY BE DEPAUPERATE EXAMPLE BECAUSE STAND IS AT NORTHERN LIMIT OF COMMUNITY'S RANGE.

Ecological: QUESTIONABLY THIS COMMUNITY: DOM INCLUDE ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, OPUNTIA PROLIFERA. FEROCACTUS VIRIDESCENS UNCOMMON.

General: CACTUS WREN PRESENT. SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: PVT-RANCHO SANTA FE SQUARES

Southern Maritime Chaparral

Element Code: CTT37C30CA

Southern Maritime Chaparral

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G1

State: None

State: S1.1

Other:

Habitat: General: ☐

Micro: ☐



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Occurrence No.	1	Map Index:	03527	EO Index:	15029	Element Last Seen:	1993-05-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06833 / -117.27161				Accuracy:	specific area	
UTM:	Zone-11 N3658894 E474647				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 02, W (S)				Acres:	287.4	
Location:	IMMEDIATELY SOUTH OF BATIQUITOS LAGOON, WEST OF EL CAMINO REAL BLVD, AND NORTH OF ENCINITAS BLVD.						
Detailed Location:	FLAT MESAS WITH STEEP SEVERELY ERODED HILLS, GULLIES, AND DRAINAGES. ALSO T12S R4W SECTION 35 SW1/4 AND T13S R4W SECTION 11 W1/2. THIS LOCATION IS WEST PORTION OF HOGAN'S #6.						
Ecological:	INDICATOR SPECIES INCLUDE ENDEMIC ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA, CEANOTHUS VERRUCOSUS, BACCHARIS VANESSAE, LESSINGIA FILAGINIFOLIA VAR. FILAGINIFOLIA, COMAROSTAPHYLOS DIVERSIFOLIA, AND CHORIZANTHE ORCUTTIANA.						
General:	SUPPORTS CALIFORNIA GNATCATCHER, ORANGE-THROATED WHIPTAIL. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	PVT						

Occurrence No.	5	Map Index:	22097	EO Index:	16648	Element Last Seen:	1993-05-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1998-07-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11024 / -117.27157				Accuracy:	specific area	
UTM:	Zone-11 N3663541 E474662				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 23 (S)				Acres:	362.2	
Location:	SOUTH OF PALOMAR AIRPORT ROAD, ON THE EAST AND WEST SIDES OF EL CAMINO REAL BLVD, AND NORTH OF ALGA ROAD.						
Detailed Location:	ON FLAT MESAS. ADJACENT STEEP, SEVERELY ERODED HILLS, GULLIES SUPPORT SCRUB OAK, LEMONADEBERRY, SUMMER HOLLY. ALSO SECTIONS 22 NE1/4, 26 N1/2, AND 27 NE1/4. THIS LOCATION IS HOGAN'S #5.						
Ecological:	SPECIES PRESENT INCLUDE ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA, CEANOTHUS VERRUCOSUS, COMAROSTAPHYLIS DIVERSIFOLIA, ADOLPHIA CALIFORNICA, SELAGINELLA CINERASCENS IN LATE SERAL STAGE; COMMUNITY MATURE. ON LOAMY HUERHUERO COMPLEX SOILS.						
General:	ONE OF BEST REMAINING STANDS OF SOUTHERN MARITIME CHAPARRAL ACCORDING TO MESSINA (1992). SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	PVT						



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Occurrence No.	6	Map Index:	27881	EO Index:	25785	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-08-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13872 / -117.29702				Accuracy:	specific area	
UTM:	Zone-11 N3666705 E472297				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 16 (S)				Acres:	101.3	
Location:	EVANS POINT, 0.2-1 AIR MILE SOUTH OF EL CAMINO REAL BLVD.						
Detailed Location:	4 POLYGONS MAPPED AT CNDDDB. THIS LOCATION IS HOGAN'S #2.						
Ecological:	ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA KNOWN FROM THE SITE. SOILS PRIMARILY LAS FLORES LOAMY FINE SAND, LOAMY ALLUVIAL LAND-HUERHUERO COMPLEX AND VISALIA SANDY LOAM. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	7	Map Index:	27883	EO Index:	26350	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-03-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.12702 / -117.29450				Accuracy:	specific area	
UTM:	Zone-11 N3665407 E472528				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 15 (S)				Acres:	14.6	
Location:	APPROXIMATELY 0.5 AIR MILE WEST OF PALOMAR AIRPORT AND 1.7-1.9 AIR MILES EAST OF INTERSTATE 5.						
Detailed Location:	THIS LOCATION IS HOGAN'S #4.						
Ecological:	ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA KNOWN FROM THE SITE. SOIL PRIMARILY LOAMY ALLUVIAL LAND-HUERHUERO COMPLEX WITH SOME VISALIA SANDY LOAM. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	8	Map Index:	27882	EO Index:	26351	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-03-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13688 / -117.26448			Accuracy:	specific area		
UTM:	Zone-11 N3666492 E475331			Elevation (ft):	250		
PLSS:	T12S, R04W, Sec. 14 (S)			Acres:	10.0		
Location:	NE OF PALOMAR AIRPORT, APPROX. 0.4-0.5 AIR MILE N OF PALOMAR AIRPORT ROAD AND 0.4-0.6 AIR MILE E OF EL CAMINO REAL BLVD.						
Detailed Location:	THIS LOCATION IS HOGAN'S #3.						
Ecological:	SOIL IS CIENEBA COARSE SANDY LOAM. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	9	Map Index:	27868	EO Index:	21413	Element Last Seen:	1993-05-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02602 / -117.25940			Accuracy:	specific area		
UTM:	Zone-11 N3654201 E475775			Elevation (ft):	270		
PLSS:	T13S, R04W, Sec. 23, E (S)			Acres:	119.9		
Location:	LUX CANYON, EAST OF I-5, SOUTH OF SANTA FE DRIVE, WEST OF EL CAMINO REAL BLVD. AND NORTHWEST OF MANCHESTER AVENUE.						
Detailed Location:	CHAPARRAL PATCH EXTENDS FROM MIRA COSTA COLLEGE NORTH TO JUST SOUTH OF SANTA FE DRIVE ALONG EAST-FACING SLOPE OF LUX CANYON. EXTENDS INTO SECTION 26 NE1/4. THIS LOCATION IS HOGAN'S #9.						
Ecological:	MEDIUM HEIGHT DENSE CHAPARRAL WITH FEW OPENINGS. SHRUB LAYER DOMINATED (APPROX. 50-70%) BY ADENOSTOMA FASCICULATUM SSP. OBTUSIFOLIUM. ASSOCIATED SPECIES INCLUDE CNEORIDIUM DUMOSUM (0-25%), RHUS INTEGRIFOLIA (0-12%), AND YUCCA SP.						
General:	ADJACENT VEGETATION IS COASTAL SAGE SCRUB. ADJACENT LANDS DEVELOPED. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	10	Map Index:	27869	EO Index:	9523	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-03-11
Quad Summary:	Del Mar (3211782), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00277 / -117.26186			Accuracy:	specific area		
UTM:	Zone-11 N3651624 E475538			Elevation (ft):	200		
PLSS:	T13S, R04W, Sec. 35 (S)			Acres:	72.6		
Location:	JUST WEST OF SAN DIEGO FREEWAY (I-5) AND JUST SOUTH OF SAN ELIJO LAGOON.						
Detailed Location:	ONE LARGE AND THREE SMALLER POLYGONS MAPPED AT CNDDDB. THIS LOCATION IS HOGAN'S #14.						
Ecological:	OCCURRENCE FOUND ON TERRACE ESCARPMENTS, CARLSBAD-URBAN LAND COMPLEX AND CORRALITOS SOIL SERIES. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	11	Map Index:	27866	EO Index:	17604	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-08-28
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07043 / -117.26120			Accuracy:	specific area		
UTM:	Zone-11 N3659125 E475619			Elevation (ft):	200		
PLSS:	T13S, R04W (S)			Acres:	128.8		
Location:	JUST EAST TO 1.1 AIR MILES EAST OF EL CAMINO REAL BLVD. APPROXIMATELY 0.5-2 MILES SOUTH OF SAN MARCOS CREEK CROSSING.						
Detailed Location:	SIX POLYGONS MAPPED AT CNDDDB. SOUTHERN FOUR POLYGONS EXTEND 1.1 MILE EAST OF EL CAMINO REAL BLVD. THIS LOCATION IS THE EAST PORTION OF HOGAN'S #6 AND PART OF #7.						
Ecological:	ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA KNOWN FROM THE SITE. PRIMARILY LOAMY ALLUVIAL LAND-HUERHUERO COMPLEX SOIL WITH SOME CORRALITOS, CARLSBAD, AND ALTAMONT SERIES SOILS. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	12	Map Index:	35001	EO Index:	27564	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03239 / -117.25039				Accuracy:	specific area	
UTM:	Zone-11 N3654905 E476618				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 24 (S)				Acres:	168.5	
Location:	SOUTHWEST OF INTERSECTION OF ENCINITAS BLVD. AND MANCHESTER AVENUE.						
Detailed Location:	THIS LOCATION IS HOGAN'S #8.						
Ecological:	ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA KNOWN FROM THE SITE. PRIMARILY LOAMY ALLUVIAL LAND-HUERHUERO COMPLEX WITH SOME CORRALITOS LOAMY SAND, ALTAMONT CLAY AND LAS FLORES LOAMY FINE SAND. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	13	Map Index:	35002	EO Index:	16982	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-08-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02368 / -117.23283				Accuracy:	specific area	
UTM:	Zone-11 N3653936 E478256				Elevation (ft):	200	
PLSS:	T13S, R03W (S)				Acres:	62.3	
Location:	JUST WEST OF LOS MORROS ROAD AND JUST NORTH OF SAN ELIJO ROAD.						
Detailed Location:	TWO POLYGONS MAPPED AT CNDDB. THIS LOCATION IS HOGAN'S #10.						
Ecological:	PRIMARILY LOAMY ALLUVIAL LAND-HUERHUERO COMPLEX AND OLIVENHAIN COBBLY LOAM. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	14	Map Index:	35003	EO Index:	16804	Element Last Seen:	1993-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-08-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01403 / -117.22160				Accuracy:	specific area	
UTM:	Zone-11 N3652864 E479302				Elevation (ft):	200	
PLSS:	T13S, R03W (S)				Acres:	258.9	
Location:	WEST OF RANCHO SANTA FE, APPROX. 0.6-3.2 AIR MILES SW OF INTERSECTION OF PASEO DELICIAS AND VIA DE LA VALLE ROADS.						
Detailed Location:	EIGHT PATCHES MAPPED AT CNDDDB. THIS OCCURRENCE INCLUDES HOGAN'S #11, 12, & 13.						
Ecological:	ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA KNOWN FROM THE SITE. PRIMARILY LOAMY ALLUVIAL LAND-HUERHUERO COMPLEX. FIELD CHECK NEEDED FOR SPECIES COMPOSITION.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	15	Map Index:	27873	EO Index:	17300	Element Last Seen:	1993-05-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-05-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99804 / -117.23247				Accuracy:	specific area	
UTM:	Zone-11 N3651093 E478283				Elevation (ft):	280	
PLSS:	T13S, R03W, Sec. 31 (S)				Acres:	55.2	
Location:	SAN DIEGUITO COUNTY PARK, 1.2-1.5 AIR MILES EAST OF I-5, PRIMARILY NORTH OF SKYLINE DRIVE.						
Detailed Location:	HOGAN'S DIRECTIONS SPECIFY 1 MILE EAST OF I-5 ON LOMAS SANTA FE IN SOLANA BEACH. THIS LOCATION IS HOGAN'S #15.						
Ecological:	FAIRLY OPEN TO DENSE CHAPARRAL DOMINATED (20-60%) BY ADENOSTOMA FASCICULATUM SSP. OBTUSIFOLIUM. ASSOCIATED SPECIES INCLUDE CEANOTHUS VERRUCOSUS, CNEORIDIUM DUMOSUM, ERIOGONUM FASCICULATUM, AND AGROSTIS SANDIEGENSIS.						
General:	ADJACENT VEGETATION TYPES ARE COASTAL SAGE SCRUB AND SCRUB OAK CHAPARRAL. ADJACENT AREAS DEVELOPED. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	26	Map Index:	27867	EO Index:	29157	Element Last Seen:	1995-06-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-06-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04492 / -117.26558			Accuracy:	specific area		
UTM:	Zone-11 N3656298 E475203			Elevation (ft):	350		
PLSS:	T13S, R04W, Sec. 14 (S)			Acres:	11.1		
Location:	OAK CREST PARK, SOUTH OF ENCINITAS BLVD. AND 0.1 MILE EAST OF BALOUR STREET.						
Detailed Location:	THIS LOCATION IS IDENTIFIED ON HOGAN'S MAPS AS A POLYGON JUST SOUTH OF HIS #6.						
Ecological:	PARTIALLY CLOSED CHAPARRAL DOMINATED BY SALVIA MELLIFERA IN 2 TRANSECTS (42% AND 24%) AND MIMULUS SP. IN ONE TRANSECT (18%). ASSOCIATED SPECIES INCLUDE ADENOSTOMA FASCICULATUM, CEANOTHUS VERRUCOSUS, ARCTOSTAPHYLOS GLANDULOSA, AND YUCCA.						
General:	SITE IS SURROUNDED BY URBAN DEVELOPMENT. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	CITY OF ENCINITAS						

San Diego Mesa Hardpan Vernal Pool				Element Code: CTT44321CA			
San Diego Mesa Hardpan Vernal Pool							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G2
	State:	None				State:	S2.1
	Other:						
Habitat:	General:	☐					
	Micro:	☐					

Occurrence No.	24	Map Index:	03337	EO Index:	16197	Element Last Seen:	1987-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1987-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	1998-07-16
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.23963 / -117.36456				Accuracy:	specific area	
UTM:	Zone-11 N3677912 E466036				Elevation (ft):	280	
PLSS:	T11S, R05W, Sec. 12 (S)				Acres:	100.1	
Location:	CAMP PENDLETON; WIRE MOUNTAIN AREA APPROX 2.5 AIR MILES EAST OF SANTA MARGARITA RIVER MOUTH.						
Detailed Location:	APPROX 30 POOLS SCATTERED ALONG THE LESS DISTURBED EDGES OF THE MESA.						
Ecological:	OLIVENHAIN SOILS. SURROUNDING EITHER COASTAL SAGE SCRUB OR ANNUAL GRASSLAND. ERYNGIUM ARISTULATUM VAR. PARISHII OBS ONLY IN 1 POOL (11H). COND OF POOL VARIES, SOME POOLS GRADED FOR CONST, SOME POOLS RELATIVELY UNDISTURBED.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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San Diego Mesa Claypan Vernal Pool

Element Code: CTT44322CA

San Diego Mesa Claypan Vernal Pool

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2.1

Other:

Habitat: **General:** ☐

Micro: ☐

Occurrence No. 19 **Map Index:** 03768 **EO Index:** 16179 **Element Last Seen:** 1983-04-08

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1983-04-08

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1997-04-14

Quad Summary: San Marcos (3311722)

County Summary: San Diego

Lat/Long: 33.13727 / -117.19540 **Accuracy:** specific area

UTM: Zone-11 N3666522 E481775 **Elevation (ft):** 520

PLSS: T12S, R03W, Sec. 16 (S) **Acres:** 74.8

Location: ABOUT 2 MILES WSW OF CITY OF SAN MARCOS, BEAUCHAMP POOL #S L1-10.

Detailed Location: MANY POOLS IN SOUTH & EAST OF BOUNDED AREA DESTROYED BY INDUSTRIAL DEVEL, ARMSTRONG, 1983.

Ecological: LAS FLORAS/PLACENTIA SOILS. ASSOC W/DISTURBED GRASSLAND. UNIQUE ASSOC OF BRODIAEA ORCUTTII, B. FILIFOLIA, B. JOLONENSIS.

General: SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VEGCAMP/NATURAL-COMMUNITIES) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN



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Southern Coastal Salt Marsh					Element Code: CTT52120CA	
Southern Coastal Salt Marsh						
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2	
	State:	None		State:	S2.1	
	Other:					
Habitat:	General:	☐				
	Micro:	☐				
Occurrence No.	4	Map Index: 03567	EO Index:	14292	Element Last Seen:	1977-04-XX
Occ. Rank:	Unknown		Presence:	Presumed Extant	Site Last Seen:	1977-04-XX
Occ. Type:	Natural/Native occurrence		Trend:	Unknown	Record Last Updated:	1998-07-20
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)					
County Summary:	San Diego					
Lat/Long:	33.01150 / -117.26148			Accuracy:	non-specific area	
UTM:	Zone-11 N3652592 E475576			Elevation (ft):		
PLSS:	T13S, R04W, Sec. 26, SW (S)			Acres:	599.0	
Location:	SAN ELIJO LAGOON, SOUTH OF CARDIFF-BY-THE-SEA.					
Detailed Location:	ABOUT 200 ACRES.					
Ecological:	GRADES INTO FRESHWATER MARSH. RECEIVES SECONDARY EFFLUENT VIA ESCONDIDO CREEK, 1977. MOUTH PERIODICALLY OPEN. EFFLUENT AUGMENTS DISTURBED NATURAL STREAM FLOW. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.					
General:	UPPER LAGOON MANAGED AS WILDLIFE REFUGE. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.					
Owner/Manager:	DFG, PVT, SDG COUNTY					
Occurrence No.	7	Map Index: 03445	EO Index:	26177	Element Last Seen:	1976-06-XX
Occ. Rank:	Unknown		Presence:	Presumed Extant	Site Last Seen:	1976-06-XX
Occ. Type:	Natural/Native occurrence		Trend:	Decreasing	Record Last Updated:	1998-07-27
Quad Summary:	San Luis Rey (3311723)					
County Summary:	San Diego					
Lat/Long:	33.14086 / -117.31542			Accuracy:	non-specific area	
UTM:	Zone-11 N3666947 E470581			Elevation (ft):	1	
PLSS:	T12S, R04W, Sec. 08 (S)			Acres:	76.3	
Location:	AGUA HEDIONDA, EAST END OF LAGOON WHERE IT IS JOINED BY AGUA HEDIONDA CREEK.					
Detailed Location:	ABOUT 16 TOTAL MARSH ACRES INCLUDES REMNANT & FRINGING MARSHES.					
Ecological:	SALICORNIA VIRGINICA & S. SUBTERMINALIS ARE CO-DOMINANT.					
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.					
Owner/Manager:	DFG-AGUA HEDIONDA LAGOON ER					
Southern Riparian Forest					Element Code: CTT61300CA	
Southern Riparian Forest						
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G4	
	State:	None		State:	S4	
	Other:					
Habitat:	General:	☐				



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Micro: ☐							
Occurrence No.	1	Map Index:	04261	EO Index:	13418	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.10088 / -117.04809			Accuracy:	specific area		
UTM:	Zone-11 N3662471 E495512			Elevation (ft):	520		
PLSS:	T12S, R02W, Sec. 25 (S)			Acres:	126.4		
Location:	EAST OF BEAR VALLEY ROAD, MOSTLY SOUTH OF SAN PASQUAL VALLEY ROAD, ESCONDIDO VICINITY.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL BY NWI. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						
Occurrence No.	2	Map Index:	03790	EO Index:	16049	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06076 / -117.17895			Accuracy:	specific area		
UTM:	Zone-11 N3658037 E483294			Elevation (ft):			
PLSS:	T13S, R03W, Sec. 10 (S)			Acres:	280.1		
Location:	ESCONDIDO CREEK FROM ELFIN FOREST D/S TO LAKE VAL SERENO.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL BY NWI. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFCATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	3	Map Index:	03619	EO Index:	16048	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24224 / -117.24356				Accuracy:	specific area	
UTM:	Zone-11 N3678168 E477309				Elevation (ft):	300	
PLSS:	T11S, R03W, Sec. 06, SW (S)				Acres:	86.7	
Location:	CREEK ABOVE GUAJOME LAKE, OCEANSIDE.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS. AREA ON EACH SIDE OF OSBORNE STREET WAS NOT VEGETATED IN 1986, IS INCLUDED HERE BECAUSE FORESTED U/S & D/S.						
Ecological:	MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL BY NWI. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	4	Map Index:	03796	EO Index:	16047	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.23312 / -117.18375				Accuracy:	specific area	
UTM:	Zone-11 N3677146 E482880				Elevation (ft):	560	
PLSS:	T11S, R03W, Sec. 10 (S)				Acres:	108.0	
Location:	SOUTH FORK GOPHER CANYON, FROM VICINITY OF 2ND SAN DIEGO AQUEDUCT D/S FOR ABOUT 1.5 MILES.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS. COMMUNITY CONTINUES D/S BUT IS SEPARATED FROM THIS STAND BY ABOUT 1/2 MILE WHICH IS NOT VEGETATED.						
Ecological:	MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL BY NWI. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	5	Map Index:	03960	EO Index:	16046	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.21746 / -117.13789				Accuracy:	specific area	
UTM:	Zone-11 N3675403 E487150				Elevation (ft):	640	
PLSS:	T11S, R02W, Sec. 18, SW (S)				Acres:	85.1	
Location:	SOUTH FORK MOOSA CANYON, EAST SIDE MERRIAM MOUNTAINS, SOUTH OF GOLF COURSE.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL BY NWI. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	6	Map Index:	03524	EO Index:	16045	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17448 / -117.27677				Accuracy:	specific area	
UTM:	Zone-11 N3670664 E474196				Elevation (ft):	240	
PLSS:	T11S, R04W, Sec. 35 (S)				Acres:	72.4	
Location:	CREEK EAST OF CALAVERAS LAKE, WNW OF SAN FRANCISCO PEAK, EAST OF CARLSBAD.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL BY NWI. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	7	Map Index:	03378	EO Index:	16043	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX	Record Last Updated:	1998-07-23
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22301 / -117.34410			Accuracy:	specific area		
UTM:	Zone-11 N3676063 E467936			Elevation (ft):	10		
PLSS:	T11S, R04W, Sec. 18 (S)			Acres:	261.2		
Location:	SAN LUIS REY RIVER, FROM JUST SOUTH OF CAPISTRANO PARK U/S TO ABOUT 1/2 MILE SOUTH OF WHELAN LAKE.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	UPPER AND LOWER REACHES MAPPED AS PALUSTRINE, FORESTED, SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL WHEREAS MIDDLE REACH (N OF AIRPORT) MAPPED AS PALUSTRINE SHRUB/SCRUB W/SAME MOISTURE REGIME. VEGETATION COMPOSITION UNKNOWN.						
General:	UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Southern Coast Live Oak Riparian Forest

Element Code: CTT61310CA

Southern Coast Live Oak Riparian Forest

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G4

State: None

State: S4

Other:

Habitat: General: ☐

Micro: ☐

Occurrence No. 1 Map Index: 04179 EO Index: 16030 Element Last Seen: 1987-04-15

Occ. Rank: Fair Presence: Presumed Extant Site Last Seen: 1987-04-15

Occ. Type: Natural/Native occurrence Trend: Unknown Record Last Updated: 1998-08-02

Quad Summary: Escondido (3311711)

County Summary: San Diego

Lat/Long: 33.06810 / -117.08254 Accuracy: specific area

UTM: Zone-11 N3658839 E492295 Elevation (ft): 420

PLSS: T13S, R02W, Sec. 03 (S) Acres: 48.9

Location: FELICITA CREEK CANYON BETWEEN LAKE HODGES & RANCHO FELICITA ROAD.

Detailed Location:

Ecological: DENSE, CLOSED CANOPY Q. AGRIFOLIA FOREST W/THIN STRIP SENESCENT PLATANUS RACEMOSA ALONG STREAM. DENSE POISON OAK DOM UNDERSTORY. LIGHT GAPS W/SALIX GOODDINGII, BACCHARIS GLUTINOSA. PALUSTRINE, FORESTED, SATURATED/SEMIPerm/SEASONAL PER NWI.

General: SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Occurrence No. 2 Map Index: 04318 EO Index: 16029 Element Last Seen: 1987-04-16

Occ. Rank: Good Presence: Presumed Extant Site Last Seen: 1987-04-16

Occ. Type: Natural/Native occurrence Trend: Unknown Record Last Updated: 1998-08-02

Quad Summary: San Pasqual (3311618), Escondido (3311711)

County Summary: San Diego

Lat/Long: 33.02960 / -117.02421 Accuracy: specific area

UTM: Zone-11 N3654568 E497739 Elevation (ft): 440

PLSS: T13S, R01W, Sec. 19 (S) Acres: 338.6

Location: UNNAMED CREEKS ALONG OLD COACH ROAD JUST EAST OF GREEN VALLEY.

Detailed Location:

Ecological: CLOSED CANOPY Q. AGRIFOLIA FOREST W/STRINGER OF PLATANUS RACEMOSA ALONG IMMEDIATE STREAM CHANNEL; LIGHTGAPS W/POPULUS FREMONTII, SALIX GOODDINGII, S. LASIOLEPIS. TOXICODENDRON DENSE IN SHADE. PALUSTR, FOREST, INTERMIT FLOODED/TEMP PER NWI.

General: SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Southern Cottonwood Willow Riparian Forest

Element Code: CTT61330CA

Southern Cottonwood Willow Riparian Forest

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G3

State: None

State: S3.2

Other:

Habitat: General: ☐



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Micro: ☐				
Occurrence No.	1	Map Index: 03945	EO Index: 15844	Element Last Seen: 1987-04-16
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1987-04-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1998-07-20
Quad Summary:	Rancho Santa Fe (3311712)			
County Summary:	San Diego			
Lat/Long:	33.08927 / -117.13763		Accuracy:	specific area
UTM:	Zone-11 N3661192 E487156		Elevation (ft):	
PLSS:	T12S, R02W, Sec. 31, S (S)		Acres:	136.7
Location:	ESCONDIDO CREEK THROUGH SAN ELIJO CANYON, SE OF MT WHITNEY.			
Detailed Location:	SURROUNDED BY MIXED CHAPARRAL.			
Ecological:	SYCAMORE, WILLOWS & COTTONWOODS ALONG STREAM, COAST LIVE OAK BACK FROM STREAM (ON ALLUVIUM EXTENDING TO BASE OF SURROUNDING SLOPES). TYPED AS PALUSTRINE, FORESTED/SEMIPERMANENT/SEASONAL BY USFWS NATIONAL WETLANDS SURVEY.			
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.			
Owner/Manager:	UNKNOWN			
Occurrence No.	2	Map Index: 04026	EO Index: 15842	Element Last Seen: 1987-04-16
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 1987-04-16
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated: 1998-07-20
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)			
County Summary:	San Diego			
Lat/Long:	33.10411 / -117.12152		Accuracy:	specific area
UTM:	Zone-11 N3662835 E488661		Elevation (ft):	600
PLSS:	T12S, R02W, Sec. 30, E (S)		Acres:	100.3
Location:	ESCONDIDO CREEK FROM HARMONY GROVE ROAD (IN ESCONDIDO) D/S TO NEAR HARMONY GROVE.			
Detailed Location:				
Ecological:	TYPED AS PALUSTRINE, FORESTED/SEMIPERMANENT/SEASONAL BY USFWS NATIONAL WETLANDS SURVEY. VEG IS SALIX GOODDINGII & S. LASIOLEPIS BENEATH EUCALYPTUS GLOBULUS. ABUNDANT TOXICODENDRON & ARUNDO.			
General:	OCC RANK D BECAUSE OF INTRODUCED SPP. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.			
Owner/Manager:	UNKNOWN			



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Occurrence No.	3	Map Index:	04147	EO Index:	15843	Element Last Seen:	1987-04-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1987-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-20
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06290 / -117.09880				Accuracy:	specific area	
UTM:	Zone-11 N3658264 E490777				Elevation (ft):	275	
PLSS:	T13S, R02W, Sec. 09 (S)				Acres:	1097.4	
Location:	SHORES OF LAKE HODGES FROM D/S OF DEL DIOS U/S PAST HWY 395.						
Detailed Location:							
Ecological:	YOUNG THICKETS OF SALIX GOODINGII & POPULUS FREMONTII AROUND SHORELINE OF UPPER LAKE. COPSE EXTENDS ACROSS ALLUVIUM TO MOUTHS OF DEL DIOS & FELICITA CR; MAY REFLECT SUMMER URBAN RUNOFF PER HOLLAND, 1987.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	25	Map Index:	03668	EO Index:	15824	Element Last Seen:	1986-04-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-04-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-20
Quad Summary:	San Luis Rey (3311723), Bonsall (3311732), Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28864 / -117.22241				Accuracy:	specific area	
UTM:	Zone-11 N3683308 E479291				Elevation (ft):	140	
PLSS:	T10S, R03W, Sec. 20 (S)				Acres:	1043.0	
Location:	SAN LUIS REY RIVER FROM I-15 (NEAR COUSER CANYON ROAD) D/S TO NEAR LAKE WHELAN.						
Detailed Location:							
Ecological:	COTTONWOOD-WILLOW FOREST W/MUCH BACCHARIS GLUTINOSA IN UNDERSTORY. ON RIVERWASH AND TUJUNGA LOAM. USFWS NATL WETLANDS INVENTORY MAPPED AS SHRUB/SCRUB PALUSTRINE, EMERGENT WETLAND, OR RIVERINE STREAMBED, SATURATED/SEMIPERMANENT/SEASONAL.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Southern Sycamore Alder Riparian Woodland

Element Code: CTT62400CA

Southern Sycamore Alder Riparian Woodland

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G4

State: None

State: S4

Other:

Habitat: General: ☐

Micro: ☐

Occurrence No. 4 Map Index: 03546 EO Index: 15546 Element Last Seen: 1987-04-16

Occ. Rank: Unknown Presence: Presumed Extant Site Last Seen: 1987-04-16

Occ. Type: Natural/Native occurrence Trend: Unknown Record Last Updated: 1998-07-22

Quad Summary: San Marcos (3311722), San Luis Rey (3311723)

County Summary: San Diego

Lat/Long: 33.14839 / -117.25309 Accuracy: specific area

UTM: Zone-11 N3667766 E476397 Elevation (ft): 160

PLSS: T12S, R04W, Sec. 12 (S) Acres: 232.0

Location: LOS MONOS CANYON-AGUA HEDIONDA CREEK FROM GREEN OAKS RANCH D/S TO SANTO ROSA COUNTRY CLUB.

Detailed Location:

Ecological: PLATANUS RACEMOSA, SALIX LASIOLEPIS W/ A FEW SCATTERED POPULUS FREMONTII. MAPPED AS PALUSTRINE, FORESTED/SCRUB-SHRUB, SATURATED/SEMIPERMANENT/SEASONAL WETLAND BY USFWS NATIONAL WETLANDS INVENTORY.

General: SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UCNR-DAWSON LOS MONOS CYN

Southern Riparian Scrub

Element Code: CTT63300CA

Southern Riparian Scrub

Listing Status: Federal: None

CNDDDB Element Ranks: Global: G3

State: None

State: S3.2

Other:

Habitat: General: ☐

Micro: ☐



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Occurrence No.	1	Map Index:	03891	EO Index:	13371	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02800 / -117.16529				Accuracy:	specific area	
UTM:	Zone-11 N3654403 E484564				Elevation (ft):	160	
PLSS:	T13S, R03W, Sec. 23 (S)				Acres:	361.2	
Location:	SAN DIEGUITO RIVER BELOW LAKE HODGES, LUSARDI CREEK JUST U/S OF CONFLUENCE W/ SAN DIEGUITO ROAD.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOGRAPHS. A 1/4 MILE GAP IN THE COVER WAS SEEN IN SECTION 22 WHERE A ROAD CROSSES THE RIVER.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB, SATURATED/SEMI-PERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	2	Map Index:	03667	EO Index:	13370	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03570 / -117.23458				Accuracy:	specific area	
UTM:	Zone-11 N3655269 E478095				Elevation (ft):	40	
PLSS:	T13S, R03W, Sec. 19 (S)				Acres:	260.1	
Location:	ESCONDIDO CREEK U/S FROM SAN ELIJO LAGOON TO LAKE VAL SERENO.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB, EMERGENT, SATURATED/SEMI-PERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	3	Map Index:	03705	EO Index:	15336	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.21054 / -117.22403				Accuracy:	specific area	
UTM:	Zone-11 N3674650 E479121				Elevation (ft):	460	
PLSS:	T11S, R03W, Sec. 20, NW (S)				Acres:	77.3	
Location:	EAST FORK OF BUENA VISTA CREEK, EAST OF VISTA WAY BETWEEN FOOTHILL & VISTA DRIVES.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	4	Map Index:	03767	EO Index:	15335	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.18744 / -117.19499				Accuracy:	specific area	
UTM:	Zone-11 N3672083 E481823				Elevation (ft):	560	
PLSS:	T11S, R03W, Sec. 28, SE (S)				Acres:	60.3	
Location:	BUENA CREEK, ABOUT 0.8 MILE U/S OF MISSION ROAD.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB OVER EMERGENT, SATURATED/SEMIPERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	5	Map Index:	03887	EO Index:	13369	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1998-07-23		
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.19325 / -117.15628			Accuracy:	specific area		
UTM:	Zone-11 N3672721 E485432			Elevation (ft):	760		
PLSS:	T11S, R03W, Sec. 25, W (S)			Acres:	56.0		
Location:	SMALL STREAM BETWEEN DEER SPRINGS & TWIN OAKS VALLEY ROADS, TWIN OAKS.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	6	Map Index:	03450	EO Index:	15334	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1998-07-23		
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17882 / -117.31431			Accuracy:	specific area		
UTM:	Zone-11 N3671155 E470697			Elevation (ft):	40		
PLSS:	T11S, R04W, Sec. 32 (S)			Acres:	36.2		
Location:	BUENA VISTA CREEK ABOUT 0.3 TO 1.3 MILES EAST OF EL CAMINO REAL, NE OF CARLSBAD.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	7	Map Index:	03522	EO Index:	15333	Element Last Seen:	1986-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18984 / -117.27199				Accuracy:	specific area	
UTM:	Zone-11 N3672365 E474646				Elevation (ft):	220	
PLSS:	T11S, R04W, Sec. 26 (S)				Acres:	66.4	
Location:	BUENA VISTA CREEK, JUST EAST OF SUNSET DRIVE, EXTENDING EAST FOR ABOUT 1 MILE.						
Detailed Location:	BOUNDARY REPRESENTS EXTENT AS INTERPRETED FROM 1986 AERIAL PHOTOS.						
Ecological:	MAPPED BY NWI AS PALUSTRINE SCRUB/SHRUB, SATURATED/SEMIPERMANENT/SEASONAL. VEGETATION COMPOSITION UNKNOWN. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Southern Willow Scrub

Element Code: CTT63320CA

Southern Willow Scrub

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3

State: None

State: S2.1

Other:

Habitat: **General:** ☐

Micro: ☐

Occurrence No.	1	Map Index:	03650	EO Index:	15289	Element Last Seen:	1987-04-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1987-04-16	Record Last Updated:	1998-07-21
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09552 / -117.23361				Accuracy:	specific area	
UTM:	Zone-11 N3661900 E478200				Elevation (ft):	200	
PLSS:	T12S, R03W, Sec. 30, N (S)				Acres:	118.9	
Location:	SAN MARCOS CREEK, ABOUT 1/4 MILE D/S OF RANCHO SANTA FE ROAD TO 1 MILE U/S OF BATIQUITOS LAGOON.						
Detailed Location:	ABOUT 2 STREAM MILES IN LENGTH.						
Ecological:	COMPLEX VEG W/SALIX LASIOLEPIS & S. GOODDINGII ALTERNATING ALONG FLOWING REACHES & SCIRPUS AROUND CALM POOLS. MAPPED AS RIVERINE, UPPER PERENNIAL, OPEN WATER, INTERMITTENTLY EXPOSED/PERMANENT BY USFWS NATIONAL WETLANDS INVENTORY.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	UNKNOWN						

Branchinecta sandiegonensis

Element Code: ICBRA03060

San Diego fairy shrimp

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G2

State: None

State: S1

Other: IUCN_EN-Endangered

Habitat: **General:** ENDEMIC TO SAN DIEGO AND ORANGE COUNTY MESAS.



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Micro: VERNAL POOLS.							
Occurrence No.	58	Map Index:	57811	EO Index:	57827	Element Last Seen:	2011-03-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-03-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-10
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13931 / -117.19688			Accuracy:	specific area		
UTM:	Zone-11 N3666748 E481636			Elevation (ft):	530		
PLSS:	T12S, R03W, Sec. 09 (S)			Acres:	39.0		
Location:	"UPHAM" AND "UNIVERSAL BOOT" SITES, ON W SIDE OF S LAS POSAS ROAD BETWEEN LA MIRADA DR & W SAN MARCOS BLVD, SAN MARCOS.						
Detailed Location:	N OF LINDA VISTA: "UPHAM"/L1-6 FROM BAUDER (1986); 35 POOLS SURVEYED 2002. S OF LINDA VISTA: "UNIV. BOOT"/L7-10; E POLYGON IS POOL "JS_FS_4" SURVEYED 2005; W IS "JS_FS_3" ('05)"/"SM7" OF 8 POOLS IN 2008/"BASIN 6" OF MORE THAN 6 IN 2010-11.						
Ecological:	N: SINCE 2002, E-MOST PORTION OF VERNAL POOL COMPLEX HAS BEEN DEVELOPED. SE: 2.5 X 2.5 M POOL 10 CM DEEP, ON E SIDE OF CHANNELIZED STREAM IN LIGHT-INDUSTRIAL. SW: 12 X 19 M POOL ABOUT 12.5 CM DEEP, RELATIVELY UNDISTURBED W/INDICATOR PLANTS.						
General:	N: FROM 1 TO 10,000 FOUND IN EACH OF 6 OF 35 POOLS SURVEYED 14 MAR 2001; DETECTED IN 2005. SE: 1 COLLECTED JAN 2005, SENT TO CAS. SW: 100S PRESENT 26 JAN 2005 & 12 FEB 2008, VOUCHERS TAKEN. PRESENT IN LOW 100S ON 5 MAR 2011.						
Owner/Manager:	PVT, CITY OF SAN MARCOS						
Occurrence No.	67	Map Index:	92103	EO Index:	79621	Element Last Seen:	2010-03-03
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2010-03-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-28
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10412 / -117.31673			Accuracy:	specific area		
UTM:	Zone-11 N3662875 E470446			Elevation (ft):	50		
PLSS:	T12S, R04W, Sec. 29 (S)			Acres:	42.0		
Location:	ALONG RAILROAD TRACKS 0.2 MILE FROM COAST, FROM 0.6 MILE N TO 0.2 MILE S OF THE POINSETTIA LANE OVERPASS, CARLSBAD.						
Detailed Location:	POOLS IN RAILROAD RIGHT-OF-WAY. DETECTED IN ALL 7 OF THE PONDED AREAS SURVEYED IN 2010. NORTH POLYGON: VERNAL POOLS A, B, C, D, E/F, & SEASONAL POND #1. SOUTH POLYGON: SEASONAL PONDS #2 AND 3.						
Ecological:	PRIMARILY UNVEGETATED, OTHERWISE WEEDY/ORNAMENTAL, RAILROAD RIGHT-OF-WAY ADJACENT TO RAILROAD BALLAST. SAN DIEGO BUTTON CELERY PRESENT. POOLS MAINLY DISTURBED, PARALLELLING RAILWAY; FROM 15 X 3 M TO 240 X 12 M IN AREA, 6 TO 40 CM DEPTH.						
General:	PROTOCOL SURVEYS CONDUCTED 1 FEB-3 MAR 2010. ESTIMATED ABUNDANCE 100 IN E/F 200 IN POOL #1; 2,000 IN #2; 1,000 IN #3 AND D; 100,000 IN A & B; AND 10,000 IN C ON 10 FEB 2010; INCLUDING REPRODUCTIVE MALES AND FEMALES; VOUCHERS SENT TO LACM.						
Owner/Manager:	NORTH COUNTY TRANSIT DISTRICT						



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Occurrence No.	68	Map Index:	78741	EO Index:	79682	Element Last Seen:	2012-03-28
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2012-03-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-28
Quad Summary:	Encinitas (3311713), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.12327 / -117.32658			Accuracy:	specific area		
UTM:	Zone-11 N3665001 E469534			Elevation (ft):	40		
PLSS:	T12S, R04W, Sec. 20 (S)			Acres:	27.0		
Location:	SOUTH CARLSBAD STATE BEACH, WEST SIDE OF RAILROAD TRACKS, JUST NORTH OF PALOMAR AIRPORT RD OVERCROSSING, CARLBAD.						
Detailed Location:	FROM N TO S: 2010 DETECTION AT POND #10; 2005 DETECTION AT POOL "JS_FS_1;" 2012 DETECTION AT BASIN #13; 2010'S PONDS #9, 4, 3, & 2; 2005 DETECTION AT "JS_FS_2"/2010'S POND #1.						
Ecological:	VERNAL POOLS IN NONNATIVE GRASSLAND. 2005: N POOL 10 X 5 M, 15 CM DEEP; S POOL 10 X 10 M, 15-22 CM DEEP. 2010: MAX AREA 10 X 3 M (POOL #1) TO 30 X 5 M (#10); DEPTH 5 CM (#2) TO 30 CM (#10). COMMERCIAL DEVELOPMENT EAST OF RR TRACKS.						
General:	EST ABUNDANCE1000 IN N POND, 300 IN S POND, 10 JAN 2005. FOUND IN 6 OF 12 POOLS SURVEYED 1 FEB 2010; EST ABUNDANCE 100 IN POOL #9, 200 IN #1, 2, & 3; 6K IN #4; 100K IN #10; VOUCHERS SENT TO LACM. 100S FOUND IN 1 OF 28 BASINS, 2011/12.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						

Occurrence No.	70	Map Index:	92097	EO Index:	93184	Element Last Seen:	2010-11-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-11-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-01
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31061 / -117.35672			Accuracy:	specific area		
UTM:	Zone-11 N3685779 E466793			Elevation (ft):	70		
PLSS:	T10S, R05W, Sec. 13, N (S)			Acres:	16.0		
Location:	CAMP PENDLETON MCB, ALONG STAGECOACH RD FROM 0.3 TO 0.6 MILE SW OF THE BASILONE RD JUNCTION, NORTH OF THE AIRPORT.						
Detailed Location:	MAPPED TO LOCATION OF "POND 2851" FROM 2013 ARTICLE AND POINTS FROM CAMP PENDLETON SHAPEFILE.						
Ecological:	POND 2851 WAS A TURBID ROAD POOL DEVOID OF VEGETATION. GENETIC STUDY PUBLISHED IN 2013 FOUND THAT SAN DIEGO FAIRY SHRIMP HERE WERE HYBRIDS (WITH LINDAHL'S FAIRY SHRIMP).						
General:	DETECTED IN 2 POOLS ON UNKNOWN DATE(S). DETECTED IN 1 POOL IN 2008-2009 (DATA NOT CLEAR). 10 OR FEWER COLLECTED IN NOV 2010 FOR GENETIC ANALYSIS.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	71	Map Index:	92111	EO Index:	93202	Element Last Seen:	2007-07-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-07-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01973 / -117.17100				Accuracy:	80 meters	
UTM:	Zone-11 N3653488 E484028				Elevation (ft):	290	
PLSS:	T13S, R03W, Sec. 27, NE (S)				Acres:	0.0	
Location:	NORTH SIDE OF ARTESIAN ROAD, ABOUT 0.5 MILE WNW OF ITS INTERSECTION WITH RIO VISTA ROAD, SAN DIEGO.						
Detailed Location:	MAPPED TO LOCATION GIVEN FOR BASIN #12, ONE OF FIFTEEN BASINS SURVEYED IN 2007.						
Ecological:	16.2 ACRE SITE SLATED FOR DEVELOPMENT. GENERALLY UNDISTURBED, SUPPORTING COASTAL SAGE SCRUB WITH SCATTERED PATCHES OF NON-NATIVE GRASSLAND.						
General:	CYSTS FOUND IN SOIL FROM BASIN #12, 1 OF 15 BASINS SAMPLED ON 9 JUL 2007. SAN DIEGO FAIRY SHRIMP WERE CULTURED FROM THE CYSTS.						
Owner/Manager:	PVT						

Occurrence No.	87	Map Index:	92223	EO Index:	93321	Element Last Seen:	1998-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03760 / -117.15382				Accuracy:	specific area	
UTM:	Zone-11 N3655466 E485636				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 14, SE (S)				Acres:	15.0	
Location:	"SANTA FE VALLEY" SITE, FROM ABOUT 0.1 TO 0.2 MILE NORTH OF BING CROSBY BLVD AT HIGH SOCIETY WAY, SAN DIEGO.						
Detailed Location:	MAPPED TO OCCUPIED BASINS.						
Ecological:	28 BASINS ON 686-ACRE SITE; DISTURBED AND UNDISTURBED OPEN SPACE, AGRICULTURE, GRAZING, MINOR REISIDENTIAL DEVELOPMENT AND UNPAVED ROADS & TRAILS. LISTED AS "PARTIALLY DEVELOPED AND REMAINDER CONSERVED, RESTORED" IN FWS 5-YEAR REVIEW (2008).						
General:	WET-SEASON SURVEYS CONDUCTED IN 1997/98; B. SANDIEGONENSIS DETECTED IN 8 OF 28 POOLS SAMPLED.						
Owner/Manager:	PVT-SDG&E						



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Occurrence No.	113	Map Index:	92375	EO Index:	93487	Element Last Seen:	2011-01-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-01-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-01
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22381 / -117.37632			Accuracy:	specific area		
UTM:	Zone-11 N3676162 E464934			Elevation (ft):	200		
PLSS:	T11S, R05W, Sec. 14 (S)			Acres:	59.0		
Location:	WIRE MOUNTAIN VP RESTORATION SITE, CAMP PENDLETON MARINE CORPS BASE, SOUTH OF CARNES ROAD ON BOTH SIDES OF WIRE MTN RD.						
Detailed Location:	"POOL GROUP 11" SURVEYED 2003-2004; EXACT DETECTION LOCATIONS UNKNOWN. MAPPED USING MCB CAMP PENDLETON SHAPEFILE (2015).						
Ecological:	2003-2004: 11 CREATED VERNAL POOLS ON RESTORATION SITE; SPADEFOOT TOAD, TREE FROG, AND PREDACEOUS WATER BEETLES ALSO DETECTED. LINDAHL'S FAIRY SHRIMP ALSO DETECTED IN 1 POOL. ADJACENT TO RESIDENTIAL DEVELOPMENT.						
General:	FOUND IN 37 SITES DURING 1997-1998 BASEWIDE INVENTORY. FOUND IN 11 SITES, 2002. FOUND IN 9 OF 11 POOLS ("POOL GROUP 11") ON 24 FEB 2003 TO 7 APR 2004. FOUND AT 12 SITES, 2008-2009 (DATA UNCLEAR). IN 7 SITES, 2010-2011.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	131	Map Index:	92549	EO Index:	93695	Element Last Seen:	2005-01-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-01-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11250 / -117.27070			Accuracy:	80 meters		
UTM:	Zone-11 N3663792 E474744			Elevation (ft):	320		
PLSS:	T12S, R04W, Sec. 23, SW (S)			Acres:	0.0		
Location:	"MANZANITA PARTNERS" SITE, ON THE EAST SIDE OF EL CAMINO REAL ABOUT 0.1 MILE SOUTH OF CASSIA ROAD, CARLSBAD.						
Detailed Location:	MAPPED TO INCLUDE LOCATIONS OF OCCUPIED POOLS B, C, 1, 6, AND 7 FROM 2006 REPORT.						
Ecological:	VERNAL POOL MITIGATION PRESERVE ON 6.8 ACRES OF OPEN SPACE, WITH 7 ENHANCED AND 7 RESTORED VERNAL POOLS.						
General:	DETECTED IN 5 OF 15 POOLS SAMPLED 12 NOV 2004 & 19 JAN 2005.						
Owner/Manager:	PVT						



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Occurrence No.	136	Map Index:	95426	EO Index:	96566	Element Last Seen:	2009-01-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-01-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23714 / -117.37073				Accuracy:	specific area	
UTM:	Zone-11 N3677638 E465460				Elevation (ft):	280	
PLSS:	T11S, R05W, Sec. 11, NE (S)				Acres:	17.0	
Location:	CAMP PENDLETON MCB, ABOUT 0.25 MILE N OF COTTONWOOD ST AT COLUMBINE ST AND 1.1 MILES NE OF VANDEGRIFT BLVD AT ASH RD.						
Detailed Location:	MAPPED TO SHAPEFILE PROVIDED BY CAMP PENDLETON.						
Ecological:	NATURAL POOLS WITH LOW TO MEDIUM DISTURBANCE FROM WEEDS AND TIRE RUTS.						
General:	DETECTED AT 3 SITES DURING 1997-1998 SURVEY. OSTENSIBLY FOUND AGAIN AT SOUTHMOST POOL IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	137	Map Index:	95430	EO Index:	96569	Element Last Seen:	2003-01-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-01-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-11
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28047 / -117.30731				Accuracy:	80 meters	
UTM:	Zone-11 N3682423 E471382				Elevation (ft):	110	
PLSS:	T10S, R04W, Sec. 28, NW (S)				Acres:	0.0	
Location:	ALONG PILGRIM CREEK ABOUT 0.5 MILE WSW OF VANDEGRIFT BLVD AT BIDDLE ST, CAMP PENDLETON MCB.						
Detailed Location:	MAPPED USING CAMP PENDLETON SHAPEFILE (2015).						
Ecological:							
General:	DETECTED IN 2002 AND 2003.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Streptocephalus woottoni</i>				Element Code: ICBRA07010				
Riverside fairy shrimp								
Listing Status:	Federal:	Endangered			CNDDDB Element Ranks:	Global:	G1G2	
	State:	None				State:	S2	
	Other:	IUCN_EN-Endangered						
Habitat:	General:	ENDEMIC TO WESTERN RIVERSIDE, ORANGE, AND SAN DIEGO COUNTIES IN AREAS OF TECTONIC SWALES/EARTH SLUMP BASINS IN GRASSLAND AND COASTAL SAGE SCRUB.						
	Micro:	INHABIT SEASONALLY ASTATIC POOLS FILLED BY WINTER/SPRING RAINS. HATCH IN WARM WATER LATER IN THE SEASON.						



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Occurrence No.	7	Map Index:	39140	EO Index:	34142	Element Last Seen:	2005-04-01
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2010-03-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-03-23
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10360 / -117.31661			Accuracy:	specific area		
UTM:	Zone-11 N3662817 E470457			Elevation (ft):	55		
PLSS:	T12S, R04W, Sec. 29 (S)			Acres:	5.0		
Location:	0.3 MILE W OF I-5 AT POINSETTIA LANE, BETWEEN CARLSBAD BLVD & AVENIDA ENCINAS ON EAST SIDE OF RAILROAD TRACKS, CARLSBAD.						
Detailed Location:	1998: LAND USE IS AGRICULTURE, TO WEST IS DEDICATED OPEN SPACE. 2010: AERIAL PHOTOS SHOW AREA IS SURROUNDED BY DEVELOPMENT. THE ONLY REMAINING HABITAT IS ALONG RR ROW & A CONSERVATION EASEMENT AS MITIGATION FOR THE RR POINSETTIA STATION.						
Ecological:	1998: RUDERAL HABITAT INCL. AFRICAN BRASS BUTTONS, CURLY DOCK, WILD RADISH, BLACK MUSTARD, & NON-NATIVE GRASSES. WESTERN WHIPTAIL, LOGGERHEAD SHRIKE, & CALIFORNIA HORNED LARK ALSO PRESENT. 2005: FOUND IN S-MOST VERNAL POOL OF A COMPLEX.						
General:	1998: 10S TO LOW 100S COLLECTED, ACCESSIONED TO LACM AND CAS (CASIZ #114976). 250 OBSERVED ON 1 APR 2005. ACCESS DENIED IN 2009. NONE FOUND DURING 2010 SURVEYS.						
Owner/Manager:	NORTH COUNTY TRANSIT DISTRICT						

Occurrence No.	78	Map Index:	95474	EO Index:	96610	Element Last Seen:	2009-01-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-01-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-13
Quad Summary:	Morro Hill (3311733), Las Pulgas Canyon (3311734)						
County Summary:	San Diego						
Lat/Long:	33.34563 / -117.37577			Accuracy:	80 meters		
UTM:	Zone-11 N3689668 E465034			Elevation (ft):	470		
PLSS:	T09S, R05W, Sec. 35, S (S)			Acres:	0.0		
Location:	ALISO CANYON, ON NORTH SIDE OF BASILONE RD, ABOUT 0.8 MILE SW OF THE INTERSECTION WITH ROBLAR RD, CAMP PENDLETON MCB.						
Detailed Location:	KILO ONE AREA. MAPPED TO SHAPEFILE PROVIDED BY CAMP PENDLETON.						
Ecological:	BRANCHINECTA LINDAHLI ALSO FOUND.						
General:	DETECTED IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	79	Map Index:	95476	EO Index:	96612	Element Last Seen:	2009-01-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-01-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35092 / -117.36758				Accuracy:	80 meters	
UTM:	Zone-11 N3690251 E465798				Elevation (ft):	500	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	ON NORTH SIDE OF BASILONE RD, ABOUT 0.2 MILE WNW OF THE INTERSECTION WITH ROBLAR RD, CAMP PENDLETON MCB.						
Detailed Location:	KILO ONE AREA, MAPPED TO SHAPEFILE PROVIDED BY CAMP PENDLETON.						
Ecological:	BRANCHINECTA LINDAHLI ALSO FOUND.						
General:	DETECTED IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	80	Map Index:	95478	EO Index:	96613	Element Last Seen:	2009-02-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-02-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32911 / -117.35321				Accuracy:	80 meters	
UTM:	Zone-11 N3687829 E467126				Elevation (ft):	160	
PLSS:	T10S, R05W, Sec. 12, NE (S)				Acres:	0.0	
Location:	ON NE SIDE OF BASILONE RD ABOUT 0.4 MI N OF THE ROBLAR RD INTERSECTION, 1.75 MI W OF O'NEILL LAKE, CAMP PENDLETON MCB.						
Detailed Location:	KILO TWO AREA. MAPPED USING SHAPEFILE PROVIDED BY CAMP PENDLETON.						
Ecological:	VERSATILE FAIRY SHRIMP WERE ALSO FOUND.						
General:	DETECTED IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	81	Map Index:	95480	EO Index:	96615	Element Last Seen:	2012-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31102 / -117.35618				Accuracy:	80 meters	
UTM:	Zone-11 N3685824 E466844				Elevation (ft):	125	
PLSS:	T10S, R05W, Sec. 13, NE (S)				Acres:	0.0	
Location:	CAMP PENDLETON MCB, ON N SIDE OF STAGECOACH RD ABOUT 0.5 MILE SW OF THE BASILONE RD INTERSECTION.						
Detailed Location:	IN KILO ONE AREA. MAPPED USING CAMP PENDLETON SHAPEFILE.						
Ecological:							
General:	DETECTED DURING DRY SEASON SURVEYS IN 2012 (DATE IS UNCLEAR).						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	82	Map Index:	95430	EO Index:	96616	Element Last Seen:	2003-01-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-01-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-03-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28047 / -117.30731				Accuracy:	80 meters	
UTM:	Zone-11 N3682423 E471382				Elevation (ft):	110	
PLSS:	T10S, R04W, Sec. 28, NW (S)				Acres:	0.0	
Location:	ALONG PILGRIM CREEK ABOUT 0.5 MILE WSW OF VANDEGRIFT BLVD AT BIDDLE ST, CAMP PENDLETON MCB.						
Detailed Location:	MAPPED USING CAMP PENDLETON SHAPEFILE.						
Ecological:	SAN DIEGO FAIRY SHRIMP ALSO FOUND HERE.						
General:	DETECTED IN 2003.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Cicindela latesignata

Element Code: IICOL02110

western beach tiger beetle

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2G3

State: None

State: S1

Other:

Habitat: **General:** MUDFLATS AND BEACHES OF COASTAL ESTUARIES FROM SAN DIEGO COUNTY TO LOS ANGELES COUNTY.

Micro: TYPICALLY INHABIT WET OR DRY SANDY BEACHES AND MUD, SAND, OR SALT FLATS.

Occurrence No.	25	Map Index:	22117	EO Index:	121070	Element Last Seen:	1967-08-26
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:	1979-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2021-11-30		

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long:	33.0867 / -117.31069	Accuracy:	non-specific area
UTM:	Zone-11 N3660941 E471005	Elevation (ft):	3
PLSS:	T99X, R99X, Sec. UN (X)	Acres:	839.0

Location: SAN MARCOS CREEK, BATIQUITOS LAGOON, NORTH OF ENCINITAS.

Detailed Location: MAPPED NON-SPECIFICALLY TO THE AREA OF BATIQUITOS LAGOON.

Ecological: CONSIDERED BY RUMPP AND NAGANO TO BE PART OF THE "OBLIVIOSA" POPULATION FORM. FORMERLY C. L. OBLIVIOSA EO #6.

General: COLLECTED IN THIS AREA IN 1960, 1961, AND 1967. NOT FOUND BY NAGANO DURING HIS RESEARCH IN THE 1970S AND CONSIDERED EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No.	27	Map Index:	B7889	EO Index:	121072	Element Last Seen:	1932-08-23
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:	1979-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2021-11-30		

Quad Summary: San Luis Rey (3311723), Oceanside (3311724)

County Summary: San Diego

Lat/Long:	33.19966 / -117.38894	Accuracy:	1 mile
UTM:	Zone-11 N3673489 E463749	Elevation (ft):	13
PLSS:	T11S, R05W, Sec. 22 (S)	Acres:	1987.0

Location: OCEANSIDE.

Detailed Location: MAPPED NON-SPECIFICALLY TO THE NORTHERN PORTION OF THE TOWN OF OCEANSIDE AND TO THE HISTORIC ESTUARY AREA AT THE MOUTH OF SAN LUIS REY RIVER; MULTIPLE HARBOR CONSTRUCTIONS HAVE MODIFIED THIS AREA SINCE THE 1930S.

Ecological: CONSIDERED BY NAGANO TO BE PART OF THE "OBLIVIOSA" POPULATION FORM. FORMERLY C. L. OBLIVIOSA EO #2.

General: SEVERAL COLLECTED IN 1932. NOT FOUND BY NAGANO DURING HIS RESEARCH IN THE 1970S AND CONSIDERED EXTIRPATED.

Owner/Manager: UNKNOWN



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Cicindela senilis frosti

Element Code: IICOL02121

senile tiger beetle

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2G3T1T3

State: None

State: S1

Other:

Habitat: **General:** INHABITS MARINE SHORELINE, FROM CENTRAL CALIFORNIA COAST SOUTH TO SALT MARSHES OF SAN DIEGO. ALSO FOUND AT LAKE ELSINORE.

Micro: INHABITS DARK-COLORED MUD IN THE LOWER ZONE AND DRIED SALT PANS IN THE UPPER ZONE.

Occurrence No. 8 **Map Index:** 03503 **EO Index:** 13437 **Element Last Seen:** XXXX-XX-XX
Occ. Rank: None **Presence:** Extirpated **Site Last Seen:** 1979-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2012-09-14

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.02680 / -117.28681 **Accuracy:** non-specific area
UTM: Zone-11 N3654294 E473215 **Elevation (ft):** 20
PLSS: T13S, R04W, Sec. 22 (S) **Acres:** 116.9

Location: 2 MILES NORTH OF SOLANA BEACH.

Detailed Location: HISTORICAL LOCATION.

Ecological: THE BEETLE'S FLIGHT PERIOD IS BIMODAL - IN EARLY SPRING AND LATE FALL.

General: UNCOMMONLY COLLECTED BECAUSE POPULATIONS NATURALLY EXIST AT LOW LEVELS.

Owner/Manager: DPR-SAN ELIJO SB

Bombus pensylvanicus

Element Code: IIHYM24260

American bumble bee

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G3G4

State: None

State: S2

Other: IUCN_VU-Vulnerable

Habitat: **General:** ☐

Micro: LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Occurrence No. 60 **Map Index:** B8940 **EO Index:** 124083 **Element Last Seen:** 1958-05-22
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1958-05-22
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2023-05-22

Quad Summary: Bonsall (3311732), Temecula (3311742)

County Summary: San Diego

Lat/Long: 33.38003 / -117.19867 **Accuracy:** 1 mile
UTM: Zone-11 N3693436 E481521 **Elevation (ft):** 905
PLSS: T09S, R03W, Sec. 21 (S) **Acres:** 1987.0

Location: VICINITY OF RIDGE DRIVE AT RIDGE CREEK DRIVE, ABOUT 1.5 MI SSW OF RED MOUNTAIN, 3 MI E OF FALLBROOK.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO LOCATION STATED AS "FALLBROOK, 3 MI E".

Ecological:

General: 1 INDIVIDUAL COLLECTED BY R. MACKIE ON 22 MAY 1958 (JPS #35877).

Owner/Manager: UNKNOWN



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Occurrence No.	203	Map Index:	44537	EO Index:	125493	Element Last Seen:	1917-08-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1917-08-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-08-21
Quad Summary:	Bonsall (3311732), Morro Hill (3311733), Temecula (3311742), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37646 / -117.25196				Accuracy:	1 mile	
UTM:	Zone-11 N3693051 E476563				Elevation (ft):	700	
PLSS:	T09S, R04W, Sec. 24 (S)				Acres:	0.0	
Location:	FALLBROOK.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE COMMUNITY OF FALLBROOK.						
Ecological:							
General:	1 ADULT FEMALE COLLECTED BY E. HOLT ON 2 AUG 1917 (USNMENT #1031629).						
Owner/Manager:	UNKNOWN						

Occurrence No.	241	Map Index:	B9384	EO Index:	125604	Element Last Seen:	1967-09-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1967-09-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-13
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.2805 / -117.19503				Accuracy:	1 mile	
UTM:	Zone-11 N3682401 E481839				Elevation (ft):	201	
PLSS:	T10S, R03W, Sec. 28 (S)				Acres:	1987.0	
Location:	MOOSA CANYON, 1.85 MI ESE OF BONSALE, 2.3 MI WNW OF I-5 AT CAMINO DEL REY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE LOCATION STATED AS "MOOSA CANYON". COLLECTION COULD BE FROM ANYWHERE ALONG MOOSA CANYON.						
Ecological:	MOOSA CANYON IS ABOUT 10 MILES LONG AND IS SURROUNDED BY RIPARIAN HABITAT. RUNS THROUGH SOME NATURAL AND SOME DEVELOPED AREAS.						
General:	1 ADULT MALE COLLECTED BY E. BELLET ON 26 SEP 1967 (UCRCENT #295305).						
Owner/Manager:	UNKNOWN						

Occurrence No.	242	Map Index:	B9385	EO Index:	125605	Element Last Seen:	2016-08-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-08-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24589 / -117.29969				Accuracy:	1/10 mile	
UTM:	Zone-11 N3678586 E472082				Elevation (ft):	77	
PLSS:	T11S, R04W, Sec. 4, SE (S)				Acres:	18.0	
Location:	MANCE BUCHANON PARK, 0.34 MI S OF NORTH RIVER RD AT COLLEGE BLVD, 1.67 MI NE OF CENTRAL SAN LUIS REY.						
Detailed Location:	MAPPED TO THE PROVIDED COORDINATES.						
Ecological:	INDIVIDUAL SEEN FORAGING ON FLOWERS.						
General:	1 ADULT FOUND & PHOTOGRAPHED ON 27 AUG 2016.						
Owner/Manager:	CITY OF OCEANSIDE, UNKNOWN						



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Occurrence No.	243	Map Index:	B9387	EO Index:	125607	Element Last Seen:	2017-07-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-07-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.21796 / -117.26972				Accuracy:	non-specific area	
UTM:	Zone-11 N3675483 E474866				Elevation (ft):	369	
PLSS:	T11S, R04W, Sec. 14, SE (S)				Acres:	24.0	
Location:	THE LEADERSHIP ACADEMY ELEMENTARY SCHOOL, 0.28 MI E OF PEACOCK BLVD AT RISING GLEN DR, 1.5 MI NW OF CENTRAL VISTA.						
Detailed Location:	MAPPED TO THE PROVIDED COORDINATES.						
Ecological:	INDIVIDUALS WERE SEEN FORAGING ON FLOWERS. SURROUNDING AREA MOSTLY COMPRISED OF RESIDENTIAL AND COMMERCIAL DEVELOPMENT.						
General:	BETWEEN 1-4 ADULTS FOUND & PHOTOGRAPHED ON 18 JUL 2017. 1 ADULT FOUND & PHOTOGRAPHED ON 25 JUL 2017.						
Owner/Manager:	VISTA UNIFIED SCHOOL DIST						

Occurrence No.	244	Map Index:	B9388	EO Index:	125608	Element Last Seen:	2020-03-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-03-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-14
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19935 / -117.2658				Accuracy:	1/10 mile	
UTM:	Zone-11 N3673418 E475226				Elevation (ft):	408	
PLSS:	T11S, R04W, Sec. 23, SE (S)				Acres:	18.0	
Location:	JUST N OF COLUSA WAY AT SANTA CLARA DR, 0.5 MI E OF GRAPEVINE SCHOOL, ABOUT 1.3 MI SW OF CENTRAL VISTA.						
Detailed Location:	MAPPED TO THE PROVIDED COORDINATES.						
Ecological:	AREA IS PRIMARILY RESIDENTIAL. INDIVIDUAL SEEN FLYING NEAR FLOWERS IN YARD AT PRIVATE RESIDENCE.						
General:	1 ADULT FOUND & PHOTOGRAPHED ON 29 MAR 2020.						
Owner/Manager:	PVT						

Occurrence No.	245	Map Index:	B9390	EO Index:	125610	Element Last Seen:	2016-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-14
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14042 / -117.2113				Accuracy:	1/10 mile	
UTM:	Zone-11 N3666874 E480292				Elevation (ft):	669	
PLSS:	T12S, R03W, Sec. 8, SE (S)				Acres:	18.0	
Location:	PALOMAR WEST MOBILE HOME PARK, JUST N OF VIA FLORA AT VALLECITOS DR, 0.5 MI SW OF ALVIN M DUNN ELEMENTARY SCHOOL.						
Detailed Location:	MAPPED TO THE PROVIDED COORDINATES.						
Ecological:	INDIVIDUAL SEEN FORAGING ON A FLOWER (FAMILY BORAGINACEAE).						
General:	1 ADULT FOUND & PHOTOGRAPHED ON 15 AUG 2016.						
Owner/Manager:	PVT						



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Occurrence No.	246	Map Index:	B9392	EO Index:	125612	Element Last Seen:	2017-09-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-09-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-14
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15184 / -117.17981				Accuracy:	1/10 mile	
UTM:	Zone-11 N3668134 E483232				Elevation (ft):	659	
PLSS:	T12S, R03W, Sec. 10, NE (S)				Acres:	18.0	
Location:	EDWIN AND FRANCES HUNTER ARBORETUM, JUST E OF N LAS POSAS RD AT COMET CIR, 0.45 MI NW OF SAN MARCOS JUNIOR HIGH SCHOOL.						
Detailed Location:	MAPPED TO THE PROVIDED COORDINATES. INDIVIDUAL FOUND ON THE N END OF THE ARBORETUM.						
Ecological:	INDIVIDUAL SEEN FORAGING ON PRIDE OF BOLIVIA (TIPUANA TIPU) FLOWER. THIS ARBORETUM IS A 5-ACRE GARDEN AREA AT PALOMAR COLLEGE WITH VARIOUS PLANT COLLECTIONS.						
General:	1 ADULT FOUND & PHOTOGRAPHED ON 8 SEP 2017.						
Owner/Manager:	PALOMAR COMMUNITY COLLEGE						

Occurrence No.	254	Map Index:	04194	EO Index:	125628	Element Last Seen:	1982-07-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1982-07-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-09-21
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE CITY OF ESCONDIDO.						
Ecological:							
General:	12 INDIVIDUALS COLLECTED BY J. HALSTEAD ON 29 JUL 1982 (BBSL #241128-241139).						
Owner/Manager:	UNKNOWN						

Occurrence No.	266	Map Index:	B9502	EO Index:	125734	Element Last Seen:	2017-09-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-09-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-10-18
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13116 / -117.31942				Accuracy:	1/10 mile	
UTM:	Zone-11 N3665873 E470205				Elevation (ft):	168	
PLSS:	T12S, R04W, Sec. 17, SE (S)				Acres:	18.0	
Location:	GEMOLOGICAL INSTITUTE OF AMERICA, 0.26 MI SW OF LEGOLAND DR AT CANNON RD, 0.44 MI E OF CAR COUNTRY PARK.						
Detailed Location:	MAPPED TO THE PROVIDED COORDINATES.						
Ecological:	INDIVIDUAL SEEN FORAGING ON A ROSE (GENUS ROSA). SURROUNDING AREA COMPRISED OF AGRICULTURAL FIELDS AND COMMERICAL DEVELOPMENT.						
General:	1 ADULT FOUND & PHOTOGRAPHED ON 18 SEP 2017.						
Owner/Manager:	PVT						



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Occurrence No.	357	Map Index:	B6469	EO Index:	119528	Element Last Seen:	2017-07-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-07-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-17
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17258 / -117.27741				Accuracy:	1/10 mile	
UTM:	Zone-11 N3670453 E474136				Elevation (ft):	229	
PLSS:	T11S, R04W, Sec. 35, SW (S)				Acres:	18.0	
Location:	0.4 MILES WEST OF THE INTERSECTION OF NIGHTHAWK WAY AND HILLVIEW WAY, LAKE CALAVERA PRESERVE, CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. ACCURACY NOT GIVEN.						
Ecological:	OBSERVED ON CORDYLANTHUS RIGIDUS.						
General:	15 OBSERVED, AT LEAST 1 FEMALE PHOTOGRAPHED ON 14 JUL 2017.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	358	Map Index:	B6471	EO Index:	119529	Element Last Seen:	2017-07-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-07-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-17
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17008 / -117.28345				Accuracy:	non-specific area	
UTM:	Zone-11 N3670178 E473572				Elevation (ft):	234	
PLSS:	T11S, R04W, Sec. 34, SE (S)				Acres:	23.0	
Location:	0.3 MILES SE OF THE INTERSECTION OF TAMARACK AVENUE AND KNOLLWOOD DRIVE, IN LAKE CALAVERA PRESERVE, CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. ACCURACY NOT GIVEN.						
Ecological:	OBSERVED ON CORDYLANTHUS RIGIDUS IN COASTAL SAGE SCRUB, AND ON TARWEED AND CHAMISE ON SANDY WHITE SOIL.						
General:	1 FEMALE OBSERVED & PHOTOGRAPHED ON 3 JUL 2017. 4 OBSERVED AND 1 FEMALE PHOTOGRAPHED ON 6 JUL 2017. 1 FEMALE OBSERVED AND PHOTOGRAPHED ON 12 JUL 2017.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	372	Map Index:	B6495	EO Index:	119557	Element Last Seen:	2017-10-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-10-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-18
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04805 / -117.07939				Accuracy:	80 meters	
UTM:	Zone-11 N3656616 E492587				Elevation (ft):	348	
PLSS:	T13S, R02W, Sec. 15, NW (S)				Acres:	5.0	
Location:	BETWEEN RANCHO BERNARDO COMMUNITY PARK AND THE GREEN VALLEY CREEK ARM OF LAKE HODGES, SAN DIEGO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	OBSERVED IN COASTAL SAGE SCRUB.						
General:	1 OBSERVED AND PHOTOGRAPHED ON 1 OCT 2017.						
Owner/Manager:	CITY OF SAN DIEGO						



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Occurrence No.	373	Map Index:	B6498	EO Index:	119559	Element Last Seen:	2017-05-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-18
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05787 / -117.08741				Accuracy:	80 meters	
UTM:	Zone-11 N3657706 E491839				Elevation (ft):	408	
PLSS:	T13S, R02W, Sec. 9, SE (S)				Acres:	5.0	
Location:	0.4 AIR MILES SOUTH OF SUMMIT OF BERNARDO MOUNTAIN, BERNARDO MOUNTAIN OPEN SPACE, JUST NORTH OF LAKE HODGES, SAN DIEGO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	OBSERVED IN COASTAL SAGE SCRUB.						
General:	UP TO 2 OBSERVED AND PHOTOGRAPHED ON 23 MAY 2017.						
Owner/Manager:	CITY OF SAN DIEGO						

Occurrence No.	374	Map Index:	B6504	EO Index:	119565	Element Last Seen:	2020-06-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-18
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05376 / -117.07924				Accuracy:	80 meters	
UTM:	Zone-11 N3657249 E492602				Elevation (ft):	412	
PLSS:	T13S, R02W, Sec. 10, SE (S)				Acres:	5.0	
Location:	0.5 AIR MILES WSW OF POMERADO RD AT INTERSTATE 15, NW OF RANCHO BERNARDO COMMUNITY PARK, SAN DIEGO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. ON HODGES RESERVOIR PROPERTY.						
Ecological:							
General:	1 OBSERVED AND PHOTOGRAPHED ON 1 JUN 2020.						
Owner/Manager:	CITY OF SAN DIEGO						

Occurrence No.	375	Map Index:	B6520	EO Index:	119582	Element Last Seen:	2020-04-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-04-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-20
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08518 / -117.0335				Accuracy:	1/5 mile	
UTM:	Zone-11 N3660731 E496874				Elevation (ft):	573	
PLSS:	T12S, R02W, Sec. 36, SE (S)				Acres:	70.0	
Location:	NEAR THE INTERSECTION OF PASEO DEL SOL AND VISTA DEL SEMBRADO, ESCONDIDO.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES; ACCURACY GIVEN AS 201M. W SIDE OF SAN PASQUAL VALLEY.						
Ecological:							
General:	1 OBSERVED AND PHOTOGRAPHED ON 5 APR 2020.						
Owner/Manager:	PVT						



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Occurrence No.	377	Map Index:	B6523	EO Index:	119584	Element Last Seen:	2020-06-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-06-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.1095 / -117.17591				Accuracy:	80 meters	
UTM:	Zone-11 N3663440 E483588				Elevation (ft):	1589	
PLSS:	T12S, R03W, Sec. 27, NE (S)				Acres:	5.0	
Location:	DOUBLE PEAK PARK, SAN MARCOS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	OBSERVED ON WEED'S MARIPOSA LILY.						
General:	1 OBSERVED AND PHOTOGRAPHED 15 JUN 2020.						
Owner/Manager:	CITY OF SAN MARCOS, UNKNOWN						

Occurrence No.	378	Map Index:	B6527	EO Index:	119588	Element Last Seen:	2020-05-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-05-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.089 / -117.21857				Accuracy:	80 meters	
UTM:	Zone-11 N3661175 E479603				Elevation (ft):	889	
PLSS:	T12S, R03W, Sec. 32, NW (S)				Acres:	5.0	
Location:	0.4 AIR MILES EAST OF INTERSECTION OF SOUTH RANCHO SANTA FE RD AND CAMINO JUNIPERO, RANCHO LA COSTA PRESERVE, CARLSBAD.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:							
General:	1 OBSERVED AND PHOTOGRAPHED ON 4 MAY 2020.						
Owner/Manager:	PVT-CNLM						

Occurrence No.	379	Map Index:	B6531	EO Index:	119589	Element Last Seen:	2020-04-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-04-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10967 / -117.20467				Accuracy:	80 meters	
UTM:	Zone-11 N3663464 E480905				Elevation (ft):	926	
PLSS:	T12S, R03W, Sec. 21, SW (S)				Acres:	5.0	
Location:	0.2 MILES NORTH OF THE INTERSECTION OF LIGHTHOUSE ROAD AND GLENCREST DRIVE, SAN MARCOS.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	OBSERVED ON LUPINE.						
General:	1 OBSERVED AND PHOTOGRAPHED ON 27 APR 2020.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	387	Map Index:	B6545	EO Index:	119604	Element Last Seen:	2020-03-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-03-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-23
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.30291 / -117.07897				Accuracy:	1/10 mile	
UTM:	Zone-11 N3684871 E492648				Elevation (ft):	968	
PLSS:	T10S, R02W, Sec. 15, SW (S)				Acres:	18.0	
Location:	0.4 MILES SE OF THE INTERSECTION OF SANTA CATALINA RD & LILAC RD, NW OF VALLEY CENTER.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES; ACCURACY UNKNOWN. LOCATION DESCRIBED AS LILAC RD, VALLEY CENTER.						
Ecological:							
General:	1 OBSERVED AND PHOTOGRAPHED ON 28 MAR 2020.						
Owner/Manager:	UNKNOWN						

Occurrence No.	389	Map Index:	27999	EO Index:	119606	Element Last Seen:	1915-04-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1915-04-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-11-23
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.19540 / -117.37726				Accuracy:	1 mile	
UTM:	Zone-11 N3673012 E464835				Elevation (ft):	20	
PLSS:	T11S, R05W, Sec. 26 (S)				Acres:	0.0	
Location:	OCEANSIDE.						
Detailed Location:	MAPPED GENERALLY TO PROVIDED SPECIMEN LOCALITY.						
Ecological:							
General:	1 COLLECTED BY E. JACKSON ON 11 APR 1915.						
Owner/Manager:	UNKNOWN						

<i>Danaus plexippus plexippus pop. 1</i>						Element Code: IILEPP2012	
monarch - California overwintering population							
Listing Status:	Federal:	Candidate			CNDDB Element Ranks:	Global:	G4T1T2Q
	State:	None				State:	S2
	Other:	IUCN_EN-Endangered, USFS_S-Sensitive					
Habitat:	General:	WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.					
	Micro:	ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.					



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Occurrence No.	208	Map Index:	03416	EO Index:	22793	Element Last Seen:	2012-11-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2022-01-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2022-10-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17650 / -117.33450				Accuracy:	1/10 mile	
UTM:	Zone-11 N3670904 E468813				Elevation (ft):	20	
PLSS:	T11S, R04W, Sec. 31, E (S)				Acres:	0.0	
Location:	HOSP GROVE PARK, ON THE SOUTH SIDE OF MARRON ROAD ABOUT 0.1 MILE EAST OF THE MONROE STREET JUNCTION, CARLSBAD.						
Detailed Location:	ERRONEOUSLY KNOWN AS "HOSPITAL GROVE." ACTUALLY NAMED FOR THE MAN WHO PLANTED THE EUCALYPTUS IN 1908 FOR RAILROAD TIES; THE VENTURE FAILED & GROVE IS NOW A PUBLIC PARK. XERCES SITE #3013.						
Ecological:	SITE ORIGINALLY IN PINES ADJACENT TO A PROPOSED SHOPPING CENTER. PRESUMED EXTIRPATED WHEN SHOPPING CENTER WAS BUILT (LATE 80S) BUT AGGREGATION MOVED TO NEARBY GROVE OF EUCALYPTUS. THANKSGIVING COUNTS BEGAN 1997. NEW YEAR COUNTS BEGAN 2019.						
General:	1000S IN 1983-85. 8K IN FEB 1991. 1100 IN NOV 1997. 200 IN 1998. 6 IN 2001. 15 IN 2008, 40 IN 2010, 5 IN 2011, 35 IN 2012, 2 IN 2018, AND 8 IN 2019. NONE FOUND IN 1999, 2000, 2002-2007, 2013-2017, AND WINTER OF 2021-2022.						
Owner/Manager:	CITY OF CARLSBAD						
Occurrence No.	209	Map Index:	03509	EO Index:	2812	Element Last Seen:	2014-11-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2022-01-XX
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2022-08-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05299 / -117.28087				Accuracy:	specific area	
UTM:	Zone-11 N3657196 E473778				Elevation (ft):	225	
PLSS:	T13S, R04W, Sec. 10, SW (S)				Acres:	17.4	
Location:	SAN DIEGO BOTANIC GARDEN, 0.5 MILE NE OF ENCINITAS BLVD AT I-5, ENCINITAS.						
Detailed Location:	230 QUAIL GARDENS DRIVE. PREVIOUSLY KNOWN AS QUAIL BOTANICAL GARDENS. ROOST SITE IS JUST NORTH OF THE VISITOR CENTER, NEAR THE WATERFALL. XERCES SITE #3014.						
Ecological:	OVERWINTERING ROOST IN BOTANICAL GARDEN CONTAINING MANY PLANT COMMUNITIES, ALTHOUGH MOST ARE MEDITERRANEAN. ROOST TREES ARE PINES AND CORK OAKS. THANKSGIVING COUNTS BEGAN IN 1997. NEW YEAR COUNTS BEGAN IN WINTER 2021-2022.						
General:	HISTORICALLY HAD 100S-10K. 100S IN 1983. 100S IN 1985. 10 IN 1986-87. 100 IN 1990-91. 150 IN 1997-98. 6-20 SEEN IN 1998-2007. 30 IN 2008. 40 IN 2010, 15 IN 2011, 12 IN 2012, 25 IN 2014. NONE IN 1999, 2013, 2017, 2019 & WINTER OF 2021-2022.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	330	Map Index:	38957	EO Index:	33964	Element Last Seen:	2008-11-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2022-01-XX
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2022-08-31
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16316 / -117.32026				Accuracy:	80 meters	
UTM:	Zone-11 N3669420 E470137				Elevation (ft):	280	
PLSS:	T12S, R04W, Sec. 05, NE (S)				Acres:	0.0	
Location:	SW CORNER OF THE INTERSECTION OF EL CAMINO REAL AND CHESTNUT AVENUE, CARLSBAD.						
Detailed Location:	XERCES SITE #3024.						
Ecological:	ROOST TREES ARE EUCALYPTUS. SITE IS PRIVATELY OWNED; IN GOOGLE STREETVIEW (2015) CONSTRUCTION WAS TAKING PLACE ALONG EL CAMINO REAL, BUT EUCALYPTUS GROVE WAS TEMPORARILY FENCED-OFF.						
General:	120 ROOSTING, 30 FLYERS OBSERVED ON 24 NOV 1997. 60 OBSERVED IN 1998. 2 IN 1999. 0 IN ANNUAL COUNTS, 2000-2003. 1 IN 2007. 25 IN 2008. 0 IN 2011. 20 IN 2012. 0 IN 2013. 1 IN 2014. 0 IN 2016. 4 IN 2017. 10 IN 2019. 2 IN WINTER OF 2021-2022.						
Owner/Manager:	PVT						

Occurrence No.	331	Map Index:	38981	EO Index:	33988	Element Last Seen:	1997-12-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2022-01-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2022-08-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05837 / -117.27944				Accuracy:	specific area	
UTM:	Zone-11 N3657792 E473912				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 10, NE (S)				Acres:	4.2	
Location:	ALONG QUAIL GARDENS DR, JUST NORTH OF INTERSECTION OF QUAIL GARDENS LN, 0.8 MI SE OF I-5 AT LEUCADIA BLVD, ENCINITAS.						
Detailed Location:	623 QUAIL GARDENS DRIVE. XERCES SITE #3025.						
Ecological:	ROOST TREES WERE EUCALYPTUS. SITE MAY HAVE BEEN TEMPORARY, AND IS POSSIBLY ABANDONED, JUDGING FROM ANNUAL COUNTS.						
General:	20 ROOSTING & 30 FLYING OBSERVED 12 DEC 1997. 0 OBSERVED IN 1999, 2000, 2001, 2014, 2019. 0 FOUND IN 2021 THANKSGIVING COUNT, BUT 11 SEEN A FEW MONTHS LATER IN 2022 NEW YEAR COUNT.						
Owner/Manager:	PVT						



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Occurrence No.	335	Map Index:	40012	EO Index:	35014	Element Last Seen:	1997-11-27
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2021-11-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2022-07-28
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00032 / -117.23348				Accuracy:	2/5 mile	
UTM:	Zone-11 N3651346 E478189				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 31 (S)				Acres:	0.0	
Location:	SAN DIEGUITO COUNTY PARK, LOMAS STANTA FE DRIVE AT HIGHLAND DRIVE, DEL MAR.						
Detailed Location:	XERCES SITE #3028.						
Ecological:	ROOST TREES CONSISTED OF EUCALYPTUS. SITE MAY HAVE BEEN AUTUMNAL AND MAY BE ABANDONED, JUDGING FROM THE THANKSGIVING COUNT RESULTS.						
General:	OBSERVED, 1985. 120 OBSERVED IN NOV 1997. 8 OBS, 1998. 0 OBSERVED DURING THANKSGIVING COUNTS IN 1999, 2000, 2001, 2003, 2008, 2014, 2016, 2017, 2019, AND 2020. 1 IN 2021.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	432	Map Index:	B8251	EO Index:	121368	Element Last Seen:	2022-01-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2022-01-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2022-08-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02958 / -117.26311				Accuracy:	3/5 mile	
UTM:	Zone-11 N3654597 E475429				Elevation (ft):	383	
PLSS:	T13S, R04W, Sec. 23 (S)				Acres:	776.0	
Location:	ALONG CREST DRIVE, EAST OF INTERSTATE 5 AT BIRMINGHAM DRIVE, ENCINITAS.						
Detailed Location:	XERCES SITE #3184. SITE NAME: CREST DR., ENCINITAS. MAPPED TO PROVIDED SHAPEFILE.						
Ecological:							
General:	50 SEEN ON THANKSGIVING COUNT IN 1997. NONE COUNTED IN 1999, 2000, 2003, 2014, AND 2019. 1 COUNTED IN WINTER OF 2017-2018. 35 OBS IN 2021 THANKSGIVING COUNT, AND 30 OBS DURING 2022 NEW YEAR COUNT.						
Owner/Manager:	UNKNOWN						

Tryonia imitator

Element Code: IMGASJ7040

mimic tryonia (=California brackishwater snail)

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: IUCN_DD-Data Deficient

Habitat: **General:** INHABITS COASTAL LAGOONS, ESTUARIES AND SALT MARSHES, FROM SONOMA COUNTY SOUTH TO SAN DIEGO COUNTY.

Micro: FOUND ONLY IN PERMANENTLY SUBMERGED AREAS IN A VARIETY OF SEDIMENT TYPES; ABLE TO WITHSTAND A WIDE RANGE OF SALINITIES.



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Occurrence No.	7	Map Index:	03526	EO Index:	23216	Element Last Seen:	1997-10-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-10-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-22
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08953 / -117.29180				Accuracy:	non-specific area	
UTM:	Zone-11 N3661250 E472768				Elevation (ft):	3	
PLSS:	T12S, R04W, Sec. 34 (S)				Acres:	790.7	
Location:	BATIQUITOS LAGOON, JUST NORTH OF LEUCADIA.						
Detailed Location:	POPULATION FOUND AT MOUTH OF BATIQUITOS LAGOON IN THE SW 1/4 OF SECTION 33 (1970). COLLECTED 0.8 KM WEST OF EL CAMINO REAL, ON SHORE OF BIRD NESTING COLONY IN THE UPPER END OF THE LAGOON (1997).						
Ecological:							
General:	COLLECTED BY TAYLOR ON 20 FEB 1970. 5 COLLECTED IN OCT 1997 BY R. WOODFIELD, MERKEL & ASSOC. INC. (USNMNH #1127619) & IDENTIFIED BY R. HERSHLER (USNMNH).						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						

Occurrence No.	8	Map Index:	03567	EO Index:	23217	Element Last Seen:	1981-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1981-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-09-24
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01150 / -117.26148				Accuracy:	non-specific area	
UTM:	Zone-11 N3652592 E475576				Elevation (ft):	10	
PLSS:	T13S, R04W, Sec. 26, S (S)				Acres:	599.0	
Location:	SAN ELIJO LAGOON.						
Detailed Location:	COLLECTED BY TAYLOR IN SECTION 27.						
Ecological:							
General:	UNKNOWN NUMBER COLLECTED BY TAYLOR 19 FEB 1970. LIVING POPULATION FOUND BY KELLOG IN 1981.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						

Occurrence No.	22	Map Index:	33747	EO Index:	23207	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1981-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-12-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17255 / -117.34981				Accuracy:	non-specific area	
UTM:	Zone-11 N3670470 E467386				Elevation (ft):	10	
PLSS:	T11S, R05W, Sec. 36 (S)				Acres:	182.7	
Location:	BUENA VISTA LAGOON ECOLOGICAL RESERVE, JUST SOUTH OF OCEANSIDE.						
Detailed Location:							
Ecological:							
General:	UNKNOWN WHEN LAST ALIVE. RECORDS BASED UPON EMPTY SHELLS COLLECTED 2 SEP 1958 AND 5 APR 1959 BY DR. CARPELAN; NO SPECIMENS FOUND IN 1971 (TAY78R0001). NONE FOUND BY KELLOGG IN 1981. KELLOGG CONCLUDED THAT THEY WERE EXTIRPATED.						
Owner/Manager:	DFG-BUENA VISTA LAGOON ER						



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Occurrence No.	26	Map Index:	15991	EO Index:	23205	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1981-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-12-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14294 / -117.32982				Accuracy:	non-specific area	
UTM:	Zone-11 N3667182 E469239				Elevation (ft):	10	
PLSS:	T12S, R04W, Sec. 08 (S)				Acres:	243.1	
Location:	AGUA HEDIONDA LAGOON, JUST SOUTH OF CARLSBAD.						
Detailed Location:							
Ecological:	HABITAT IS COASTAL BRACKISH MARSH.						
General:	TAYLOR COLLECTED 1 EMPTY BLEACHED SHELL ON 10 FEB 1970 AND NOTED THAT THERE WAS PROBABLY NO POPULATION LIVING LOCALLY (PRESUMABLY LACM #10574 PER KELLOGG). NONE FOUND BY KELLOGG IN 1981; CONSIDERED EXTIRPATED.						
Owner/Manager:	UNKNOWN						

<i>Sphaerocarpos drewiae</i>					Element Code: NBHEP35030	
bottle liverwort						
Listing Status:	Federal:	None	CNDDDB Element Ranks:		Global:	G1
	State:	None			State:	S1
	Other:	Rare Plant Rank - 1B.1, IUCN_EN-Endangered				
Habitat:	General:	CHAPARRAL, COASTAL SCRUB.				
	Micro:	LIVERWORT IN OPENINGS; ON SOIL. 60-585 M.				

Occurrence No.	18	Map Index:	B7330	EO Index:	120401	Element Last Seen:	1995-04-05	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	1995-04-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	2021-05-12
Quad Summary:	San Marcos (3311722), Bonsall (3311732)							
County Summary:	San Diego							
Lat/Long:	33.27572 / -117.1519				Accuracy:	non-specific area		
UTM:	Zone-11 N3681864 E485854				Elevation (ft):	980		
PLSS:	T10S, R03W, Sec. 25 (S)				Acres:	241.0		
Location:	OLD HIGHWAY 395 BETWEEN WEST LILAC ROAD AND OLD CASTLE ROAD.							
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG OLD HIGHWAY 395 BETWEEN GIVEN ROADS. BASED ON GIVEN ELEVATION OF 980 FT, THIS WAS PROBABLY SEEN ALONG A NEARBY HIGHER ELEVATION HILLSIDE INSTEAD OF ALONG THE HIGHWAY.							
Ecological:	HILLSIDE SEEPAGE OVER GRANITE SLAB. SOIL NEAR CHAPARRAL.							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1995 DOYLE COLLECTION. NEEDS FIELDWORK.							
Owner/Manager:	UNKNOWN							

<i>Eryngium aristulatum var. parishii</i>					Element Code: PDAPI0Z042	
San Diego button-celery						
Listing Status:	Federal:	Endangered	CNDDDB Element Ranks:		Global:	G5T1
	State:	Endangered			State:	S1
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank				
Habitat:	General:	VERNAL POOLS, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.				



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Micro:		SAN DIEGO MESA HARDPAN AND CLAYPAN VERNAL POOLS AND SOUTHERN INTERIOR BASALT FLOW VERNAL POOLS; USUALLY SURROUNDED BY SCRUB. 15-880 M.					
Occurrence No.	3	Map Index:	27999	EO Index:	46957	Element Last Seen:	1897-06-16
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:	1897-06-16		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2021-03-01		
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.19540 / -117.37726			Accuracy:	1 mile		
UTM:	Zone-11 N3673012 E464835			Elevation (ft):	50		
PLSS:	T11S, R05W, Sec. 26 (S)			Acres:	0.0		
Location:	OCEANSIDE.						
Detailed Location:	ELEVATION RANGE OF 0-50 FT WAS GIVEN ON COLLECTION LABEL.						
Ecological:							
General:	TYPE LOCALITY. ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1897 COLLECTION BY PARISH. OCCURRENCE IS PROBABLY EXTIRPATED.						
Owner/Manager:	UNKNOWN						
Occurrence No.	4	Map Index:	03877	EO Index:	20041	Element Last Seen:	1937-05-11
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:	2009-09-16		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2009-10-05		
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16031 / -117.16030			Accuracy:	1 mile		
UTM:	Zone-11 N3669070 E485052			Elevation (ft):	620		
PLSS:	T12S, R03W, Sec. 02 (S)			Acres:	0.0		
Location:	1 MILE NORTH OF SAN MARCOS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ABOUT 1 MI N OF SAN MARCOS IN VICINITY OF TWIN OAKS VALLEY RD.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1937 GANDER COLLECTION. ROBERTS SEARCHED AREA IN 2009 FOR NAVARRETIA FOSSALIS (COLLECTED BY GANDER ON SAME DAY AS ERYNGIUM); 95% OF THE HABITAT IN THIS AREA HAS BEEN DEVELOPED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	51	Map Index:	14345	EO Index:	7728	Element Last Seen:	2011-04-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2011-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2015-03-02
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13619 / -117.19733				Accuracy:	specific area	
UTM:	Zone-11 N3666403 E481594				Elevation (ft):	530	
PLSS:	T12S, R03W, Sec. 16, NE (S)				Acres:	19.0	
Location:	BETWEEN SAN MARCOS BLVD AND HIGHWAY 78, SE OF SOUTH PACIFIC STREET, SW OF VIA VERA CRUZ, SAN MARCOS.						
Detailed Location:	BEAUCHAMP VERNAL POOL COMPLEXES: L1-10. MAPPED BY CNDDDB AS 10 POLYGONS ACCORDING TO A 1979 BEAUCHAMP MAP, A 2003 BUEGGE MAP, AND 2008 COORDINATES. PORTIONS OF THIS SITE HAVE BEEN EXTIRPATED BY DEVELOPMENT.						
Ecological:	VERNAL POOLS IN DISTURBED GRASSLAND WITH INTRODUCED GRASSES. ASSOCIATED WITH BRODIAEA FILIFOLIA, B. JOLONENSIS, B. ORCUTTII, DOWNINGIA CUSPIDATA, ISOETES ORCUTTII, ACANTHOMINTHA ILICIFOLIA, PILULARIA AMERICANA, AND NAVARRETIA FOSSALIS.						
General:	OBSERVED IN BEAUCHAMP'S L SERIES POOLS IN 1979. SEEN IN 5 POOLS IN 1986. 250 IN 1993. 50+ IN 3 POOLS IN MARCH 2003. SOUTHERNMOST POLYGON: 180 PLANTS IN JUNE 2003, "SEVERAL INDIVIDUALS" IN 2008, 50 IN 2011. INCLUDES FORMER OCCURRENCE #52.						
Owner/Manager:	PVT						

Occurrence No.	64	Map Index:	03347	EO Index:	20007	Element Last Seen:	1998-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-25
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23761 / -117.36877				Accuracy:	specific area	
UTM:	Zone-11 N3677690 E465643				Elevation (ft):	300	
PLSS:	T11S, R05W, Sec. 11, NE (S)				Acres:	2.0	
Location:	WIRE MOUNTAIN, ABOVE HEAD OF TULEY CANYON, 0.25 MILE NORTH OF NORTH END OF DOGWOOD RD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO CAMP PENDLETON DIGITAL DATA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 11.						
Ecological:	AT MARGIN OF VERNAL POOLS ON MESA IN COASTAL SAGE SCRUB.						
General:	ABOUT 250 PLANTS IN 1983. OBSERVED IN A SINGLE POOL IN 1987. 4 PLANTS OBSERVED IN EAST PORTION OF SITE IN 1998.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	65	Map Index:	03787	EO Index:	7735	Element Last Seen:	1991-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1991-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-08-16	
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14717 / -117.18820			Accuracy:	specific area		
UTM:	Zone-11 N3667618 E482448			Elevation (ft):	560		
PLSS:	T12S, R03W, Sec. 10, NW (S)			Acres:	10.0		
Location:	SAN MARCOS; JUST WEST AND SW OF PALOMAR COLLEGE.						
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS IN THE WEST HALF OF THE NW 1/4 OF SEC 10. NORTHERN POLYGON MAPPED AROUND THE SW CORNER OF HOGAN PARCEL #219-12. SOUTHERN POLYGON MAPPED ACCORDING TO A 1983 ARMSTRONG MAP (WITHIN HOGAN PARCEL #219-16).						
Ecological:	GROWING IN VERNAL POOLS IN ASSOCIATION WITH DOWNINGIA CUSPIDATA, PSILOCARPHUS BREVISSIMUS, RUMEX, AND JUNCUS.						
General:	OBSERVED IN THE SOUTHERN POLYGON SOMETIME IN THE EARLY 1980S. OBSERVED IN BOTH POLYGONS IN 1991. INCLUDES FORMER OCCURRENCE #90.						
Owner/Manager:	PVT						

Occurrence No.	78	Map Index:	03333	EO Index:	19998	Element Last Seen:	1987-03-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1987-03-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-02-25	
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.24000 / -117.37514			Accuracy:	80 meters		
UTM:	Zone-11 N3677957 E465050			Elevation (ft):	250		
PLSS:	T11S, R05W, Sec. 11, NW (S)			Acres:	0.0		
Location:	NORTH END OF WIRE MOUNTAIN, NORTH OF ABNER COURT, EAST OF VANDEGRIFT BLVD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	IN THE NE 1/4 OF THE NW 1/4 OF SECTION 11.						
Ecological:	VERNAL POOLS SURROUNDED BY DIEGAN COASTAL SAGE SCRUB. ASSOCIATED WITH PSILOCARPHUS BREVISSIMUS, DESCHAMPSIA DANTHONIOIDES, ALLIUM HAEMATOCITON, AND CRASSULA AQUATICA.						
General:	480 PLANTS OBSERVED IN 1987 BETWEEN THIS OCCURRENCE AND A PORTION OF OCCURRENCE #79.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	79	Map Index:	17979	EO Index:	19996	Element Last Seen:	2012-04-09
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2012-04-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-27
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22654 / -117.37352				Accuracy:	specific area	
UTM:	Zone-11 N3676464 E465196				Elevation (ft):	150	
PLSS:	T11S, R05W, Sec. 11, S (S)				Acres:	23.0	
Location:	JUST WEST OF WIRE MOUNTAIN AND TULEY CANYON, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	SSE OF THE JUNCTION OF CARNES RD AND WIRE MTN RD. MAPPED BY CNDDB AS 7 POLYGONS ACCORDING TO CAMP PENDLETON DIGITAL DATA.						
Ecological:	VERNAL POOLS SURROUNDED BY DIEGAN COASTAL SAGE SCRUB. ASSOCIATED WITH PSILOCARPHUS BREVISSIMUS, DESCHAMPSIA DANTHONIOIDES, ALLIUM HAEMATOCITON, AND CRASSULA AQUATICA.						
General:	POPULATION NUMBERS FOR PORTIONS OF OCCURRENCE: 480 PLANTS OBSERVED IN 1987 BETWEEN A PORTION OF THIS OCCURRENCE AND OCCURRENCE #78, 20+ IN 1995, 114 IN 1998, 11 IN 2002, 13 IN 2009, 9 IN 2011, 13 IN 2012. INCLUDES FORMER OCCURRENCE #93.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	91	Map Index:	86568	EO Index:	7730	Element Last Seen:	2013-05-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-07-24
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13895 / -117.18492				Accuracy:	specific area	
UTM:	Zone-11 N3666707 E482752				Elevation (ft):	550	
PLSS:	T12S, R03W, Sec. 10, SW (S)				Acres:	6.0	
Location:	NEAR THE INTERSECTION OF GRAND AVENUE AND LINDA VISTA DRIVE, SAN MARCOS.						
Detailed Location:	MAPPED AS 2 POLYGONS WITHIN PARCEL TO THE SOUTHWEST OF THE INTERSECTION OF LINDA VISTA DR (BEAUCHAMP POOL COMPLEXES L11-13) AND NORTHWEST OF LINDA VISTA DR (HOGAN PARCEL 219-33).						
Ecological:	GROWING IN VERNAL POOLS IN ASSOCIATION WITH ACANTHOMINTHA ILICIFOLIA, BRODIAEA FILIFOLIA, B. JOLOENSIS, B. ORCUTTII, DOWNINGIA CUSPIDATA, NAVARRETIA FOSSALIS, LYTHRUM HYSSOPIFOLIA, RUMEX, AND JUNCUS BUFONIUS. NATIVE BUNCHGRASSES SURROUND.						
General:	SOUTHERN POLYGON: OBSERVED IN THE L11-L13 POOLS IN 1979, COMMON IN OVER 50% OF THE POOLS AT THIS SITE IN 1986, 800 PLANTS IN 1993, SEEN IN 2013; SITE NEVER MOWED/GRUBBED FOR FIRE SAFETY. NORTHERN POLYGON BASED ON A 1991 HOGAN REPORT.						
Owner/Manager:	PVT						



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Occurrence No.	92	Map Index:	95304	EO Index:	47129	Element Last Seen:	2017-06-25
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-06-25
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-03-01
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10859 / -117.31878				Accuracy:	specific area	
UTM:	Zone-11 N3663370 E470257				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 29, N (S)				Acres:	6.0	
Location:	POINSETTIA STATION, ALONG RAILROAD EAST OF SOUTH CARLSBAD STATE BEACH, CARLSBAD.						
Detailed Location:	ALONG EAST SIDE OF TRACKS. ORIGINALLY FOUND IN TWO SWALES, ONE 40 FEET EAST OF THE TRACKS AND THE OTHER 100 FEET EAST OF THE TRACKS. PLANTS FOUND AT THE SOUTHERN END OF THE STATION IN 1999. MAPPED BY CNDDB ACCORDING TO A 2010 LSA ASSOC MAP.						
Ecological:	IN VERNAL POOL WITH BRASSICA NIGRA, HEMIZONA SPP., RUMEX SPP., XANTHIUM STRUMARIUM, MALVELLA LEPROSA, ANNUAL GRASSES AND ERODIUM.						
General:	IN 1989, RECON ESTIMATED 1500 PLANTS IN 35 DISTINCT GROUPS/POOLS. IN 1992, A FEW PLANTS IN SWALE 100 FT EAST OF TRACKS & SEVERAL HUNDRED SEEN 40 FT EAST OF TRACKS. 14 PLANTS IN 1999. OBSERVED IN 5 POOLS/SWALES IN 2010. SEEN IN 2017.						
Owner/Manager:	PVT						

Occurrence No.	97	Map Index:	54510	EO Index:	54510	Element Last Seen:	1983-06-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-02-27
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00066 / -117.05760				Accuracy:	non-specific area	
UTM:	Zone-11 N3651361 E494618				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 35 (S)				Acres:	627.5	
Location:	NORTH SIDE OF MIRA MESA BLVD, JUST EAST OF POWERLINE, SOUTH OF RANCHO BERNARDO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED FROM T-R-S PROVIDED BY COLLECTION.						
Ecological:	VERNAL POOL AND ADJACENT MESIC GRASSLAND.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1983 COLLECTION BY REVEAL. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	119	Map Index:	95332	EO Index:	96463	Element Last Seen:	2019-01-31
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-01-31
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2019-07-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03809 / -117.15319			Accuracy:	specific area		
UTM:	Zone-11 N3655520 E485696			Elevation (ft):	270		
PLSS:	T13S, R03W, Sec. 14, SE (S)			Acres:	4.0		
Location:	SOUTHEAST OF SAN DIEGUITO RIVER, APPROXIMATELY 1.5 AIR MILES WSW OF LAKE HODGES DAM.						
Detailed Location:	MAPPED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2004 HELIX MAP AND 2019 KENDRICK COORDINATES. SITE CONTAINS A MIX OF RESTORED AND CREATED VERNAL POOLS.						
Ecological:	VERNAL POOLS. ASSOCIATED WITH CRASSULA AQUATICA, NAVARRETIA FOSSALIS, PILULARIA AMERICANA, PSILOCARPHUS BREVISSIMUS, DOWNINGIA CUSPIDATA, ISOETES ORCUTTII, ETC.						
General:	ERYNGIUM WAS NOT OBSERVED ON THIS SITE PRIOR TO RESTORATION OF THESE POOLS. OBSERVED IN 11 POOLS ON-SITE IN 2004. UNKNOWN NUMBER OF PLANTS PRESUMABLY OBSERVED IN 2011. 139 PLANTS OBSERVED IN 2016. 8 PLANTS ESTIMATED IN 2019.						
Owner/Manager:	PVT						

Ambrosia pumila

San Diego ambrosia

Listing Status:

Federal:

Endangered

CNDDB Element Ranks:

Global:

G1

State:

None

Other:

Rare Plant Rank - 1B.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

Habitat:

General:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro:

SANDY LOAM OR CLAY SOIL; SOMETIMES ALKALINE. IN VALLEYS; PERSISTS WHERE DISTURBANCE HAS BEEN SUPERFICIAL. SOMETIMES ON MARGINS OR NEAR VERNAL POOLS. 3-580 M.

Element Code:

PDAST0C0M0

Occurrence No.	14	Map Index:	28492	EO Index:	29735	Element Last Seen:	2018-05-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2018-05-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-27
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06651 / -117.07088			Accuracy:	specific area		
UTM:	Zone-11 N3658663 E493384			Elevation (ft):	390		
PLSS:	T13S, R02W, Sec. 3, SE (S)			Acres:	9.0		
Location:	JUST SOUTHWEST OF THE JUNCTION OF VIA RANCHO PARKWAY AND INTERSTATE 15 (THE ESCONDIDO FREEWAY), IN ESCONDIDO.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS, ON THE WEST SIDE OF THE INTERSTATE, FROM THE EAST END OF CALLE FLORECITA TO 0.3 AIR MILE SE OF THE END OF CALLE FLORECITA.						
Ecological:	OPEN, FORB-DOMINATED, GENTLE SE-FACING SLOPE. ASSOCIATES INCLUDE ERODIUM BOTRYS, OCCASIONAL BROMUS DIANDRUS. HIGH-QUALITY HABITAT FOR THIS VERY RARE SPECIES. BURNED IN 2007.						
General:	POPULATION NUMBERS FOR PORTIONS OF OCC: LOCALLY PATCHY ON OPEN ROADSIDES IN 1999, 1000+ STEMS SEEN IN 2009, 100+ STEMS IN 2012, 8000 INDIVIDUALS IN 2016, 1500 CLUSTERS IN 2017, 6750 INDIVIDUALS IN 2018.						
Owner/Manager:	CITY OF SAN DIEGO, PVT						



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Occurrence No.	15	Map Index:	03455	EO Index:	29730	Element Last Seen:	1936-10-01
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2012-03-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22902 / -117.30589				Accuracy:	3/5 mile	
UTM:	Zone-11 N3676718 E471498				Elevation (ft):	70	
PLSS:	T11S, R04W, Sec. 09 (S)				Acres:	0.0	
Location:	SAN LUIS REY VALLEY, 3/4 MILE EAST OF MISSION.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS A BEST GUESS, CENTERED APPROXIMATELY 0.75 MILE EAST OF MISSION SAN LUIS REY.						
Ecological:							
General:	OCCURRENCE KNOWN ONLY FROM A 1936 COLLECTION BY GANDER. NO PLANTS COULD BE FOUND DURING SURVEYS DONE IN 1997, 1998, AND 2012. NO SUITABLE HABITAT APPEARED TO EXIST IN THIS REGION AS OF 2012. OCCURRENCE IS PRESUMED EXTIRPATED.						
Owner/Manager:	PVT						

Occurrence No.	16	Map Index:	17839	EO Index:	29733	Element Last Seen:	2018-07-26
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-07-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-21
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.28903 / -117.22712				Accuracy:	specific area	
UTM:	Zone-11 N3683353 E478853				Elevation (ft):	200	
PLSS:	T10S, R03W, Sec. 19, SE (S)				Acres:	8.0	
Location:	JUST WEST OF BONSALE ON THE NORTH AND SOUTH SIDE OF OLIVE HILL ROAD, WEST OF MISSION ROAD.						
Detailed Location:	2 POLYGONS MAPPED BY CNDDDB. NW POLYGON BASED ON A 1991 SIGHTING BY PHIL BUNCH. SE POLYGON BASED ON A 2006 OSBORNE MAP AND 2015 MORSE COORDINATES. SE POLYGON IS WITHIN GROVES OPEN SPACE.						
Ecological:	ASSOCIATED WITH ERIOGONUM FASCICULATUM, BRASSICA GENICULATUM, AND ASSORTED NON-NATIVE GRASSES. 2018 FIRE CAME WITHIN A COUPLE HUNDRED FEET OF THE OCCURRENCE.						
General:	NW POLY: 1000 STEMS SEEN IN 1991, PLANTS PRESENT IN SMALLER NUMBERS IN 1995, NONE FOUND IN 1996, 1997, 1998, & 2005. SE POLY: SEEN IN 2006 & 2007, EXTENSIVE POPULATION IN 2009, 1000 PLANTS IN 2015, 1500 IN 2016, 2000 IN 2017, 5000 IN 2018.						
Owner/Manager:	PVT, CALTRANS						



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Occurrence No.	40	Map Index:	28495	EO Index:	29729	Element Last Seen:	2018-08-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-08-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03396 / -117.15996				Accuracy:	specific area	
UTM:	Zone-11 N3655064 E485063				Elevation (ft):	120	
PLSS:	T13S, R03W, Sec. 23, NE (S)				Acres:	1.0	
Location:	BETWEEN CROSBY AT RANCHO SANTA FE GOLF COURSE AND SAN DIEGUITO RIVER, SE OF DEL DIOS HIGHWAY, SAN DIEGO.						
Detailed Location:	ABOUT 0.1 AIR MILE NORTH OF THE SW END OF BLUE SHADOW LANE, NE OF SAN DIEGO AQUEDUCT. PLANTS FOUND ON BOTH SIDES OF A CHAIN LINK FENCE.						
Ecological:	ANNUAL GRASSLAND WITH ERODIUM CICUTARIUM, AVENA SP, DEINANDRA FASCICULATA, AMBROSIA PSILOSTACHYA, BROMUS SP., AND ISOCOMA MENZIESII.						
General:	2000 STEMS IN 1997, 100 IN 1999, 300 IN 2002, 1000 IN 2003, 450 IN 2004, 840 IN 2005, 900 IN 2007, 1200 IN 2008, 1500 IN 2009, 1950 IN 2011. 10% COVERAGE OF A 10 FT X 10 FT AREA IN 2014. 300+ PLANTS IN 2015. 64 CLUSTERS ESTIMATED IN 2018.						
Owner/Manager:	SDG COUNTY, PVT						

Occurrence No.	41	Map Index:	28488	EO Index:	29731	Element Last Seen:	2018-05-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-05-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-26
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22177 / -117.33296				Accuracy:	specific area	
UTM:	Zone-11 N3675922 E468974				Elevation (ft):	70	
PLSS:	T11S, R04W, Sec. 18, NE (S)				Acres:	3.0	
Location:	JUST SOUTHWEST OF THE INTERSECTION OF EL CAMINO REAL AND HIGHWAY 76, OCEANSIDE.						
Detailed Location:	MAPPED ACCORDING TO 2015 MORSE COORDINATES AND SDMMP DIGITAL DATA, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 18. SOME PLANTS TRANSPLANTED TO OCCURRENCE #65. PORTION POSSIBLY EXTIPATED BY HIGHWAY CONSTRUCTION.						
Ecological:							
General:	1600+ PLANTS IN THIS VICINITY IN 1993. MOST, BUT PERHAPS NOT ALL PLANTS EXTIRPATED BY 1996. POTENTIAL HABITAT, BUT NO PLANTS SEEN IN 2009. SEEN IN 2015 & 2017. EO# 41 & 70 COMBINED: 12,500 INDIVIDUALS IN 2018.						
Owner/Manager:	PVT						



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Occurrence No.	42	Map Index:	28490	EO Index:	29734	Element Last Seen:	1996-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2009-06-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-27
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25865 / -117.23723				Accuracy:	80 meters	
UTM:	Zone-11 N3679986 E477903				Elevation (ft):	200	
PLSS:	T10S, R03W, Sec. 31, SW (S)				Acres:	0.0	
Location:	BONSALL BRIDGE, AT MISSION ROAD AND VISTA AVE (ABOUT 2.2 AIR MILES SSW OF BONSALL).						
Detailed Location:							
Ecological:							
General:	<500 PLANTS OBSERVED IN 1996. SOME PLANTS WERE SALVAGED DURING GRADING IN 1996 TO ALLOW FOR TRANSPLANTATION, OTHERS REMAINED UNDISTURBED. CURRENT LOCATION OF TRANSPLANT STOCK IS UNKNOWN. NO PLANTS FOUND IN 2009. POSSIBLY EXTIRPATED.						
Owner/Manager:	CALTRANS, PVT						

Occurrence No.	43	Map Index:	28489	EO Index:	29732	Element Last Seen:	2017-07-28
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-20
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.30713 / -117.20986				Accuracy:	specific area	
UTM:	Zone-11 N3685356 E480464				Elevation (ft):	200	
PLSS:	T10S, R03W, Sec. 17, SE (S)				Acres:	4.0	
Location:	APPROX 1.5 MILES NE OF BONSALL; BOTH SIDES OF PALA ROAD (HWY 76), EAST AND WEST OF JUNCTION WITH CALLE DE LA VUELTA.						
Detailed Location:	MAPPED AS THREE POLYGONS MOSTLY WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 17.						
Ecological:	IN RUDERAL AREA THAT IS MOWED FREQUENTLY, WITH AVENA AND ERODIUM.						
General:	700 PLANTS ESTIMATED IN 1996. MORE THAN 5000 PLANTS OBSERVED IN 1999. UNKNOWN NUMBER OF PLANTS SEEN IN 2006, 2009, AND 2017.						
Owner/Manager:	CALTRANS ROW						



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Occurrence No.	45	Map Index:	38958	EO Index:	33965	Element Last Seen:	2018-07-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-21
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25289 / -117.24665				Accuracy:	specific area	
UTM:	Zone-11 N3679350 E477025				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 1, NE (S)				Acres:	11.0	
Location:	SOUTH SIDE OF HIGHWAY 76, FROM 0.4 TO 0.75 AIR MILE SW OF INTERSECTION WITH VISTA WAY, OCEANSIDE.						
Detailed Location:	JEFFRIES RANCH, TIMEOUT HOLDINGS, AND STACCO MITIGATION SITES. SEVERAL COLONIES MAPPED BY CNDDB AS 3 POLYGONS. PORTION OF OCCURRENCE SALVAGED AND TRANSPLANTED TO GUAJOME COUNTY PARK.						
Ecological:	NORTH-FACING SLOPE IN RUDERAL NON-NATIVE GRASSLAND WITH SOME NATIVE SPECIES. ARTEMISIA CALIFORNICA - ERIOGONUM FASCICULATUM ALLIANCE, ASSOCIATED WITH MALOSMA LAURINA.						
General:	2000-3000 PLANTS ESTIMATED IN 1997. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000, 2005, 2006, 2008 AND 2009. 20,000 CLUSTERS IN 2016, 8,000 PLANTS IN 2017, 12,500 PLANTS IN 2018. EVIDENCE THAT SOME PLANTS DUG UP & REMOVED (2016).						
Owner/Manager:	CALTRANS						

Occurrence No.	65	Map Index:	85774	EO Index:	86806	Element Last Seen:	2017-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-08-01
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2021-01-22
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.25548 / -117.24105				Accuracy:	specific area	
UTM:	Zone-11 N3679636 E477547				Elevation (ft):	140	
PLSS:	T11S, R03W, Sec. 6, NW (S)				Acres:	1.0	
Location:	BETWEEN HIGHWAY 76 (MISSION ROAD) AND SAN LUIS REY RIVER, 1/4 MILE SW OF EAST VISTA WAY, VISTA.						
Detailed Location:	MARRON RIPARIAN MITIGATION SITE. IN THE NW 1/4 OF THE NW 1/4 OF SECTION 6. WITHIN A QUARTER MILE OF NATURAL OCCURRENCES #42 AND #45.						
Ecological:							
General:	200 ONE GALLON POTTED PLANTS WERE PLANTED HERE IN 2005. SITE WAS "THRIVING" IN 2006 AND WAS "DENSELY POPULATED WITH AMPU STEMS" IN 2009. SEEN IN 2017. PLANTS ORIGINALLY CAME FROM OCCURRENCE #41.						
Owner/Manager:	CALTRANS?						



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Occurrence No.	66	Map Index:	85778	EO Index:	86811	Element Last Seen:	2017-08-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-08-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-21
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.31463 / -117.18838				Accuracy:	specific area	
UTM:	Zone-11 N3686184 E482465				Elevation (ft):	220	
PLSS:	T10S, R03W, Sec. 10, SW (S)				Acres:	1.0	
Location:	ALONG HIGHWAY 76 (PALA RD), 0.4 ROAD MILE EAST OF GIRD ROAD, NORTH OF SAN LUIS REY RIVER, FALLBROOK.						
Detailed Location:	ON THE NORTH SIDE OF THE HIGHWAY. MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 10.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2009, 2016, AND 2017.						
Owner/Manager:	PVT						

Occurrence No.	70	Map Index:	A6893	EO Index:	108674	Element Last Seen:	2018-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-27
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.21489 / -117.33446				Accuracy:	specific area	
UTM:	Zone-11 N3675160 E468832				Elevation (ft):	150	
PLSS:	T11S, R04W, Sec. 18, SE (S)				Acres:	6.0	
Location:	BETWEEN EL CAMINO REAL AND LAS VEGAS DR, ~0.6-0.75 AIR MILE SOUTH OF THE EL CAMINO REAL/HWY 76 INTERCHANGE, OCEANSIDE.						
Detailed Location:	VISTA DE LA VALLE PRESERVE. 3 POLYGONS MAPPED ACCORDING TO 2015 MORSE COORDINATES AND SDMMMP DIGITAL DATA, IN THE SOUTH 1/2 OF THE SE 1/4 OF SECTION 18.						
Ecological:	ARTEMISIA CALIFORNICA AND DEINANDRA FASCICULATA ALLIANCE. CENTAUREA MELITENSIS AND BRASSICA NIGRA ALSO PRESENT.						
General:	AT LEAST 22 PLANTS OBSERVED IN 2015. 1408 PLANTS OBSERVED IN 2016, 1398 PLANTS IN 2017. EO# 41 & 70 COMBINED: 12,500 INDIVIDUALS IN 2018. ALTHOUGH NOT NEAR THE POPULATION, ITINERANT ENCAMPMENTS AND USES COULD THREATEN THE POPULATION.						
Owner/Manager:	CITY OF OCEANSIDE						

Artemisia palmeri					Element Code: PDAST0S160		
San Diego sagewort							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G3?
	State:	None				State:	S3?
	Other:	Rare Plant Rank - 4.2, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	COASTAL SCRUB, CHAPARRAL, RIPARIAN FOREST, RIPARIAN WOODLAND, RIPARIAN SCRUB.					
	Micro:	IN DRAINAGES AND RIPARIAN AREAS IN SANDY SOIL WITHIN CHAPARRAL AND OTHER HABITATS. 15-915 M.					



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Occurrence No.	1	Map Index:	17507	EO Index:	11743	Element Last Seen:	1983-04-22
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1983-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-10-19
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04943 / -117.11099				Accuracy:	80 meters	
UTM:	Zone-11 N3656772 E489637				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 17, NW (S)				Acres:	0.0	
Location:	IMMEDIATELY WEST OF RANCHO BERNARDO, AND ABOUT ONE MILE EAST OF LAKE HODGES DAM.						
Detailed Location:							
Ecological:	IN DRAINAGE BOTTOM IN POST-BURN CHAPARRAL; ROCKY SUBSTRATE, N-FACING SLOPE. SOIL IS BEDROCK / SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM. ASSOC INCLUDE CEANOTHUS VERRUCOSUS, XYLOCOCCUS BICOLOR, RHUS INTEGRIFOLIA, ARTEMISIA CALIFORNICA.						
General:	FEWER THAN 50 PLANTS IN 1983.						
Owner/Manager:	PVT						

Occurrence No.	2	Map Index:	17506	EO Index:	11744	Element Last Seen:	1979-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1979-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-10-18
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03359 / -117.01385				Accuracy:	1/10 mile	
UTM:	Zone-11 N3655011 E498706				Elevation (ft):	650	
PLSS:	T13S, R01W, Sec. 20, NW (S)				Acres:	0.0	
Location:	ABOUT 2.75 AIR MILES NE OF RANCHO BERNARDO.						
Detailed Location:	OFF OF OLD COACH ROAD. MAPPED IN NW1/4 SEC 20 AND NE1/4 SEC 19.						
Ecological:	ALONG SMALL DRAINAGE BOTTOMS AND ARROYOS IN COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, PLATANUS RACEMOSA.						
General:	FEWER THAN 50 PLANTS SEEN IN 1979.						
Owner/Manager:	PVT						



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Occurrence No.	3	Map Index:	17509	EO Index:	11715	Element Last Seen:	1990-07-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-07-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-10-19
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08412 / -117.12262				Accuracy:	specific area	
UTM:	Zone-11 N3660619 E488556				Elevation (ft):		
PLSS:	T12S, R02W, Sec. 31, SE (S)				Acres:	8.0	
Location:	WEST OF DEL DIOS HIGHWAY (56), NORTHWEST OF WESTERN TIP OF LAKE HODGES.						
Detailed Location:	SOUTH OF VIA RANCHO PARKWAY AND DEL DIOS HIGHWAY INTERSECTION. LOCATIONS OF POLYGONS ARE APPROXIMATE; BASED ON POOR MAP DETAIL.						
Ecological:	IN MINOR DRAINAGES AT EAST END OF PROPERTY AND IN SMALL PATCHES ADJACENT TO ROAD. ASSOCIATED WITH SWEET FENNEL AND BACCHARIS SARATHROIDES IN MORE DISTURBED DRAINAGES AND WITH A VARIETY OF NATIVES IN OTHER DRAINAGES.						
General:	ARTEMISIA PALMERI IS DOMINANT IN SOME AREAS. THOUSANDS OF PLANTS SEEN IN 1990. VERY DENSE IN SOME DRAINAGES.						
Owner/Manager:	PVT						
Occurrence No.	5	Map Index:	17511	EO Index:	11717	Element Last Seen:	1985-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1985-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-10-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05617 / -117.18996				Accuracy:	non-specific area	
UTM:	Zone-11 N3657530 E482266				Elevation (ft):	100	
PLSS:	T13S, R03W, Sec. 09 (S)				Acres:	498.8	
Location:	NORTH OF AVENIDA DEL DUQUE AND THE SAN DIEGUITO RESERVOIR; NORTHWEST OF RANCHO SANTA FE.						
Detailed Location:	IN THE ESCONDIDO CREEK FLOODPLAIN.						
Ecological:	IN DRAINAGES. RIPARIAN WOODLAND ASSOCIATED WITH COASTAL SAGE SCRUB.						
General:	FEWER THAN 50 PLANTS REPORTED IN 1985.						
Owner/Manager:	PVT						



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Occurrence No.	6	Map Index:	17508	EO Index:	10054	Element Last Seen:	1983-08-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1983-08-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1991-12-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01245 / -117.17306				Accuracy:	80 meters	
UTM:	Zone-11 N3652680 E483835				Elevation (ft):	65	
PLSS:	T13S, R03W, Sec. 27, SE (S)				Acres:	0.0	
Location:	IMMEDIATELY NORTH OF JUNCTION OF SAN DIEGUITO RIVER AND LUSARDI CREEK, EAST OF THE COMMUNITY OF RANCHO SANTA FE.						
Detailed Location:							
Ecological:	DRY RIVER TERRACE OF LUSARDI CREEK. WEEDY FLOODPLAIN WITH FOENICULUM VULGARE, RUMEX CRISPUS, MALACOTHAMNUS FASCICULATUS, ARTEMISIA CALIFORNICA.						
General:	FEWER THAN 10 PLANTS REPORTED IN 1983.						
Owner/Manager:	PVT						
Occurrence No.	21	Map Index:	21343	EO Index:	8513	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11062 / -117.26949				Accuracy:	non-specific area	
UTM:	Zone-11 N3663582 E474856				Elevation (ft):	280	
PLSS:	T12S, R04W, Sec. 23, SE (S)				Acres:	4.8	
Location:	JUST E OF EL CAMINO REAL, APPROX. 1.8 AIR MILES NORTH OF EL CAMINO REAL/LA COSTA AVE. INTERSECTION.						
Detailed Location:	MAPPED IN SW1/4 OF SE1/4 SEC 23.						
Ecological:	COMMON IN DRAINAGE SURROUNDED BY CHAPARRAL.						
General:	MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	24	Map Index:	41401	EO Index:	41401	Element Last Seen:	1995-04-04
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1995-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1999-07-30
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04635 / -117.01236				Accuracy:	specific area	
UTM:	Zone-11 N3656425 E498846				Elevation (ft):	1100	
PLSS:	T13S, R01W, Sec. 17, NW (S)				Acres:	3.8	
Location:	SOUTH OF HIGHLAND VALLEY ALONG DRAINAGE ABOUT 3.4 AIR MI NE OF RANCHO BERNARDO RD AT POMERADO RD; NE OF RANCHO BERNARDO.						
Detailed Location:	THREE COLONIES ALONG EPHEMERAL STREAM MAPPED WITHIN THE SW 1/4 NW 1/4 OF SECTION 17.						
Ecological:	ALONG EPHEMERAL DRAINAGE ADJACENT TO HIGH QUALITY DIEGAN COASTAL SAGE SCRUB DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA. AREA HAS MASSIVE BOULDERS PROVIDING SHELTER AND MESIC CONDITIONS FOR THIS SPECIES.						
General:	ABOUT 40 PLANTS OBSERVED IN 1995. OVERALL SITE SUPPORTS A LARGE NUMBER OF SENSITIVE SPECIES.						
Owner/Manager:	PVT						

Occurrence No.	25	Map Index:	41402	EO Index:	41402	Element Last Seen:	1998-08-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-08-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1999-07-30
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01766 / -117.02373				Accuracy:	specific area	
UTM:	Zone-11 N3653244 E497783				Elevation (ft):	650	
PLSS:	T13S, R01W, Sec. 30, N (S)				Acres:	4.3	
Location:	EAST OF GREEN VALLEY, ON NE SIDE OF BEND IN ESPOLA RD, 0.4 MI E OF ESPOLA RD AT OLD COACH RD, EAST OF RANCHO BERNARDO.						
Detailed Location:	FOUR COLONIES MAPPED; ONE LOCATED ON NORTH-FACING SLOPE SOUTH OF SYCAMORE CREEK; THE OTHER THREE ON NORTH-FACING SLOPE ABOVE OAK WOODLAND. MAPPED WITHIN THE NORTHERN HALF OF SECTION 30.						
Ecological:	IN DIEGAN COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, MALOSMA LAURINA, ERIOGONUM FASCICULATUM AND IN CHAMISE CHAPARRAL WITH ADENOSTOMA FASCICULATUM AND MALOSMA LAURINA. SPECIES ALSO PRESENT IN UNDERSTORY OF RIPARIAN AREA ALONG CREEK.						
General:	ABOUT 100 PLANTS OBSERVED AT WESTERN COLONY IN 1998; ABOUT 100 PLANTS OBSERVED AT THREE EASTERN COLONIES IN 1997. CALIFORNIA GNATCATCHER ALSO OBSERVED AT SITE IN 1998.						
Owner/Manager:	PVT						



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Occurrence No.	26	Map Index:	41403	EO Index:	41403	Element Last Seen:	1998-08-13
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1998-08-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1999-07-30
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00018 / -117.04759				Accuracy:	specific area	
UTM:	Zone-11 N3651307 E495554				Elevation (ft):	900	
PLSS:	T13S, R02W, Sec. 36, SW (S)				Acres:	5.3	
Location:	BETWEEN GREEN VALLEY AND TWIN PEAKS; ABOUT 0.5 MI EAST OF POMERADO RD; 0.3 MI SOUTH OF STONE CANYON RD; EAST OF POWAY.						
Detailed Location:	ON NORTH SLOPE OF SMALL MOUNTAIN LOCATED JUST SE OF RANCHO BERNARDO. MAPPED MOSTLY WITHIN THE NW 1/4 SW 1/4 OF SECTION 36.						
Ecological:	MESIC CHAPARRAL WITH ADENOSTOMA FASCICULATUM, QUERCUS AGRIFOLIA, Q. BERBERIDIFOLIA, ET AL.						
General:	1000+ PLANTS OBSERVED IN 1998.						
Owner/Manager:	PVT						

Occurrence No.	36	Map Index:	70280	EO Index:	71169	Element Last Seen:	1999-07-03
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1999-07-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-10-19
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08510 / -117.13335				Accuracy:	specific area	
UTM:	Zone-11 N3660729 E487554				Elevation (ft):		
PLSS:	T12S, R02W, Sec. 31, SW (S)				Acres:	0.0	
Location:	WEST OF DEL DIOS HIGHWAY (56), APPROX. 1.1 AIR MILES NORTHWEST OF WESTERN TIP OF LAKE HODGES.						
Detailed Location:	LOCATIONS OF POLYGONS ARE APPROXIMATE; BASED ON POOR MAP DETAIL.						
Ecological:	IN MINOR DRAINAGES AT EAST END OF PROPERTY AND IN SMALL PATCHES ADJACENT TO ROAD. ASSOCIATED WITH SWEET FENNEL AND BACCHARIS SARATHROIDES IN MORE DISTURBED DRAINAGES AND WITH A VARIETY OF NATIVES IN OTHER DRAINAGES.						
General:	ARTEMISIA PALMERI IS DOMINANT IN SOME AREAS. THOUSANDS OF PLANTS SEEN IN 1990. VERY DENSE IN SOME DRAINAGES.						
Owner/Manager:	PVT						

Baccharis vanessae					Element Code: PDAST0W0P0		
Encinitas baccharis							
Listing Status:	Federal:	Threatened			CNDDDB Element Ranks:	Global:	G1
	State:	Endangered				State:	S1
	Other:	Rare Plant Rank - 1B.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND.					
	Micro:	ON SANDSTONE SOILS IN STEEP, OPEN, ROCKY AREAS WITH CHAPARRAL ASSOCIATES. 60-900 M.					



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Occurrence No.	1	Map Index:	03559	EO Index:	10071	Element Last Seen:	2018-07-19
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2018-07-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-06-06	
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04864 / -117.26506			Accuracy:	specific area		
UTM:	Zone-11 N3656710 E475253			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 14, N (S)			Acres:	35.0		
Location:	FROM OAK CREST PARK EXTENDING NORTH ABOUT 0.7 MILE, EAST OF ENCINITAS.						
Detailed Location:	REMAINING POPULATION IS THOUGHT TO BE CONFINED TO OAK CREST PARK JUST SOUTH OF ENCINITAS BLVD. MAPPED AS 5 POLYGONS ACCORDING TO 1980 BEAUCHAMP MAP, 1989 REISER MAPS, 2014 MORSE COORDINATES, & SDMMMP DIGITAL DATA.						
Ecological:	CHAMISE CHAPARRAL WITH CEANOTHUS VERRUCOSUS, ADENOSTOMA FASCICULATUM, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA. DENDROMECON RIGIDA IS ALSO PRESENT.						
General:	TYPE LOCALITY. 150 PLANTS PRIOR TO 1980 BETWEEN THIS EO AND EO#4; 50-80 IN 1985. OAK CREST PARK: 1 IN 1989, 9-30 PLANTS ON UNKNOWN DATE (PRIOR TO 1996), 17 IN 2010, 20+ IN 2014, 17 IN 2016, 34 IN 2017, SEEN IN 2018. INCL FORMER EO #2 & #3.						
Owner/Manager:	CITY OF ENCINITAS, PVT						

Occurrence No.	4	Map Index:	03579	EO Index:	27513	Element Last Seen:	1979-XX-XX
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:		1997-02-19	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-02-09	
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05136 / -117.25635			Accuracy:	specific area		
UTM:	Zone-11 N3657010 E476067			Elevation (ft):	200		
PLSS:	T13S, R04W, Sec. 11, SE (S)			Acres:	31.0		
Location:	NORTH SIDE OF ENCINITAS BLVD AND EAST OF EL CAMINO REAL.						
Detailed Location:	MAPPED AS 4 POLYGONS ACCORDING TO A 1980 BEAUCHAMP MAP. TRANSLOCATION EFFORT MADE AT THIS SITE (REPORTED AT 1996 DFG RECOVERY WORKSHOP).						
Ecological:	ON ALLUVIAL HEURHEURO SOIL WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, CEANOTHUS VERRUCOSUS, AND ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA.						
General:	OBSERVED AT THIS SITE IN 1978 AND 1979. SITE BELIEVED TO HAVE BEEN COMPLETELY, OR NEARLY COMPLETELY, EXTIRPATED BY 1981. NO PLANTS OBSERVED AT THIS SITE IN 1997; BOTH NATURAL POPULATION AND TRANSPLANT PRESUMED EXTIRPATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	7	Map Index:	03994	EO Index:	13903	Element Last Seen:	1992-05-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1992-05-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-02-15		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05523 / -117.13332			Accuracy:	specific area		
UTM:	Zone-11 N3657418 E487554			Elevation (ft):	1200		
PLSS:	T13S, R02W, Sec. 7, SW (S)			Acres:	52.0		
Location:	BETWEEN LAKE HODGES AND MOUNT ISRAEL ROAD, ABOUT 0.8 AIR MILE NNW OF HODGES DAM.						
Detailed Location:	MAPPED AS 6 POLYGONS ACCORDING TO A 1984 BEAUCHAMP MAP, A 1986 VANDERWIER MAP, AND REGSS DIGITAL DATA (FROM 1992).						
Ecological:	ON SAN MIGUEL-EXCHEQUER SOIL IN DENSE MIXED CHAPARRAL ASSOCIATED WITH ADENOSTOMA FASCICULATUM, XYLORHIZA BICOLOR, CEANOTHUS VERRUCOSUS, MIMULUS, SALVIA MELLIFERA, AND ERIODICTYON CRASSIFOLIUM.						
General:	700 PLANTS BETWEEN THIS OCC AND OCC #8 SOMETIME PRIOR TO 1980. 77 PLANTS OBSERVED IN 1986. UNKNOWN NUMBER OBSERVED IN 1989. SE-MOST POLYGON HAD 7 PLANTS IN 1992. INCLUDES FORMER OCCURRENCES 11, 13, AND 14.						
Owner/Manager:	PVT						
Occurrence No.	8	Map Index:	03990	EO Index:	20413	Element Last Seen:	2017-09-20
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2017-09-20		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2019-06-06		
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06468 / -117.12837			Accuracy:	specific area		
UTM:	Zone-11 N3658465 E488017			Elevation (ft):	800		
PLSS:	T13S, R02W, Sec. 7, NW (S)			Acres:	24.0		
Location:	JUST NORTH OF MOUNT ISRAEL ROAD, ABOUT 1.3 AIR MILES NORTH OF HODGES DAM, DEL DIOS HIGHLANDS PRESERVE.						
Detailed Location:	HELIX/LAMBRON ADDITION TO DEL DIOS HIGHLANDS PRESERVE. MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO A 1980 AMERICAN PACIFIC ENVIRONMENTAL CONSULTANTS MAP, 2011 DUDEK MAP AND SDMMMP DIGITAL DATA.						
Ecological:	NORTH-FACING SLOPE. DENSE SAGE SCRUB/CHAPARRAL ECOTONE. CEANOTHUS VERRUCOSUS ALLIANCE AND ASSOCIATION. ASSOCIATES ALSO INCLUDE ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, RHUS INTEGRIFOLIA, XYLOCOCCUS BICOLOR, SALVIA MELLIFERA, ETC.						
General:	150-300 PLANTS OBSERVED IN 1979. 100 SHRUBS IN 1993. 75 SHRUBS IN 1998. NORTHERN POLYGON: 310 PLANTS OBSERVED IN 2010/2011, 250 PLANTS ESTIMATED IN 2015, 344 PLANTS IN 2017.						
Owner/Manager:	SDG COUNTY?						



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Occurrence No.	9	Map Index:	04140	EO Index:	19982	Element Last Seen:	2005-11-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-11-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.0533 / -117.09759				Accuracy:	specific area	
UTM:	Zone-11 N3657200 E490889				Elevation (ft):	800	
PLSS:	T13S, R02W, Sec. 9, SW (S)				Acres:	25.0	
Location:	SOUTH OF LAKE HODGES, 2.5 KM WEST OF BATTLE MOUNTAIN.						
Detailed Location:	WITHIN 4S RANCH PROPERTY. MAPPED AS 11 POLYGONS ACCORDING TO 1983 WIER MAP, 1992 DUDEK MAP, AND SAN DIEGO COUNTY DIGITAL DATA.						
Ecological:	IN BURNED MIXED CHAPARRAL ON CIENEBA ROCKY COARSE SANDY LOAM. ASSOCIATED WITH MIMULUS PUNICEUS, GNAPHALIUM CALIFORNICUM, AND XYLOCOCCUS BICOLOR. OCCURRENCE BURNED IN 1943, 1981, AND 2007.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 1983. 12 SCATTERED INDIVIDUALS REPORTED BY OBERBAUER (SEEN IN THE 1990'S?). "A FEW INDIVIDUALS" OBSERVED IN 1991. 34 PLANTS OBSERVED IN 2005.						
Owner/Manager:	PVT						

Occurrence No.	10	Map Index:	04122	EO Index:	17212	Element Last Seen:	1991-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-13
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03205 / -117.10065				Accuracy:	specific area	
UTM:	Zone-11 N3654844 E490601				Elevation (ft):	1100	
PLSS:	T13S, R02W, Sec. 21, NW (S)				Acres:	14.0	
Location:	SOUTH OF LAKE HODGES ABOUT 1.3 MILES NW OF 4-S RANCH ON TOPO, 0.85 MILE NORTH OF BLACK MOUNTAIN ROAD.						
Detailed Location:	ON 4S RANCH PROPERTY. SITE TO BE IN DEDICATED OPEN SPACE UNDER THE CURRENT PLAN FOR THE 4S RANCH (1996).						
Ecological:	IN BURNED MIXED CHAPARRAL ON CIENEBA ROCKY COARSE SANDY LOAM. ASSOCIATED WITH MIMULUS PUNICEUS, GNAPHALIUM CALIFORNICUM, AND XYLOCOCCUS BICOLOR.						
General:	IN 1989 CONVERSATION WITH C. REISER, POPULATION NOTED TO BE LARGE, WITH NO SERIOUS DISTURBANCE (POSSIBLY REFERENCING EO #9 & #10 COMBINED). UNKNOWN NUMBER OF PLANTS IN 1983 AND 1991.						
Owner/Manager:	PVT						



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Occurrence No.	16	Map Index:	22662	EO Index:	20416	Element Last Seen:	1991-08-06
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1991-08-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05971 / -117.15392				Accuracy:	specific area	
UTM:	Zone-11 N3657917 E485631				Elevation (ft):	1000	
PLSS:	T13S, R03W, Sec. 11, NE (S)				Acres:	12.0	
Location:	NORTHWEST OF LAKE HODGES, 3 KM FROM THE SPILLWAY AND 1.8 KM NORTH OF DEL DIOS ROAD.						
Detailed Location:							
Ecological:	GROWING ON STEEP, ROCKY, OPEN SLOPES IN ASSOCIATION WITH TOXICODENDRON, RHUS INTEGRIFOLIA, MALSOMA LAURINA, XYLOCOCCUS BICOLOR, DIPLACUS SP., LOTUS SCOPARIUS, CNEORIDIUM DUMOSUM, CALYSTEGIA MACROSTEGIA, LONICERA SUBSPICATA, AND QUERCUS SP.						
General:	413 PLANTS SEEN IN 1991. THE DEVELOPER HAS BEEN OFFERED OPTIONS WHICH WILL SAVE AS MANY PLANTS AS POSSIBLE. MT ISRAEL AREA BURNED IN 1990.						
Owner/Manager:	PVT-PACIFIC CIELO DEV INC						

Occurrence No.	17	Map Index:	22659	EO Index:	20414	Element Last Seen:	2017-09-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-09-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-06-10
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07832 / -117.12962				Accuracy:	specific area	
UTM:	Zone-11 N3659977 E487902				Elevation (ft):	1000	
PLSS:	T13S, R02W, Sec. 6, N (S)				Acres:	93.0	
Location:	NORTHWEST OF LAKE HODGES, JUST WEST OF DEL DIOS.						
Detailed Location:	MAPPED AS 7 POLYGONS ACCORDING TO 1991 AND 1999 MAP DATA, AND DIGITAL DATA FROM REGSS, MORSE, AND SDMMMP. MT ISRAEL AREA BURNED IN 1990. 1999 HENDRICKS COLLECTION FROM THE SE 1/4 OF SECTION 1 IS ALSO ATTRIBUTED HERE.						
Ecological:	FOUND ON NORTH-FACING SLOPES IN SOMEWHAT OPEN, ROCKY AREAS. ASSOCIATES INCLUDE SALVIA MELLIFERA, CEANOTHUS VERROCOSUS, XYLOCOCCUS BICOLOR, CNEORIDIUM DUMOSUM, ADENOSTOMA FASCICULARUM, AND RHUS INTEGRIFOLIA. BURNED IN 2007.						
General:	106 PLANTS IN 1991, 268 PLANTS IN 1999. PORTIONS OF NE-MOST POLYGON: 125 PLANTS IN 2001, 169 PLANTS IN 2002. ELFIN FOREST: 49 PLANTS IN 2002, 5+ PLANTS IN 2014, 49 PLANTS IN 2016, 154 IN 2017. INCLUDES FORMER EO #18, 19 & 23.						
Owner/Manager:	OLIVENHAIN MWD, SDG COUNTY						



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Occurrence No.	20	Map Index:	22025	EO Index:	1719	Element Last Seen:	1992-08-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1992-08-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07321 / -117.27194				Accuracy:	80 meters	
UTM:	Zone-11 N3659436 E474617				Elevation (ft):	260	
PLSS:	T13S, R04W, Sec. 02, NW (S)				Acres:	0.0	
Location:	ABOUT 0.9 MILE SOUTH OF BATIQUITOS LAGOON, 0.5 MILE DUE NORTH OF EASTERN TERMINUS OF WOODLEY ROAD.						
Detailed Location:							
Ecological:	S-FACING SLOPE WITH ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, CEANOTHUS VERRUCOSUS, CNEORIDIUM DUMOSUM, CORETHROGYNE FILAGINIFOLIA LINIFOLIA, COMAROSTAPHYLIS DIVERSIFOLIA.						
General:	36 PLANTS SEEN IN 1992. SITE MAY EXTEND SOUTH TO OCCURRENCE #21 (JUST SOUTH OF LEUCADIA ROAD); SOURCE IS UNCLEAR (REGSS 2002).						
Owner/Manager:	PVT						

Occurrence No.	21	Map Index:	22026	EO Index:	1716	Element Last Seen:	2017-06-22
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-06-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-06-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06794 / -117.27114				Accuracy:	specific area	
UTM:	Zone-11 N3658851 E474691				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 2, SW (S)				Acres:	2.0	
Location:	ABOUT 1.4 MILES SOUTH OF BATIQUITOS LAGOON, 0.5-0.6 MI DUE WEST OF INTERSECTION OF EL CAMINO REAL AND OLIVENHAIN ROAD.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO A 1992 MESSINA MAP, 2015 MORSE DIGITAL DATA, 2017 MULLIGAN COORDINATES, AND SAN DIEGO MANAGEMENT AND MONITORING PROGRAM (SDMMP) DIGITAL DATA.						
Ecological:	WITH ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, CEANOTHUS VERRUCOSUS, CNEORIDIUM DUMOSUM, AND CORETHROGYNE FILAGINIFOLIA LINIFOLIA.						
General:	13 PLANTS IN 1992. E POLYGON: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015 (POSSIBLY <10), 12 SHRUBS IN 2017. SITE MAY EXTEND NORTH TO OCC #20 (NORTH OF LEUCADIA ROAD); SOURCE IS UNCLEAR (REGSS 2002).						
Owner/Manager:	PVT						



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Occurrence No.	27	Map Index:	28619	EO Index:	29900	Element Last Seen:	2008-02-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-02-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-13
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03343 / -117.26157			Accuracy:	non-specific area		
UTM:	Zone-11 N3655024 E475574			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 23, NE (S)			Acres:	27.0		
Location:	BETWEEN LUX CANYON AND CREST DRIVE, SOUTH OF ENCINITAS BOULEVARD.						
Detailed Location:	MAPPED AS 3 NON-SPECIFIC POLYGONS BASED ON A 1992 REISER COLLECTION, 1996 RECOVERY WORKSHOP SITE DESCRIPTION, REGSS DIGITAL DATA, AND A MAP FOR ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIUS WITH B. VANESSAE MENTIONED AS AN ASSOCIATE.						
Ecological:	ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA ALSO AT THIS SITE.						
General:	HOGAN & BEAUCHAMP MENTIONED 1 PLANT WAS IN OPEN SPACE S OF SANTA FE DR & 1 PLANT WAS GROWING BEHIND TENNIS COURTS (SOUTH POLYGON); DATE OBSERVED UNKNOWN. N POLYGON: 1 IN 1992, OBSERVED IN 2008. 99 IN MIDDLE POLY IN 1994. NEED MAP DETAIL.						
Owner/Manager:	UNKNOWN						

Occurrence No.	28	Map Index:	71097	EO Index:	35422	Element Last Seen:	1997-03-21
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1997-03-21
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2017-02-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05262 / -117.28017			Accuracy:	non-specific area		
UTM:	Zone-11 N3657155 E473842			Elevation (ft):	240		
PLSS:	T13S, R04W, Sec. 10, SE (S)			Acres:	20.0		
Location:	EAST SIDE OF QUAIL BOTANICAL GARDEN.						
Detailed Location:	TRANSPLANT SITE.						
Ecological:							
General:	1996 USFWS FEDERAL REGISTER NOTICE INDICATED THIS TRANSPLANT SITE FAILED "SHORTLY AFTER THE MONITORING PERIOD ENDED" BUT 6 FEMALE PLANTS REPORTED BY MILLER & BEAUCHAMP AT 1996 DFG RECOVERY WORKSHOP. ONLY 1 PLANT REPORTED BY BEASELY IN 1997.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	29	Map Index:	22002	EO Index:	35424	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1997-02-19
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2017-02-15
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99849 / -117.23490			Accuracy:	non-specific area		
UTM:	Zone-11 N3651144 E478056			Elevation (ft):	300		
PLSS:	T13S, R03W, Sec. 31 (S)			Acres:	128.8		
Location:	SAN DIEGUITO COUNTY PARK, EAST OF SOLANA BEACH.						
Detailed Location:	IT IS BELIEVED THAT THIS TRANSLOCATION EFFORT FAILED-NO PLANTS WERE FOUND IN 1997.						
Ecological:							
General:	34 INDIVIDUALS TRANSPLANTED HERE, LIKELY IN THE LATE 1970S OR 1980. 1996 USFWS FEDERAL REGISTER NOTICE INDICATES THIS POPULATION HAS NOT PERSISTED. SITE VISITED BY D. HICKSON, S. LACY, J. DICE AND J. VANDERWIER IN 1997, NO PLANTS FOUND.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	31	Map Index:	61447	EO Index:	61483	Element Last Seen:	1999-03-24
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1999-03-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06497 / -117.14751			Accuracy:	80 meters		
UTM:	Zone-11 N3658500 E486230			Elevation (ft):	800		
PLSS:	T13S, R03W, Sec. 12, NW (S)			Acres:	0.0		
Location:	1.7 MILES NORTHWEST OF LAKE HODGES SPILLWAY, 1.5 MILES SOUTH OF SAN ELIJO CANYON.						
Detailed Location:	NE 1/4 OF NE 1/4 OF NW 1/4 OF SECTION 12.						
Ecological:	STEEP, ROCKY SLOPES. FOUND WITH ADENOSTOMA FASCICULATUM, CEANOTHUS TOMENTOSUS, CNEORIDIUM DUMOSUM, AND XYLOCOCCUS BICOLOR.						
General:	1 PLANT SEEN AT THIS SITE IN 1999.						
Owner/Manager:	PVT?						



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Occurrence No.	32	Map Index:	61477	EO Index:	61513	Element Last Seen:	2017-09-11
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-09-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-06-06
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06319 / -117.17368				Accuracy:	specific area	
UTM:	Zone-11 N3658306 E483787				Elevation (ft):	390	
PLSS:	T13S, R03W, Sec. 10, NE (S)				Acres:	3.0	
Location:	NORTHWEST SIDE OF ESCONDIDO CREEK; 0.4 MI NE FROM CROSSING OF CREEK AND SECOND SAN DIEGO AQUEDUCT.						
Detailed Location:	NE 1/4 OF NE 1/4 OF SECTION 10. SITE NOW LOOKS TO BE PART OF THE ESCONDIDO CREEK CONSERVANCY.						
Ecological:	COAST LIVE OAK WOODLAND/SOUTHERN MIXED CHAPARRAL COMMUNITY. FOUND WITH QUERCUS BERBERIDIFOLIA, TOXICODENDRON DIVERSILOBUM, ADOLPHIA CALIFORNICA (ALSO RARE), MIMULUS AURANTIACUS, ADENOSTOMA FASCICULATUM, CEANOTHUS VERRUCOSUS, ET AL.						
General:	26 PLANTS OBSERVED IN 1999. 31 PLANTS OBSERVED IN 2000. 28 PLANTS ESTIMATED IN 2016. 39 PLANTS OBSERVED IN 2017.						
Owner/Manager:	PVT						

Occurrence No.	36	Map Index:	A3632	EO Index:	105268	Element Last Seen:	1976-12-15
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1976-12-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13314 / -117.20837				Accuracy:	1/5 mile	
UTM:	Zone-11 N3666067 E480564				Elevation (ft):	550	
PLSS:	T12S, R03W, Sec. 17, NE (S)				Acres:	70.0	
Location:	200 YARDS NORTH OF RANCHO SANTA FE ROAD FROM INTERSECTION OF SAN MARCOS AND RANCHO SANTA FE ROAD.						
Detailed Location:	MAPPED AS BEST GUESS BASED ON ABOVE LOCATION DESCRIPTION.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1976 FULLER COLLECTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	38	Map Index:	A3668	EO Index:	105304	Element Last Seen:	2015-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-09
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03036 / -117.14303				Accuracy:	3/5 mile	
UTM:	Zone-11 N3654662 E486644				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 24 (S)				Acres:	776.0	
Location:	SANTA FE VALLEY, MS RIALTO TO THE LAKES CA LLC.						
Detailed Location:	MAPPED BY CNDDB AS BEST GUESS AROUND THE AREAS DESIGNATED BY SDMMP AS "MS RIALTO TO THE LAKES CA LLC" PROPERTY.						
Ecological:							
General:	FEWER THAN 10 PLANTS OBSERVED IN 2015. NEED MAP DETAIL.						
Owner/Manager:	PVT						



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Chaenactis glabriuscula* var. *orcuttiana

Element Code: PDAST20095

Orcutt's pincushion

Listing Status: **Federal:** None **CNDDDB Element Ranks:** **Global:** G5T1
State: None **State:** S1
Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat: **General:** COASTAL BLUFF SCRUB, COASTAL DUNES.
Micro: SANDY SITES. 3-80 M.

Occurrence No. 9 **Map Index:** 47534 **EO Index:** 47534 **Element Last Seen:** 2015-05-22
Occ. Rank: Fair **Presence:** Presumed Extant **Site Last Seen:** 2015-05-22
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-06-20

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.00318 / -117.27733 **Accuracy:** specific area
UTM: Zone-11 N3651674 E474094 **Elevation (ft):** 20
PLSS: T13S, R04W, Sec. 34, N (S) **Acres:** 6.0

Location: JUST EAST OF HIGHWAY 101 AT SOUTH END OF SAN ELIJO LAGOON, SOLANA BEACH.

Detailed Location: MAPPED AS 3 POLYGONS ACCORDING TO 2010 LAGRANGE COORDINATES, 2015 MORSE COORDINATES, AND DIGITAL DATA FROM CNPS AND BOHAC.

Ecological: SANDY AREA. WEEDY DUNE SCRUB. ASSOCIATED WITH ERODIUM, ACMISPON GLABER, CAMISSONIOPSIS CHEIRANTHIFOLIA, LEPIDIUM VIRGINICUM VAR. ROBINSONII, PSEUDOGNAPHALIUM, JUNCUS ACUTUS, CAKILE MARITIMA, ISOCOMA MENZIESII, FRANKENIA SALINA, ETC.

General: NORTHERN POLYGON: HUNDREDS OF PLANTS ON THE ROAD BERM IN 2010. MIDDLE POLYGON: 225,600 PLANTS ESTIMATED IN 2012, 250 IN 2014, 2256 IN 2015. SOUTHERN POLYGON: 300 PLANTS OBSERVED IN 2015. HISTORIC COLLECTIONS FROM SOLANA BEACH ATTRIB HERE.

Owner/Manager: DFG-SAN ELIJO LAGOON ER

Occurrence No. 13 **Map Index:** 20143 **EO Index:** 47538 **Element Last Seen:** 1938-06-23
Occ. Rank: None **Presence:** Possibly Extirpated **Site Last Seen:** 1938-06-23
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-06-14

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.04024 / -117.29576 **Accuracy:** non-specific area
UTM: Zone-11 N3655787 E472383 **Elevation (ft):** 50
PLSS: T13S, R04W, Sec. 16 (S) **Acres:** 292.0

Location: ENCINITAS.

Detailed Location: MAPPED VERY GENERALLY ALONG BEACHES NEAR ENCINITAS; COLLECTIONS VERY VAGUE.

Ecological: ON SANDY BEACH, BLUFF, AND ROADSIDE. CLIFFS FACING THE OCEAN.

General: SITE BASED ON SEVERAL HISTORIC COLLECTIONS. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Occurrence No.	14	Map Index:	A0648	EO Index:	47539	Element Last Seen:	1941-06-16
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1941-06-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-20
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15315 / -117.34964				Accuracy:	non-specific area	
UTM:	Zone-11 N3668320 E467395				Elevation (ft):		
PLSS:	T12S, R05W, Sec. 12 (S)				Acres:	158.0	
Location:	NEAR CARLSBAD.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ALONG THE COAST AREA NEAR CARLSBAD.						
Ecological:	BEACH BLUFF. BASE OF OCEAN BLUFF.						
General:	SITE BASED ON HISTORIC COLLECTIONS. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	15	Map Index:	79012	EO Index:	47540	Element Last Seen:	1933-04-03
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1933-04-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-14
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.19070 / -117.38110				Accuracy:	non-specific area	
UTM:	Zone-11 N3672493 E464475				Elevation (ft):	20	
PLSS:	T11S, R05W, Sec. 26 (S)				Acres:	109.0	
Location:	OCEANSIDE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ALONG BEACH NEAR OCEANSIDE.						
Ecological:	ON SEA BLUFFS.						
General:	SITE BASED ON A 1920 MUNZ COLLECTION, A 1927 HOWELL COLLECTION, AND A 1933 ANDERSON COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	16	Map Index:	44537	EO Index:	47541	Element Last Seen:	1885-04-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1885-04-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-04-03
Quad Summary:	Bonsall (3311732), Morro Hill (3311733), Temecula (3311742), Fallbrook (3311743)						
County Summary:	San Diego						
Lat/Long:	33.37646 / -117.25196				Accuracy:	1 mile	
UTM:	Zone-11 N3693051 E476563				Elevation (ft):	700	
PLSS:	T09S, R04W, Sec. 24 (S)				Acres:	0.0	
Location:	FALLBROOK.						
Detailed Location:							
Ecological:	IN OAK WOODS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1885 CLEVELAND COLLECTION. THIS LOCATION IS MORE INLAND THAN THE MAJORITY OF SITES FOR THIS PLANT; NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	31	Map Index:	A0569	EO Index:	102126	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00467 / -117.25938				Accuracy:	specific area	
UTM:	Zone-11 N3651834 E475771				Elevation (ft):	150	
PLSS:	T13S, R04W, Sec. 35, NE (S)				Acres:	4.0	
Location:	WEST SIDE OF I-5 ABOUT 0.4 TO 0.6 MILE SOUTH OF ITS JUNCTION WITH MANCHESTER AVENUE, SOUTH SIDE OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO A 2004 EDAW AND 2008 CALTRANS REPORT.						
Ecological:							
General:	IN 2003, SOUTHERN POLYGON HAD 100 PLANTS AND NORTHERN POLYGON HAD 375 PLANTS.						
Owner/Manager:	SDG COUNTY, UNKNOWN						

Occurrence No.	32	Map Index:	A0570	EO Index:	102131	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00911 / -117.26373				Accuracy:	specific area	
UTM:	Zone-11 N3652328 E475366				Elevation (ft):	40	
PLSS:	T13S, R04W, Sec. 26, SE (S)				Acres:	3.0	
Location:	BOTH SIDES OF I-5 JUST SOUTH OF ITS JUNCTION WITH MANCHESTER AVENUE, SAN ELIJO LAGOON.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO A 2004 EDAW AND 2008 CALTRANS REPORT.						
Ecological:							
General:	IN 2003, WESTERN POLYGON HAD 75 PLANTS AND EASTERN POLYGON HAD 17 PLANTS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	33	Map Index:	A0575	EO Index:	102133	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-20
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01431 / -117.26599				Accuracy:	specific area	
UTM:	Zone-11 N3652905 E475156				Elevation (ft):	150	
PLSS:	T13S, R04W, Sec. 26 (S)				Acres:	12.0	
Location:	BOTH SIDES OF I-5 JUST NORTH OF ITS JUNCTION WITH MANCHESTER AVENUE, NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED AS 7 POLYGONS ACCORDING TO A 2004 EDAW AND 2008 CALTRANS REPORT.						
Ecological:							
General:	IN 2003, APPROXIMATELY 1800 PLANTS WERE OBSERVED ACROSS THE SITE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	34	Map Index:	A0578	EO Index:	102136	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.0207 / -117.27265				Accuracy:	specific area	
UTM:	Zone-11 N3653615 E474536				Elevation (ft):	135	
PLSS:	T13S, R04W, Sec. 26, NW (S)				Acres:	5.0	
Location:	EAST SIDE OF I-5 APPROXIMATELY 0.85 ROAD MILE NORTH OF ITS JUNCTION WITH MANCHESTER AVENUE, NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO A 2004 EDAW AND 2008 CALTRANS REPORT.						
Ecological:							
General:	IN 2003, NORTHERN POLYGON HAD ABOUT 1000 PLANTS AND SOUTHERN POLYGON HAD 800 PLANTS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	35	Map Index:	A0581	EO Index:	102138	Element Last Seen:	2015-03-18
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-03-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08217 / -117.3103				Accuracy:	specific area	
UTM:	Zone-11 N3660440 E471040				Elevation (ft):	60	
PLSS:	T12S, R04W, Sec. 33, SW (S)				Acres:	5.0	
Location:	SOUTH AND WEST OF SOUTH PONTO BEACH PARKING LOT, FAR SW END OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 2015 KENTNER DIGITAL DATA. WESTERN POLYGON IS ON SOUTH CARLSBAD STATE BEACH. EASTERN POLYGON IS ON PRIVATE LAND.						
Ecological:	NEAR COMPASS ROSETTE WALKWAY AND IN A SANDY EXCAVATION ON THE MESA SOUTH OF THE PARKING LOT. ASSOCIATED WITH ACMISPON GLABER, ISOCOMA MENZIESII VAR. VERNONIDES, BROMUS DIANDRUS, B. MADRITENSIS SSP. RUBENS, LIMONIUM PEREZII, ETC.						
General:	WESTERN POLYGON: ABOUT 250 PLANTS OBSERVED IN 2015; THESE ARE SOLID VAR. ORCUTTIANA. EASTERN POLYGON: 1000 PLANTS IN 2015; THESE ARE A MIX OF VAR. ORCUTTIANA AND INTERMEDIATES.						
Owner/Manager:	DPR, PVT						

Leptosyne maritima					Element Code: PDAST2L0L0		
sea dahlia							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G2
	State:	None				State:	S1S2
	Other:	Rare Plant Rank - 2B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	COASTAL SCRUB, COASTAL BLUFF SCRUB.					
	Micro:	OCCURS ON A VARIETY OF SOIL TYPES, INCLUDING SANDSTONE. 5-185 M.					



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Occurrence No.	17	Map Index:	36627	EO Index:	31624	Element Last Seen:	2000-05-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-26
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06630 / -117.17155				Accuracy:	specific area	
UTM:	Zone-11 N3658650 E483985				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 03, SE (S)				Acres:	14.0	
Location:	ALONG ESCONDIDO CREEK, ABOUT 2 AIR MILES NORTHEAST OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS BASED ON A 2000 MESSINA MAP, MOSTLY IN THE SE 1/4 OF SECTION 3.						
Ecological:	ROCK OUTCROPS. FOUND WITH DUDLEYA VISCIDA (ALSO RARE), PHACELIA, AND BRICKELLIA CALIFORNICA.						
General:	350 PLANTS OBSERVED IN 2000. 1994 REISER REPORT MENTIONS AN OLD REPORT FROM "PEAK JUST EAST OF SAN DIEGO AQUEDUCT NORTH OF ESCONDIDO CREEK;" THIS LOCATION ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	PVT						

Occurrence No.	18	Map Index:	31983	EO Index:	31625	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-09-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00837 / -117.23271				Accuracy:	1/5 mile	
UTM:	Zone-11 N3652238 E478263				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 30, S (S)				Acres:	0.0	
Location:	HILLS NORTH OF EL NIDO ROAD, RANCHO SANTA FE.						
Detailed Location:							
Ecological:							
General:	ABOUT 100 PLANTS REPORTED FOR THIS OCCURRENCE ON AN UNKNOWN DATE. ONLY SOURCE OF INFORMATION FOR THIS SITE IS PROVIDED BY REISER IN "RARE PLANTS OF SAN DIEGO COUNTY" (1994).						
Owner/Manager:	UNKNOWN						

Occurrence No.	19	Map Index:	36629	EO Index:	31626	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-09-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08777 / -117.14078				Accuracy:	non-specific area	
UTM:	Zone-11 N3661025 E486862				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 36, S (S)				Acres:	294.5	
Location:	SAN ELIJO CANYON, SOUTHWEST OF HARMONY GROVE.						
Detailed Location:	EXACT LOCATION NOT KNOWN, SITE MAPPED TO INCLUDE THE CANYON AND ADJACENT SLOPES.						
Ecological:							
General:	SPECIES REPORTED IN RANCHO CIELO EIR ACCORDING TO DILLANE (1985).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	20	Map Index:	36630	EO Index:	31627	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01355 / -117.26986				Accuracy:	specific area	
UTM:	Zone-11 N3652821 E474794				Elevation (ft):	150	
PLSS:	T13S, R04W, Sec. 26, W (S)				Acres:	16.0	
Location:	BOTH SIDES OF I-5, NW OF ITS JUNCTION WITH MANCHESTER AVE ON BLUFF ABOVE SAN ELIJO LAGOON, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS ACCORDING TO A MAP IN A 2004 REPORT FOR THE MANCHESTER AVENUE / INTERSTATE 5 INTERCHANGE PROJECT, NATURAL ENVIRONMENT STUDY REPORT AND ACCORDING TO A MAP IN A 2013 NORTH COAST CORRIDOR REPORT.						
Ecological:	COASTAL BLUFF SCRUB AND COASTAL SAGE SCRUB ON SANDSTONE WITH ENCELIA CALIFORNICA AND RHUS INTEGRIFOLIA. NEARBY RARE ASSOCIATES INCLUDE CHAENACTIS GLABRIUSCULA VAR. ORCUTTIANA, FEROCACTUS VIRIDESCENS, AND CORETHROGYNE FILAGINIFOLIA.						
General:	SEVERAL HUNDRED PLANTS REPORTED ON WEST SIDE OF HIGHWAY BY WIER IN 1986. 389 PLANTS OBSERVED IN TWO POLYGONS ON EITHER SIDE OF I-5, LIKELY IN 2003. INCLUDES HISTORIC COLLECTIONS FROM BLUFFS NEAR CARDIFF AND "CANYON SOUTH OF LAKE DRIVE."						
Owner/Manager:	PVT						

Occurrence No.	21	Map Index:	36631	EO Index:	31628	Element Last Seen:	2015-03-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-03-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01908 / -117.26113				Accuracy:	80 meters	
UTM:	Zone-11 N3653433 E475611				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 26, NE (S)				Acres:	0.0	
Location:	EAST OF I-5 AND NORTH OF MANCHESTER AVE NEAR CREST DRIVE, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO 2015 HERMAN COORDINATES, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 21.						
Ecological:	GROWING WITH ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, AND MALOSMA LAURINA. OCCURS IN SCATTERED GROUPS.						
General:	150 PLANTS FOUND OVER APPROXIMATELY 3 ACRES IN 1980 DURING PREPARATION OF MIRA COSTA COMMUNITY COLLEGE SOUTH CAMPUS EIR. UNKNOWN NUMBER OBSERVED IN 2015.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	22	Map Index:	36632	EO Index:	31629	Element Last Seen:	2009-06-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-06-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08520 / -117.28403				Accuracy:	non-specific area	
UTM:	Zone-11 N3660768 E473491				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 34, SE (S)				Acres:	22.0	
Location:	SOUTHEAST OF THE INTERSECTION OF SAXONY ROAD AND LA COSTA AVENUE, SOUTH SIDE OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED BY CNDDB TO INCLUDE THE BARRELMANN PROPERTY (EXACT LOCATION ON PROPERTY UNKNOWN) AND 2009 COORDINATES FROM VEGETATION SURVEYS WHICH WERE JUST SOUTH OF BARRELMANN PROPERTY.						
Ecological:	DECADENT VEGETATION WITH RHUS INTEGRIFOLIA, SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, ENCELIA CALIFORNICA, ADOLPHIA CALIFORNICA, OPUNTIA LITTORALIS, GALIUM ANGUSTIFOLIUM, BROMUS RUBENS, CYLINDROPUNTIA PROLIFERA, DUDLEYA EDULIS, ETC.						
General:	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 1998 AND 2009. 1994 REISER REPORT "RIDGE NORTH OF THE NORTH END OF SWALLOWTAIL DRIVE, ENCINITAS" ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	CITY OF ENCINITAS, UNKNOWN						

Occurrence No.	23	Map Index:	A6292	EO Index:	31630	Element Last Seen:	2015-02-27
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-02-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04125 / -117.29659				Accuracy:	specific area	
UTM:	Zone-11 N3655900 E472307				Elevation (ft):	80	
PLSS:	T13S, R04W, Sec. 16 (S)				Acres:	8.0	
Location:	ALONG OCEAN BLUFFS IN ENCINITAS BETWEEN WEST J ST AND WEST D ST.						
Detailed Location:	6 POLYGONS MAPPED ACCORDING TO 2015 DIGITAL DATA.						
Ecological:	ALONG UPPER EDGE OF COASTAL BLUFFS BETWEEN HOUSES AND COAST. HABITAT NARROW AND MOSTLY DEGRADED WITH LOTS OF WEEDS. ASSOCIATED WITH CARPOBROTUS EDULUS, LIMONIUM PEREZII, OXALIS PRES-CAPRAE, MALEPHORA CROCEA (ALL TAKING OVER BLUFFS).						
General:	POPULATION NUMBERS FOR POLYGONS FROM NORTH TO SOUTH: 1, 7, 3, 9, 61, AND 3 PLANTS SEEN IN 2015. INCLUDES A 1932 EPLING COLLECTION FROM "ENCINITAS, DUNES" AND A 1947 MORAN COLLECTION FROM "ENCINITAS, BRINK OF SEA BLUFF."						
Owner/Manager:	SAN ELIJO LAGOON CONSERVANCY						



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Occurrence No.	27	Map Index:	61627	EO Index:	61663	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06083 / -117.19437				Accuracy:	1/10 mile	
UTM:	Zone-11 N3658047 E481854				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 09, NE (S)				Acres:	0.0	
Location:	1.5 MILES NORTH OF SAN DIEGUITO RESERVOIR, ALONG TRIBUTARY ON NORTH SIDE OF ESCONDIDO CREEK.						
Detailed Location:	SW 1/4 OF NE 1/4 OF SECTION 9.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001; TAYLOR (HELIX ENVIRONMENTAL) REPORT IS THE MAIN SOURCE FOR THIS SITE. 1996 REISER COLLECTION FROM "ESCONDIDO CREEK, WEST OF SAN DIEGO AQUEDUCT, NW OF VIA LAS BRISAS" ATTRIB HERE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	37	Map Index:	96520	EO Index:	97689	Element Last Seen:	1935-02-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1935-02-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08461 / -117.26475				Accuracy:	2/5 mile	
UTM:	Zone-11 N3660699 E475290				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 35 (S)				Acres:	0.0	
Location:	BLUFF ON SAN MARCOS CREEK NEAR GREEN VALLEY SCHOOL.						
Detailed Location:	MAPPED BY CNDDDB AS BEST GUESS AROUND THE MOUTH OF GREEN VALLEY NEAR SAN MARCO CREEK.						
Ecological:	BLUFF.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1935 GANDER COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	38	Map Index:	96521	EO Index:	97691	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16660 / -117.28220				Accuracy:	1/5 mile	
UTM:	Zone-11 N3669792 E473687				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 03, NE (S)				Acres:	0.0	
Location:	CALAVERA HEIGHTS PRESEVE.						
Detailed Location:	"CALAVERA HILL." MAPPED BY CNDDDB AS BEST GUESS AROUND THE HILL AREA WITHIN CALAVERA HEIGHTS PRESERVE.						
Ecological:	CHAPARRAL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A PLANT CHECKLIST COMPILED BY DILLANE IN 2013; EXACT LOCATION OF PLANTS AND DATE OF OBSERVATION ARE UNKNOWN.						
Owner/Manager:	THE ENVIRONMENTAL TRUST						



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Occurrence No.	42	Map Index:	96527	EO Index:	97700	Element Last Seen:	2015-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-11
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00484 / -117.26806			Accuracy:	non-specific area		
UTM:	Zone-11 N3651856 E474960			Elevation (ft):	100		
PLSS:	T13S, R04W, Sec. 35, N (S)			Acres:	43.0		
Location:	SAN ELIJO LAGOON TRAILS FROM RIO AVENUE ENTRANCE, NORTH END OF SOLANA BEACH.						
Detailed Location:	2 POLYGONS MAPPED BY CNDDDB. EASTERN POLYGON IS SPECIFIC, BASED ON 2015 MORSE COORDINATES. WESTERN POLYGON IS NON-SPECIFIC, MAPPED AROUND GEMMA PARKS INTERPRETRETIVE TRAIL BASED ON A 2003 PLANT GUIDE.						
Ecological:	COASTAL SAGE SCRUB.						
General:	PLANTS SEEN IN WESTERN POLYGON IN 2003 AND 2011. SEEN IN EASTERN POLYGON IN 2015. A 1917 STREET COLLECTION FROM "SAN ELIJO LAGOON" ATTRIBUTED HERE. PLANTS ALSO REPORTED FROM SOLANA HILLS BOTANICAL LOOP (VICINITY OF E POLYGON).						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						

Occurrence No.	43	Map Index:	96528	EO Index:	97703	Element Last Seen:	2015-03-18
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-03-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08255 / -117.31143			Accuracy:	specific area		
UTM:	Zone-11 N3660482 E470935			Elevation (ft):	45		
PLSS:	T12S, R04W, Sec. 33, SW (S)			Acres:	1.0		
Location:	JUST SOUTH OF THE MOUTH OF BATIQUITOS LAGOON, WEST OF SOUTH PONTO BEACH PARKING LOT.						
Detailed Location:	NEAR COMPASS ROSETTE WALKWAY JUST WEST OF THE SOUTH PONTO BEACH PARKING LOT ON STATE LAND. MAPPED ACCORDING TO 2015 KENTNER DIGITAL DATA.						
Ecological:	BLUFFS. ASSOCIATED WITH BROMUS DIANDRUS, B. MADRITENSIS SSP. RUBENS, LIMONIUM PEREZII, CARPOBROTUS EDULUS, CAMISSONIOPSIS CHEIRANTHIFOLIA, AND CAKILE MARITIMA. VERY WEEDY.						
General:	10 PLANTS OBSERVED IN 2015. SITE IS ALSO REFERENCED IN MAP DETAIL PROVIDED IN A 2013 CALTRANS REPORT, UNKNOWN WHEN PLANTS SEEN.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						



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Occurrence No.	44	Map Index:	96562	EO Index:	97738	Element Last Seen:	2015-03-19
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-03-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-11
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.12435 / -117.32976				Accuracy:	specific area	
UTM:	Zone-11 N3665121 E469238				Elevation (ft):	40	
PLSS:	T12S, R04W, Sec. 17, SW (S)				Acres:	1.0	
Location:	SOUTH CARLSBAD STATE BEACH, ~100 METERS WEST OF PALOMAR AIRPORT ROAD BRIDGE OVER CARLSBAD BLVD.						
Detailed Location:	MAPPED IN THE FAR SW 1/4 OF SECTION 17. ALSO INCLUDES A 1947 VESTAL COLLECTION FROM "OCEANSIDE SOUTH OF CARLSBAD" AND A 1951 ZAITLIN COLLECTION FROM "SEA BEACH, US 101, 5 MI S OF OCEANSIDE."						
Ecological:	ALONG STEEP WEST FACING SLOPE OF COASTAL BLUFFS. LOTS OF INVASIVE CARPOBROTUS EDULIS. ASSOCIATED WITH ERIOGONUM PARVIFOLIUM, LYCIUM CALIFORNICUM, SUAEDA TAXIFOLIA, ETC.						
General:	1 PLANT OBSERVED IN 2013. PLANTS NOT OBSERVED IN 2014. 1 PLANT OBSERVED IN 2015. ANY ADDITIONAL LEPTOSYNE IN THIS AREA LIKELY EXTIRPATED.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						

Occurrence No.	49	Map Index:	A6316	EO Index:	108072	Element Last Seen:	2013-07-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-07-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-11
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07593 / -117.31004				Accuracy:	80 meters	
UTM:	Zone-11 N3659747 E471062				Elevation (ft):	15	
PLSS:	T13S, R04W, Sec. 4, NW (S)				Acres:	5.0	
Location:	LEUCADIA STATE BEACH, WEST OF GRANDVIEW ST AND NEPTUNE AVE, CITY OF ENCINITAS.						
Detailed Location:	ABOUT 150-250 FT SOUTH OF GRANDVIEW ST BEACH STAIRCASE ALONG LOWER BLUFF SLOPE.						
Ecological:	OPEN SANDY AREAS ON BLUFF SLOPES. COASTAL BLUFF SCRUB.						
General:	SITE IS BASED ON A 2013 REIFNER COLLECTION; MENTIONED AS "UNCOMMON." A 1929 THACKERY COLLECTION AND A 1952 COOP COLLECTION FROM LEUCADIA ARE ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	DPR-LEUCADIA SB						



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Occurrence No.	50	Map Index:	A6319	EO Index:	108074	Element Last Seen:	2015-02-23
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:	2015-02-23		
Occ. Type:	Transplant Outside of Native Hab./Range	Trend:	Unknown	Record Last Updated:	2017-09-11		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00688 / -117.27508			Accuracy:	specific area		
UTM:	Zone-11 N3652083 E474305			Elevation (ft):	5		
PLSS:	T13S, R04W, Sec. 34, NE (S)			Acres:	3.0		
Location:	SAN ELIJO LAGOON, ABOUT 0.2 AIR MILE NORTHWEST OF THE NORTH END OF N RIOS AVE.						
Detailed Location:	ALONG EDGE OF WHAT APPEARS TO BE OLD SETTLING PONDS. THIS TRANSPLANTED OCCURRENCE IS WITHIN 0.25 MILE OF NATURAL OCCURRENCE #42.						
Ecological:	IN ATYPICAL HABITAT ALONG EDGE OF OLD SETTLING POND IN THE LAGOON. CLEARLY A RESTORATION PLANTING. ASSOCIATED WITH ISOCOMA MENZIESII SSP. VERNONIOIDES, HELIOTROPIMUM CURASSAVICUM, FRANKENIA SALINA, DISTICHLIS SPICATA, ETC.						
General:	167 PLANTS OBSERVED IN 2015. PLANTED DURING RESTORATION WORK.						
Owner/Manager:	SAN ELIJO LAGOON CONSERVANCY						

Occurrence No.	51	Map Index:	A6322	EO Index:	108078	Element Last Seen:	2015-03-17
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2015-03-17		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-09-11		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00136 / -117.27698			Accuracy:	specific area		
UTM:	Zone-11 N3651472 E474126			Elevation (ft):	20		
PLSS:	T13S, R04W, Sec. 34, N (S)			Acres:	1.0		
Location:	WEST OF HIGHWAY S21, AT SOUTHEAST CORNER OF SOUTHERN CARDIFF STATE BEACH PARKING LOT, SOLANA BEACH.						
Detailed Location:	MAPPED ACCORDING TO 2015 DIGITAL DATA FROM KENTNER.						
Ecological:							
General:	25 PLANTS OBSERVED IN 2015.						
Owner/Manager:	DPR-CARDIFF STATE BEACH						



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Occurrence No.	52	Map Index:	A6326	EO Index:	108081	Element Last Seen:	2015-03-25
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-03-25
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2017-09-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.1475 / -117.34581			Accuracy:	specific area		
UTM:	Zone-11 N3667692 E467750			Elevation (ft):	35		
PLSS:	T12S, R04W, Sec. 7, NW (S)			Acres:	2.0		
Location:	CARLSBAD STATE BEACH, BETWEEN SEQUOIA AVE AND JUNIPER AVE.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO 2015 DIGITAL DATA FROM KENTNER.						
Ecological:	ALONG WEST FACING SLOPE ADJACENT TO BEACH. RESTORATION AREA. ASSOCIATED WITH ISOCOMA MENZIESII VAR. VERNIOIDES, ERIOGONUM PARVIFOLIUM, LYCIUM CALIFORNICUM, ETC. INVASIVE WEEDS INCLUDE CAKILE MARITIMA AND LIMONIUM PEREZII.						
General:	11 PLANTS OBSERVED IN 2015; ALL PLANTS ARE LIKELY PLANTED IN RECENT RESTORATION EFFORTS. AREA IS VERY WEEDY, BUT ACTIVE WEED MANAGEMENT WAS OBSERVED DURING SURVEY.						
Owner/Manager:	DPR-CARLSBAD SB						

Corethrogyne filaginifolia var. linifolia					Element Code: PDAST2M027		
Del Mar Mesa sand aster							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G4T1Q
	State:	None				State:	S1
Habitat:	Other:	Rare Plant Rank - 1B.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
	General:	CHAPARRAL, COASTAL SCRUB, COASTAL BLUFF SCRUB.					
	Micro:	IN COASTAL, SHRUBBY COMMUNITIES ON MARITIME SEDIMENTS AND CONGLOMERATES; IN OPENINGS. 15-140 M.					

Occurrence No.	2	Map Index:	03569	EO Index:	17041	Element Last Seen:	2017-08-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-08-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-04-24
Quad Summary:	Del Mar (3211782), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00455 / -117.25983			Accuracy:	specific area		
UTM:	Zone-11 N3651821 E475729			Elevation (ft):	100		
PLSS:	T13S, R04W, Sec. 35 (S)			Acres:	35.0		
Location:	BOTH SIDES OF INTERSTATE 5 BETWEEN SKYLINE DRIVE (LOMAS SANTA FE DR) AND SAN ELIJO LAGOON, SOLANA BEACH.						
Detailed Location:	MAPPED BY CNDDB AS 7 POLYGONS ACCORDING TO A 2004 MAP, 2009 VEGETATION SURVEY COORDINATES, 2010 LA GRANGE COORDINATES, AND 2017 INATURALIST COORDINATES.						
Ecological:	SANDSTONE, TORREY PINES FORMATION. COASTAL SAGE SCRUB. ASSOCIATED WITH SALVIA APIANA, RHUS INTEGRIFOLIA, MALOSMA LAURINA, BACCHARIS PILULARIS, ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, MOSS, SCROPHULARIA CALIFORNICA, OPUNTIA LITTORALIS, ETC.						
General:	OBSERVED IN THIS AREA IN 1985 AND 1990. 950+ PLANTS SEEN IN 4 EASTERN POLYGONS IN 2003. SEEN IN 2009, 2010, AND 2017. INCLUDES FORMER EO#49.						
Owner/Manager:	PVT, DFG, SDG COUNTY						



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Occurrence No.	3	Map Index:	03550	EO Index:	17043	Element Last Seen:	1992-07-29
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:	1992-07-29		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-04-14		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04492 / -117.26635			Accuracy:	specific area		
UTM:	Zone-11 N3656298 E475131			Elevation (ft):	320		
PLSS:	T13S, R04W, Sec. 14, NW (S)			Acres:	22.0		
Location:	OAK CREST PARK, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDB AROUND THE OAK CREST PARK PROPERTY AS SHOWN IN A 1978 OBERBAUER SURVEY; MAP INDICATES THAT CORETHROGYNE WAS OBSERVED ON "NEARLY THE ENTIRE PROPERTY."						
Ecological:	WITH OTHER RARE PLANTS INCLUDING CEANOTHUS VERRUCOSUS, ERIODICTYON CRASSIFOLIUM, AND BACCHARIS VANESSAE.						
General:	"QUITE COMMON" ON THE PROPERTY IN 1978. 10 PLANTS SEEN IN 1990. 1039 COUNTED IN 1992. PROPOSED DEVELOPMENT OF RECREATIONAL AREA IN 1992.						
Owner/Manager:	CITY OF ENCINITAS						

Occurrence No.	4	Map Index:	03647	EO Index:	17046	Element Last Seen:	1985-04-XX
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:	1985-04-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-04-14		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05392 / -117.24171			Accuracy:	specific area		
UTM:	Zone-11 N3657290 E477433			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 12, SE (S)			Acres:	45.4		
Location:	LOS ENCENITOS, APPROXIMATELY 0.5 MILE NW OF OLIVENHAIN.						
Detailed Location:	ABOUT 0.25 MILE SOUTHWEST OF RANCHO SANTA FE ROAD.						
Ecological:							
General:	SITE BASED ON A 1985 OBERBAUER MAP. NEEDS FIELDWORK.						
Owner/Manager:	PVT						



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Occurrence No.	8	Map Index:	03490	EO Index:	8105	Element Last Seen:	1992-07-07
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:	1992-07-07		
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:	2015-04-14		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05265 / -117.28958			Accuracy:	specific area		
UTM:	Zone-11 N3657161 E472964			Elevation (ft):	100		
PLSS:	T13S, R04W, Sec. 10, SW (S)			Acres:	10.0		
Location:	JUST NORTH OF ENCINITAS BLVD, ABOUT 0.4 AIR MI WNW AND 0.3 AIR MI NNW OF JUNCTION OF ENCINITAS BLVD AND I-5.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS BASED ON A 1992 SPIEGELBERG MAP, IN THE SW 1/4 OF THE SW 1/4 OF SECTION 10 AND THE NE 1/4 OF SECTION 16.						
Ecological:	ON SANDY RISE ABOVE ROAD NEAR INTERSECTION. PLANTS IN SAGE SCRUB REGROWTH AFTER CLEARING.						
General:	WESTERN POLYGON: ABOUT 30 PLANTS SEEN IN 1987. TOTAL OF 457 PLANTS SEEN IN BOTH POLYGONS IN 1992. ALL PLANTS CLEARED FROM WESTERN POLYGON FOR A BUS/TRAIN STATION ACCORDING TO RENAKER 1994 PERS COMM. INCLUDES FORMER OCCURRENCE #15.						
Owner/Manager:	CALTRANS, CITY OF ENCINITAS						

Occurrence No.	13	Map Index:	21342	EO Index:	9979	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-04-10		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11125 / -117.26977			Accuracy:	specific area		
UTM:	Zone-11 N3663653 E474830			Elevation (ft):	260		
PLSS:	T12S, R04W, Sec. 23, SE (S)			Acres:	15.0		
Location:	BOTH SIDES OF EL CAMINO REAL, APPROXIMATELY 1.8 AIR MILES NORTH OF EL CAMINO REAL/LA COSTA ROAD INTERSECTION.						
Detailed Location:	MAPPED AS 2 POLYGONS, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 23 AND THE NW 1/4 OF THE NE 1/4 OF SECTION 26.						
Ecological:	COYOTE BRUSH SCRUB. COMAROSTAPHYLIS DIVERSIFOLIA NEARBY.						
General:	SITE BASED ON MAP INFORMATION FROM 1992 AND 2003.						
Owner/Manager:	PVT						



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Occurrence No.	14	Map Index:	22160	EO Index:	8104	Element Last Seen:	2018-06-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2018-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-04-28
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01558 / -117.26411				Accuracy:	specific area	
UTM:	Zone-11 N3653045 E475333				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 26 (S)				Acres:	61.0	
Location:	BOTH SIDES OF INTERSTATE 5 JUST NORTH OF MANCHESTER AVENUE AND SAN ELIJO LAGOON.						
Detailed Location:	MAPPED BY CNDDB AS 15 POLYGONS ACCORDING TO A 1992 MAP AND MAP IN A 2004 EDAW, INC REPORT FOR THE MANCHESTER AVE / INTERSTATE 5 INTERCHANGE PROJECT.						
Ecological:							
General:	4952 PLANTS SEEN IN 1992. 530 PLANTS SEEN IN 2003. UNKNOWN NUMBER OF PLANTS SEEN IN 2018.						
Owner/Manager:	UNKNOWN						

Occurrence No.	23	Map Index:	95856	EO Index:	1718	Element Last Seen:	1992-08-25
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1992-08-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-10
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07092 / -117.27059				Accuracy:	2/5 mile	
UTM:	Zone-11 N3659181 E474742				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 02, W (S)				Acres:	0.0	
Location:	RANCHO SANTA FE ROAD BETWEEN EL CAMINO REAL AND QUAIL GARDENS DRIVE, SOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED BY CNDDB TO ENCOMPASS AREA INDICATED ON A BACCHARIS VANESSAE FIELD SURVEY FORM WITH CORETHROGYNE MENTIONED AS AN ASSOCIATE.						
Ecological:	S-FACING SLOPE WITH ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, CEANOTHUS VERRUCOSUS, CNEORIDIUM DUMOSUM, COMAROSTAPHYLIS DIVERSIFOLIA, AND BACCHARIS VANESSAE.						
General:	OBSERVED IN THIS AREA DURING BACCHARIS VANESSAE SURVEYS IN 1992. NEED MAP DETAIL FOR CORETHROGYNE. INCLUDES FORMER OCCURRENCE #24.						
Owner/Manager:	PVT						



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Occurrence No.	28	Map Index:	62122	EO Index:	62158	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-07-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06147 / -117.23068				Accuracy:	non-specific area	
UTM:	Zone-11 N3658126 E478465				Elevation (ft):		
PLSS:	T13S, R03W, Sec. 07, NW (S)				Acres:	39.2	
Location:	NEAR DESERT ROSE WAY IN ENCINITAS.						
Detailed Location:	EXACT LOCATION UNKNOWN; MAPPED AS BEST GUESS BY CNDDB ALONG DESERT ROAS WAY, 0.2 MI EAST OF RANCHO SANTA FE ROAD.						
Ecological:							
General:	NOTE IN 2001 REISER REPORT IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						
Occurrence No.	29	Map Index:	62124	EO Index:	62160	Element Last Seen:	1999-06-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-06-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-07-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07850 / -117.21735				Accuracy:	specific area	
UTM:	Zone-11 N3660010 E479713				Elevation (ft):	450	
PLSS:	T13S, R03W, Sec. 05, NW (S)				Acres:	22.3	
Location:	SOUTHEAST OF RANCHO SANTA FE ROAD, ABOUT 2.5 MILES NNE OF OLIVENHAIN.						
Detailed Location:	2 CNDDB POLYGONS: (1) SOUTH SIDE OF SDG&E TRANSMISSION LINE, 0.5 MI SE OF RANCHO SANTA FE RD, IN THE NW 1/4 OF NW 1/4 OF SECTION 5, & (2) NEAR HEAD OF ENCINITAS CREEK, ON EAST SIDE OF 4WD ROAD, IN THE SE 1/4 OF SW 1/4 OF SECTION 32.						
Ecological:	DISTURBED COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND. FOUND WITH LOTUS SCOPARIUS AND MALACOTHAMNUS FASCICULATUS, ERIOGONUM FASCICULATUM, AND ARTEMISIA CALIFORNICA. CALIFORNIA GNATCATCHERS IN AREA.						
General:	ID UNCERTAIN, NOT KEYED TO VARIETY. UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 1999. NEEDS FIELDWORK.						
Owner/Manager:	PVT						



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Occurrence No.	30	Map Index:	62126	EO Index:	62162	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-07-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02811 / -117.24594				Accuracy:	specific area	
UTM:	Zone-11 N3654431 E477032				Elevation (ft):		
PLSS:	T13S, R04W, Sec. 24, SE (S)				Acres:	9.6	
Location:	NORTHWEST SIDE OF MANCHESTER AVENUE, ABOUT 1.5 MILES EAST OF HWY I-15 AND SAN ELIJO LAGOON, ENCINITAS.						
Detailed Location:	NW 1/4 OF THE SE 1/4 OF SECTION 24.						
Ecological:	COASTAL SAGE SCRUB/SOUTHERN MARITIME CHAPARRAL.						
General:	34 INDIVIDUALS OBSERVED IN 2002.						
Owner/Manager:	PVT						

Occurrence No.	31	Map Index:	54052	EO Index:	62163	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-10
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03717 / -117.24913				Accuracy:	1/5 mile	
UTM:	Zone-11 N3655436 E476736				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 13, SW (S)				Acres:	0.0	
Location:	IN THE CANYON BOTTOM EAST OF LANDQUIST DRIVE IN ENCINITAS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS JUST EAST OF LANDQUIST DRIVE.						
Ecological:							
General:	NOTE IN 2001 REISER REPORT IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	32	Map Index:	51262	EO Index:	62164	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-07-27
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08304 / -117.29343				Accuracy:	1/5 mile	
UTM:	Zone-11 N3660531 E472614				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 34, SW (S)				Acres:	0.0	
Location:	NORTH OF SKY LOFT ROAD IN ENCINITAS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED SOUTHEAST OF INTERSECTION OF LA COSTA AVE AND I-5, SOUTH OF BATIQUITOS LAGOON.						
Ecological:							
General:	NOTE IN 2001 REISER REPORT IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	48	Map Index:	95876	EO Index:	97012	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04360 / -117.23761				Accuracy:	1/5 mile	
UTM:	Zone-11 N3656146 E477814				Elevation (ft):	150	
PLSS:	T13S, R03W, Sec. 18 (S)				Acres:	0.0	
Location:	AT THE FOOT OF ERODED BLUFFS NORTH OF WOODWIND DRIVE IN OLIVEHAIN.						
Detailed Location:							
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS SITE NAME IN CRAIG REISER'S RARE PLANTS OF SAN DIEGO COUNTY. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	50	Map Index:	95878	EO Index:	97016	Element Last Seen:	2010-06-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-05-01
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03195 / -117.2609				Accuracy:	specific area	
UTM:	Zone-11 N3654859 E475637				Elevation (ft):	280	
PLSS:	T13S, R04W, Sec. 23, NE (S)				Acres:	1.0	
Location:	WEST OF LUX CANYON AND EAST OF CREST DRIVE; WEST OF THE WESTERN TERMINUS OF SYCAMORE VIEW DRIVE, CITY OF ENCINITAS.						
Detailed Location:	GRIMES PROPERTY. MAPPED BY CNDDB ACCORDING TO A MAP IN A 2004 PRIEST (DUDEK & ASSOCIATES, INC) REPORT AND 2010 COORDINATES FROM INATURALIST.						
Ecological:	SOUTHERN MARITIME CHAPARRAL.						
General:	75 PLANTS OBSERVED IN NORTHERN POLYGON IN 2004. UNKNOWN NUMBER OF PLANTS SEEN IN SOUTHERN POLYGON IN 2010.						
Owner/Manager:	PVT						



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Occurrence No.	51	Map Index:	95880	EO Index:	97018	Element Last Seen:	2005-05-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08139 / -117.27058				Accuracy:	specific area	
UTM:	Zone-11 N3660343 E474745				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 35, SW (S)				Acres:	3.0	
Location:	APPROXIMATELY 0.3 AIR MILE SW OF THE JUNCTION OF EL CAMINO REAL AND LA COSTA AVE, SOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	BATIQUITOS BLUFF SITE. MAPPED ACCORDING TO A 2005 PRIEST (DUDEK AND ASSOCIATES, INC) MAP, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 35.						
Ecological:	COASTAL SAGE SCRUB AND ANNUAL GRASSLAND. QUERCUS DUMOSA AND COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA OCCUR NEARBY.						
General:	30 PLANTS OBSERVED IN APRIL/MAY 2005.						
Owner/Manager:	PVT						

Occurrence No.	52	Map Index:	95881	EO Index:	97019	Element Last Seen:	2005-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-04-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14277 / -117.31700				Accuracy:	non-specific area	
UTM:	Zone-11 N3667159 E470434				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 08, SE (S)				Acres:	11.0	
Location:	NE END OF AGUA HEDIONDA.						
Detailed Location:	MAPPED AROUND PROPERTY BOUNDARY INDICATED IN 2005 REC CONSULTANTS, INC MAP. SITE IS CALLED THE MARINERS COVE SITE.						
Ecological:	COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, ISOCOMA MENZIESII VAR. VERNONIOIDES, BACCHARIS PILULARIS, LOTUS SCOPARIUS, RHUS INTEGRIFOLIA, PSEUDOGNAPHALIUM BIOLETTII, ISOCOMA ARBOREA, ETC.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED DURING 2004 OR 2005 SURVEYS (REPORT IS UNCLEAR). NEED MAP DETAIL FOR THIS SITE.						
Owner/Manager:	PVT						



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Occurrence No.	53	Map Index:	B8864	EO Index:	123999	Element Last Seen:	2020-08-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2020-08-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-05-01
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00932 / -117.25081				Accuracy:	specific area	
UTM:	Zone-11 N3652348 E476573				Elevation (ft):	38	
PLSS:	T13S, R04W, Sec. 25, SW (S)				Acres:	1.0	
Location:	SAN ELIJO LAGOON ECOLOGICAL RESERVE; ADJACENT TO TRAIL NEAR TRAILHEAD AT SANTA CARINA, SOLANA BEACH.						
Detailed Location:	MAPPED ACCORDING TO 2020 COORDINATES FROM INATURALIST.						
Ecological:	DRY SUNNY SLOPE. COASTAL SAGE SCRUB AND MARGIN OF DISTURBED GRASSLAND.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2020. A 1991 COLLECTION BY WELKER IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	54	Map Index:	B8866	EO Index:	124001	Element Last Seen:	2021-01-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2021-01-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2023-05-01
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06144 / -117.27073				Accuracy:	specific area	
UTM:	Zone-11 N3658131 E474727				Elevation (ft):	355	
PLSS:	T13S, R04W, Sec. 11, NW (S)				Acres:	1.0	
Location:	APPROXIMATELY 0.5 AIR MILE SSW OF THE INTERSECTION OF LEUCADIA BLVD AND GARDEN VIEW RD, EAST OF LYNNWOOD DR, ENCINITAS.						
Detailed Location:	MAPPED ACCORDING TO 2021 RIDEOUT COORDINATES FROM INATURALIST, IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 11.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2021.						
Owner/Manager:	UNKNOWN						



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Ericameria palmeri* var. *palmeri

Element Code: PDAST3L0C1

Palmer's goldenbush

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G4T2?

State: None

State: S2

Other: Rare Plant Rank - 1B.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

Habitat: **General:** COASTAL SCRUB, CHAPARRAL.

Micro: ON GRANITIC SOILS, ON STEEP HILLSIDES. MESIC SITES. 5-625 M.

Occurrence No.	13	Map Index:	62322	EO Index:	62359	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-08-16	

Quad Summary: Escondido (3311711)

County Summary: San Diego

Lat/Long:	33.03130 / -117.02388	Accuracy:	non-specific area
UTM:	Zone-11 N3654757 E497769	Elevation (ft):	
PLSS:	T13S, R01W, Sec. 19 (S)	Acres:	133.8

Location: NEAR OLD COACH ROAD IN POWAY.

Detailed Location: MAPPED AS BEST GUESS ALONG OLD COACH ROAD, NORTHEAST OF ESPOLA ROAD AND GREEN VALLEY; NORTH OF POWAY.

Ecological:

General: NOTE IN 2001 REISER REPORT IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No.	35	Map Index:	97988	EO Index:	99386	Element Last Seen:	2009-07-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-07-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-10-23	

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long:	33.09306 / -117.30028	Accuracy:	80 meters
UTM:	Zone-11 N3661644 E471979	Elevation (ft):	20
PLSS:	T12S, R04W, Sec. 33, NE (S)	Acres:	5.0

Location: BATIQUITOS LAGOON, NEAR NATURE CENTER, VICINITY OF GABBIANO LANE AND CIGNO CT, NORTH SIDE OF LAGOON ON EAST SIDE OF I-5.

Detailed Location: MAPPED IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 33.

Ecological: COASTAL SALT MARSH/RUDERAL. OUTER EDGE OF SALT MARSH, SCRUB AND ROADSIDE.

General: SITE IS BASED ON 2006 AND 2009 RIEFNER COLLECTIONS, POPULATION NOTED AS "LOCALLY COMMON" IN 2006 AND "LOCAL" IN 2009.

Owner/Manager: DFG-BATIQUITOS LAGOON ER?



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Pseudognaphalium leucocephalum

Element Code: PDAST440C0

white rabbit-tobacco

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G4

State: None

State: S2

Other: Rare Plant Rank - 2B.2

Habitat: **General:** RIPARIAN WOODLAND, CISMONTANE WOODLAND, COASTAL SCRUB, CHAPARRAL.

Micro: SANDY, GRAVELLY SITES. 35-515 M.

Occurrence No.	18	Map Index:	A0846	EO Index:	102407	Element Last Seen:	2013-05-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2013-05-21	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-29	

Quad Summary: Morro Hill (3311733)

County Summary: San Diego

Lat/Long:	33.31742 / -117.33791	Accuracy:	80 meters
UTM:	Zone-11 N3686528 E468547	Elevation (ft):	82
PLSS:	T10S, R04W, Sec. 7, SE (S)	Acres:	5.0

Location: CAMP PENDLETON; NE OF THE INTERSECTION OF VANDEGRIFT BLVD AND BASILONE RD, NW SIDE OF THE SANTA MARGARITA RIVER.

Detailed Location: TRAINING AREA SMR2. MAPPED ACCORDING TO 2013 REBMAN COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 7.

Ecological: ON A SANDY FLAT ALONG THE NW SIDE OF THE SANTA MARGARITA RIVER. SANDY SUBSTRATES. RIPARIAN WITH SALIX LAEVIGATA, S. EXIGUA, BACCHARIS SALICIFOLIA, VITIS GIRDIANA, TOXICODENDRON DIVERSILOBUM, AND ARTEMISIA DOUGLASIANA.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2013 REBMAN COLLECTION; "UNCOMMON" IN 2013.

Owner/Manager: DOD-CAMP PENDLETON MCB

Hazardia orcuttii

Element Code: PDAST4H070

Orcutt's hazardia

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G1

State: Threatened

State: S1

Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

Habitat: **General:** CHAPARRAL, COASTAL SCRUB.

Micro: OFTEN ON CLAY; IN GRASSY EDGES OF CHAPARRAL AND COASTAL SCRUB. 5-85 M.



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Occurrence No.	1	Map Index:	30006	EO Index:	8565	Element Last Seen:	2010-04-15
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Fluctuating	Record Last Updated:	2013-09-27
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03024 / -117.25036				Accuracy:	specific area	
UTM:	Zone-11 N3654667 E476619				Elevation (ft):	275	
PLSS:	T13S, R04W, Sec. 24, NW (S)				Acres:	12.0	
Location:	E SIDE OF LUX CANYON AT END OF CALLE RYAN, ~0.6 AIR MI NNE OF JCT OF EL CAMINO REAL & MANCHESTER AVE, MANCHESTER HCA.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDB AS A SINGLE POLYGON IN THE SE 1/4 OF THE NW 1/4 OF SECTION 24. THIS IS WITHIN A 1/4 MILE OF TRANSPLANTED OCCURRENCE #2; POPULATIONS KEPT AS SEPARATE OCCURRENCES.						
Ecological:	IN MIXED COAST CHAPARRAL AND EDGE OF GRASSLAND. OPEN CLAY LENS AREAS. ASSOCIATED WITH ACANTHOMINTHA ILICIFOLIA, ADOLPHIA CALIFORNICA, ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, AND MIMULUS PUNICEUS.						
General:	100S OF PLANTS SEEN IN 1979, 350 PLANTS IN 1984, ~300 IN 1988, 250 IN 1996, 200 PLANTED IN 1999, 350 IN 2000, 598 IN 2001, 715 IN 2006, 669 IN 2010. YEARLY DIFFERENCES IN POPULATION COUNTS MAY BE DUE TO INCOMPLETE SURVEYS, NOT PLANT DEATHS.						
Owner/Manager:	CNLM-MANCHESTER PRESERVE						

Occurrence No.	2	Map Index:	90339	EO Index:	91406	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2013-09-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03432 / -117.24766				Accuracy:	specific area	
UTM:	Zone-11 N3655119 E476872				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24, NW (S)				Acres:	3.0	
Location:	NORTHEASTERN MESA OF MANCHESTER HCA, APPROXIMATELY 1 AIR MILE NNE OF INTERSECTION OF EL CAMINO REAL AND MANCHESTER AVE.						
Detailed Location:	TRANSPLANTED POPULATION IN THE NE 1/4 OF THE NW 1/4 OF SECTION 24. THIS IS WITHIN A 1/4 MILE OF NATURAL OCCURRENCE #1; POPULATIONS KEPT AS SEPARATE OCCURRENCES.						
Ecological:							
General:	150 PLANTS PLANTED IN 2003, 197 PLANTS SEEN IN 2006, 102 IN 2007, 104 IN 2008, 186 IN 2009, AND 429 IN 2010. POPULATION NUMBERS INCLUDE NATURALLY RECRUITING FIRST-YEAR SEEDLINGS FROM THE ORIGINAL PLANTED POPULATION.						
Owner/Manager:	CNLM-MANCHESTER PRESERVE						



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Occurrence No.	3	Map Index:	90342	EO Index:	91409	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2013-09-16
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11812 / -117.26503				Accuracy:	specific area	
UTM:	Zone-11 N3664413 E475274				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 23, NE (S)				Acres:	1.0	
Location:	APPROXIMATELY 0.6 AIR MILE NNE OF THE INTERSECTION OF EL CAMINO REAL AND POINSETTIA LANE, RANCHO LA COSTA HCA.						
Detailed Location:	TRANSPLANTED POPULATION IN THE SE 1/4 OF THE NE 1/4 OF SECTION 23.						
Ecological:							
General:	200 PLANTS PLANTED IN 2004, 160 PLANTS IN 2006, 156 ADULTS IN 2009, 156 ADULTS AND 10 SEEDLINGS IN 2010.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	4	Map Index:	90345	EO Index:	91412	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2013-09-16
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14356 / -117.30448				Accuracy:	specific area	
UTM:	Zone-11 N3667244 E471602				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 09, SE (S)				Acres:	1.0	
Location:	JUST EAST OF INTERSECTION OF CANNON RD AND HEMINGWAY DR, NORTHWEST OF EVANS POINT, KELLY RANCH HCA.						
Detailed Location:	TRANSPLANTED POPULATION IN THE NW 1/4 OF THE SE 1/4 OF SECTION 9. PLANTS TRANSPLANTED HERE FROM THE MANCHESTER HABITAT CONSERVATION AREA.						
Ecological:							
General:	25 PLANTS PLANTED IN 2003. 100 ADDITIONAL PLANTS PLANTED IN 2004. 97 PLANTS IN 2005, 104 IN 2006, 106 ADULTS & 3 SEEDLINGS IN 2007, 104 ADULTS & 18 SEEDLINGS IN 2008, 104 ADULTS & 118 SEEDLINGS IN 2009, 104 ADULTS & 83 SEEDLINGS IN 2010.						
Owner/Manager:	CNLM-KELLY RANCH PRESERVE						



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Occurrence No.	5	Map Index:	90490	EO Index:	91608	Element Last Seen:	2013-09-18
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-09-18
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Decreasing	Record Last Updated:	2013-09-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01370 / -117.24908				Accuracy:	specific area	
UTM:	Zone-11 N3652833 E476735				Elevation (ft):	20	
PLSS:	T13S, R04W, Sec. 25, SW (S)				Acres:	4.0	
Location:	SW OF STONEBRIDGE LN AT E END OF SAN ELIJO LAGOON, ~0.9 AIR MI ENE OF MANCHESTER AVE JCT WITH I-5, SAN ELIJO LAGOON ER.						
Detailed Location:	2 POLYGONS MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 25.						
Ecological:	GROWING IN ARTEMISIA CALIFORNICA SCRUB AND ADJACENT GRASSLAND, MOSTLY ON FLAT AREA WELL ABOVE LAGOON.						
General:	156 PLANTS PLANTED IN 2004. 75 PLANTS SEEN IN 2005, 58 PLANTS IN 2006, 40 IN 2009, AND ~50 IN 2013. 2012 REPORT STATES THAT POPULATION IS IN DECLINE AND SHOWS NO SEEDLING RECRUITMENT, THOUGH SOME "YOUNG PLANTS" HAVE BEEN REPORTED IN 2013.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						

Centromadia parryi ssp. australis				Element Code: PDAST4R0P4			
southern tarplant							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3T2
	State:	None				State:	S2
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden					
Habitat:	General:	MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.					
	Micro:	OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.					

Occurrence No.	4	Map Index:	04194	EO Index:	30057	Element Last Seen:	1916-08-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1916-08-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-02-04
Quad Summary:	Escondido (3311711), Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.11476 / -117.07809				Accuracy:	1 mile	
UTM:	Zone-11 N3664012 E492714				Elevation (ft):	650	
PLSS:	T12S, R02W, Sec. 22 (S)				Acres:	0.0	
Location:	ESCONDIDO.						
Detailed Location:							
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1916 COLLECTION BY MCMURPHY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	5	Map Index:	35385	EO Index:	30435	Element Last Seen:	1993-09-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-09-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-02-10
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13122 / -117.20021				Accuracy:	80 meters	
UTM:	Zone-11 N3665852 E481324				Elevation (ft):	500	
PLSS:	T12S, R03W (S)				Acres:	0.0	
Location:	SAN MARCOS, SOUTHEAST CORNER OF DISCOVERY STREET AND SAN MARCOS BLVD.						
Detailed Location:	ALONG THE SAN MARCOS CREEK FLOODWAY, MAPPED ABOUT 0.25 MILE EAST OF SAN MARCOS HIGH SCHOOL.						
Ecological:	EDGE OF FLOODWAY-RIPARIAN WOODLAND. ASSOCIATED WITH SALIX GOODINGII, S. LASIOLEPIS, ANNUAL GRASSES AND WEEDS.						
General:	10 PLANTS OBSERVED IN 1993. THE RARE JUNCUS ACUTUS LEOPOLDII OCCURS NEARBY.						
Owner/Manager:	PVT						

Occurrence No.	72	Map Index:	63785	EO Index:	63880	Element Last Seen:	2002-07-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-07-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-01-26
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06557 / -117.06747				Accuracy:	1/10 mile	
UTM:	Zone-11 N3658558 E493701				Elevation (ft):	320	
PLSS:	T13S, R02W, Sec. 10, NE (S)				Acres:	0.0	
Location:	SAN DIEGUITO RIVER PARK. 50-150 YARDS SOUTH OF SYKES ADOBE RESTORATION SITE.						
Detailed Location:	DISTURBED AREA BEFORE BRIDGE.						
Ecological:	DISTURBED AREA NEXT TO MARSH.						
General:	POPULATION NOTED ON HERBARIUM LABEL AS "SINGLE PLANT TO OCCASIONAL SMALL PATCHES, SOMETIMES NUMEROUS" IN 2002. NEEDS FIELDWORK.						
Owner/Manager:	SAN DIEGUITO RIVER OPEN SPACE						



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Occurrence No.	87	Map Index:	97128	EO Index:	98375	Element Last Seen:	2014-11-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-11-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-08-06
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13883 / -117.16410				Accuracy:	80 meters	
UTM:	Zone-11 N3666690 E484693				Elevation (ft):	515	
PLSS:	T12S, R03W, Sec. 11, S (S)				Acres:	0.0	
Location:	JUST NORTH OF THE JUNCTION OF S TWIN OAKS VALLEY ROAD AND CA-78, SAN MARCOS.						
Detailed Location:	AT JUNCTION OF TWO DIRT ROADS. MAPPED ACCORDING TO 2014 MACGREGOR COORDINATES.						
Ecological:	DISTURBED LAND. ISOCOMA MENZIESII VAR. MENZIESII NEARBY. VAST MAJORITY OF POPULATION OCCURS ON PLACENTIA SANDY LOAM, 2-9% SLOPES; SOME INDIVIDUALS ON GRANGEVILLE FINE SANDY LOAM, 0-2% SLOPES. WEST ASPECT.						
General:	ABOUT 1917 INDIVIDUALS OBSERVED IN 2003. ~400 INDIVIDUALS OBSERVED IN 2014; SEEDS TO BE SALVAGED AND DISTRIBUTED IN ADJACENT OPEN SPACE.						
Owner/Manager:	PVT						

Occurrence No.	88	Map Index:	97129	EO Index:	98376	Element Last Seen:	2009-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-08-06
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28513 / -117.37260				Accuracy:	80 meters	
UTM:	Zone-11 N3682959 E465304				Elevation (ft):	40	
PLSS:	T10S, R05W, Sec. 23, SE (S)				Acres:	0.0	
Location:	SE SIDE OF THE SANTA MARGARITA RIVER, APPROXIMATELY 0.8 AIR MILE SW OF CHAPPO, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2013 DIGITAL DATA FROM CAMP PENDLETON. ON SECTION LINE BETWEEN THE SW 1/4 SE 1/4 OF SECTION 23 AND THE NW 1/4 NE 1/4 OF SECTION 26.						
Ecological:							
General:	1 PLANT OBSERVED DURING 2009 SURVEYS FOR BRODIAEA FILIFOLIA.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Centromadia pungens ssp. laevis				Element Code: PDAST4R0R4			
smooth tarplant							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G3G4T2	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden					
Habitat:	General:	VALLEY AND FOOTHILL GRASSLAND, CHENOPOD SCRUB, MEADOWS AND SEEPS, PLAYAS, RIPARIAN WOODLAND.					
	Micro:	ALKALI MEADOW, ALKALI SCRUB; ALSO IN DISTURBED PLACES. 5-1170 M.					



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Occurrence No.	58	Map Index:	27999	EO Index:	3988	Element Last Seen:	1897-06-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1897-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-09-28
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.19540 / -117.37726				Accuracy:	1 mile	
UTM:	Zone-11 N3673012 E464835				Elevation (ft):	20	
PLSS:	T11S, R05W, Sec. 26 (S)				Acres:	0.0	
Location:	OCEANSIDE.						
Detailed Location:							
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1897 COLLECTION BY PARISH.						
Owner/Manager:	UNKNOWN						

Occurrence No.	66	Map Index:	49415	EO Index:	49415	Element Last Seen:	1999-08-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-12-13
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05365 / -117.04116				Accuracy:	1/5 mile	
UTM:	Zone-11 N3657235 E496157				Elevation (ft):	327	
PLSS:	T13S, R02W, Sec. 12, S (S)				Acres:	0.0	
Location:	EAST END OF LAKE HODGES, BETWEEN SAN DIEGUITO RIVER AND HIGHLAND VALLEY ROAD.						
Detailed Location:	LOCATION MAPPED PER LATITUDE & LONGITUDE PROVIDED BY CAMPBELL.						
Ecological:	DISTURBED HERBACEOUS AREA, ASSOC: POLYPOGON MONSPELIENSIS, XANTHIUM STRUMARIUM, DISTICHLIS SPICATA, & BACCHARIS SALICIFOLIA.						
General:	~75 PLANTS OBSERVED IN 1999. SITE PROTECTED UNDER MSHCP. OBSERVER SUSPECTS PLANTS MAY BE LOST TO RESTORATION EFFORTS IF NOT DISTINCTLY PROTECTED. POSSIBLE MIS-ID; ONLY C. PARRYI AUSTRALIS OBSERVED IN SAN DIEGUITO AREA (BURRASCANO 2005).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	67	Map Index:	49416	EO Index:	49416	Element Last Seen:	1998-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-12-13
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07503 / -117.03060				Accuracy:	1/5 mile	
UTM:	Zone-11 N3659605 E497143				Elevation (ft):	340	
PLSS:	T13S, R01W, Sec. 06, NW (S)				Acres:	0.0	
Location:	ALONG SAN DIEGUITO RIVER, 1.6 AIR MILES EAST OF SUNSET DRIVE AND SAN PASQUAL ROAD INTERSECTION.						
Detailed Location:	LOCATION MAPPED PER LATITUDE & LONGITUDE PROVIDED BY CAMPBELL.						
Ecological:	DISTURBED HERBACEOUS AREA NEAR RIPARIAN ZONE. ASSOC: POLYPOGON MONSPELIENSIS, XANTHIUM STRUMARIUM, DISTICHLIS SPICATA, & BACCHARIS SALICIFOLIA.						
General:	~40 PLANTS OBSERVED AT SITE. SITE PROTECTED UNDER MSHCP. OBSERVER SUSPECTS PLANTS MAY BE LOST TO RESTORATION EFFORTS IF NOT DISTINCTLY PROTECTED. POSSIBLE MIS-ID; ONLY C. PARRYI AUSTRALIS OBSERVED IN SAN DIEGUITO AREA (BURRASCANO 2005).						
Owner/Manager:	UNKNOWN						

Occurrence No.	90	Map Index:	84496	EO Index:	85516	Element Last Seen:	2002-08-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-08-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-05-03
Quad Summary:	Morro Hill (3311733), Las Pulgas Canyon (3311734)						
County Summary:	San Diego						
Lat/Long:	33.26356 / -117.37161				Accuracy:	3/5 mile	
UTM:	Zone-11 N3680568 E465388				Elevation (ft):		
PLSS:	T10S, R05W, Sec. 35 (S)				Acres:	0.0	
Location:	CAMP PENDLETON; AT "MASS III PONDS" AREA, YSIDORA BASIN.						
Detailed Location:	"MASS III PONDS" IS FORMERLY A SEWAGE TREATMENT FACILITY THAT WAS DECOMMISSIONED IN THE LATE 1900S AND UNDERWENT HABITAT RESTORATION. CNDDDB UNABLE TO LOCATE "MASS III PONDS;" MAPPED AS BEST GUESS IN YSIDORA BASIN AREA.						
Ecological:	RIPARIAN HABITAT WITH SALIX SPP. AND BACCHARIS SALICIFOLIA.						
General:	SITE BASED ON 2002 MARTUS COLLECTION; UNKNOWN IF CENTROMADIA IS NATURALLY OCCURRING OR PART OF RESTORATION SEED PALETTE. "LARGE POP" REPORTED IN 2002. 2000 & 2001 GIESSOW COLLECTIONS FROM "YSIDORA BASIN" & "CAMP PENDLETON" ALSO ATTRIB HERE.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	113	Map Index:	99872	EO Index:	101418	Element Last Seen:	2015-06-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-06-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-05-03
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.2987 / -117.21082				Accuracy:	specific area	
UTM:	Zone-11 N3684421 E480373				Elevation (ft):	185	
PLSS:	T10S, R03W, Sec. 20, NE (S)				Acres:	2.0	
Location:	ALONG NORTH SIDE OF LILAC ROAD ABOUT 1 AIR MILE NNE OF ITS JUNCTION WITH CAMINO DEL REY, NE OF BONSTALL.						
Detailed Location:	MAPPED ACCORDING TO 2015 MORSE COORDINATES, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 20.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015.						
Owner/Manager:	UNKNOWN						
Occurrence No.	132	Map Index:	27986	EO Index:	101517	Element Last Seen:	1896-06-11
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1896-06-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-09-13
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23264 / -117.32450				Accuracy:	1 mile	
UTM:	Zone-11 N3677124 E469766				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 08 (S)				Acres:	0.0	
Location:	SAN LUIS REY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS CENTERED ON SAN LUIS REY.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1896 ALDERSON COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						
Occurrence No.	144	Map Index:	B7801	EO Index:	120877	Element Last Seen:	2018-05-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-09-14
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29426 / -117.34991				Accuracy:	80 meters	
UTM:	Zone-11 N3683964 E467422				Elevation (ft):	62	
PLSS:	T10S, R05W, Sec. 24, NE (S)				Acres:	5.0	
Location:	JUST EAST OF JUNCTION OF D AVE AND 10TH STREET, SOUTH OF VANDEGRIFT BLVD AND MAIN AIR STRIP, CAMP PENDLETON.						
Detailed Location:	MAPPED ACCORDING TO 2018 REBMAN COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 24.						
Ecological:	DISTURBED AREAS. RUDERAL/RIPARIAN VEGETATION. ASSOCIATED WITH BACCHARIS SALICIFOLIA, RHUS INTEGRIFOLIA, ISOCOMA MENZIESII, BACCHARIS PILULARIS, EUPHORBIA MACULATA, CYNODON DACTYLON.						
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 2018 REBMAN COLLECTION; MENTIONED AS "UNCOMMON" IN 2018.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Heterotheca sessiliflora ssp. sessiliflora

Element Code: PDAST4V0K2

beach goldenaster

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4T2T3
State: None **State:** S1
Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat: **General:** COASTAL DUNES, COASTAL SCRUB, CHAPARRAL (COASTAL).
Micro: SANDY SITES. 0-5 M.

Occurrence No. 13 **Map Index:** 03544 **EO Index:** 70757 **Element Last Seen:** 2007-XX-XX
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2007-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2008-03-06

Quad Summary: Del Mar (3211782), Rancho Santa Fe (3311712), Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.00781 / -117.26782 **Accuracy:** 1 mile
UTM: Zone-11 N3652184 E474983 **Elevation (ft):**
PLSS: T13S, R04W, Sec. 26 (S) **Acres:** 0.0

Location: SAN ELIJO LAGOON.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS IN VICINITY OF SAN ELIJO LAGOON.

Ecological:

General: MAIN SOURCE OF INFORMATION IS A COMPILED LIST OF THE PLANTS OF SAN ELIJO LAGOON (ARMSTRONG 2003). OCCURRENCE ALSO MENTIONED BY REISER (2001) AND RECENTLY OBSERVED IN 2007 BY BURRASCANO. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Isocoma menziesii var. decumbens

Element Code: PDAST57091

decumbent goldenbush

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3G5T2T3
State: None **State:** S2
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat: **General:** COASTAL SCRUB, CHAPARRAL.
Micro: SANDY SOILS; OFTEN IN DISTURBED SITES. 1-915 M.



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Occurrence No.	6	Map Index:	B3817	EO Index:	22151	Element Last Seen:	2018-04-14
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2018-04-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-08-28	
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00938 / -117.279			Accuracy:	non-specific area		
UTM:	Zone-11 N3652362 E473940			Elevation (ft):	15		
PLSS:	T13S, R04W, Sec. 27 (S)			Acres:	77.0		
Location:	SAN ELIJO LAGOON AT COAST HWY, ENCINITAS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG HIGHWAY 101 AT SAN ELIGO LAGOON.						
Ecological:	BLUFFS ALONG OCEAN.						
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 2018 VANDERHOFF PHOTO IN CALPHOTOS. TWO 1934 YOUNGBERG COLLECTIONS FROM ENCINITAS ARE ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	9	Map Index:	61441	EO Index:	61477	Element Last Seen:	1997-08-15
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		1997-08-15	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-12-06	
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13378 / -117.23814			Accuracy:	specific area		
UTM:	Zone-11 N3666143 E477787			Elevation (ft):	350		
PLSS:	T12S, R03W, Sec. 18, N (S)			Acres:	15.0		
Location:	CARLSBAD RACEWAY, APPROXIMATELY 1 AIR MILE SOUTHEAST OF MT MARRON.						
Detailed Location:	3 POLYGONS MAPPED IN SEC 18: (1) SOUTHWEST END OF DRAG STRIP, WEST OF ACCESS RD, IN NW 1/4 NW 1/4 SW 1/4; (2) NORTH SIDE OF DRAG STRIP AT VISTA CARLSBAD, IN NW 1/4 SE 1/4 NW 1/4; (3) S OF DRAG STRIP ON N SIDE OF ACCESS RD, SW 1/4 NE 1/4.						
Ecological:	SCATTERED DISTRIBUTION IN OPEN AREAS OF COASTAL SAGE SCRUB AND MIXED CHAPARRAL. FOUND WITH XYLOCOCCUS BICOLOR, ETC. OTHER RARE SPP: ARCTOSTAPHYLOS GLANDULOSA VAR. CRASSIFOLIA, ADOLPHIA CALIFORNICA, AND COMAROSTAPHYLIS DIVERSIFOLIA.						
General:	APPROXIMATELY 100 PLANTS OBSERVED IN 1997.						
Owner/Manager:	PVT						



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Occurrence No.	53	Map Index:	87356	EO Index:	88342	Element Last Seen:	2006-07-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-11-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02019 / -117.15340			Accuracy:	1/10 mile		
UTM:	Zone-11 N3653536 E485672			Elevation (ft):	450		
PLSS:	T13S, R03W, Sec. 26, NE (S)			Acres:	0.0		
Location:	EAST SIDE OF NORTHERN END OF CALLE HERMOSA, 4 AIR MILES WEST OF INTERSECTION OF RANCHO BERNARDO RD AND I-15.						
Detailed Location:	LOCALITY CONTINUED: ~0.125 MILE N OF ARTESIAN RD, IMMEDIATELY W OF ARTESIAN TRAIL; 7.1 KM W OF I-15, 11 KM E OF I-5, 6.45 KM N OF HWY 56. MAPPED AS BEST GUESS BY CNDDB BASED ON DESCRIPTION. WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 26.						
Ecological:	EOCENE MARINE TERRACE, GENTLY SLOPING S-FACING HILLSIDE, PREVIOUSLY CLEARED OF VEGETATION. EARLY SUCCESSIONAL DIEGAN COASTAL SAGE SCRUB. ASSOCIATED WITH LOTUS SCOPARIUS, ADOLPHIA, ARTEMISIA CALIFORNICA, ETC. DOMINATED BY RUDERAL SPECIES.						
General:	OCCURRENCE IS BASED ON TWO 2006 COLLECTIONS BY PEPPER.						
Owner/Manager:	UNKNOWN						

Occurrence No.	54	Map Index:	87357	EO Index:	88344	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-11-27
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22739 / -117.20680			Accuracy:	specific area		
UTM:	Zone-11 N3676515 E480730			Elevation (ft):	800		
PLSS:	T11S, R03W, Sec. 09, SW (S)			Acres:	2.0		
Location:	WEST OF SOUTH FORK GOPHER CANYON; ~0.4 AIR MILE SE OF JUNCTION OF ELEVADO RD AND PLEASANT HEIGHTS DR, SAN MARCOS MTNS.						
Detailed Location:	3 POLYGONS MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 9 ACCORDING TO A 2003 BONTERRA REPORT MAP.						
Ecological:	NATIVE GRASSLAND.						
General:	APPROXIMATELY 500-1000 PLANTS OBSERVED DURING SURVEYS CONDUCTED IN SPRING 2000 AND 2001. NONE OF THESE PLANTS WOULD BE IMPACTED BY THE ADJACENT PALISADES ESTATES DEVELOPMENT PROJECT.						
Owner/Manager:	PVT						



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Occurrence No.	92	Map Index:	A1771	EO Index:	103362	Element Last Seen:	1926-10-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1926-10-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.06318 / -117.06869				Accuracy:	1 mile	
UTM:	Zone-11 N3658293 E493588				Elevation (ft):		
PLSS:	T13S, R02W, Sec. 10 (S)				Acres:	1987.0	
Location:	ABOUT 5 MILES SOUTH OF ESCONDIDO ON HIGHWAY TO SAN DIEGO.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND THE PORTION OF I-15 ABOUT 5 MILES SOUTH OF ITS JUNCTION WITH CA-78.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1926 KECK COLLECTION; MENTIONED AS "COMMON" IN 1926.						
Owner/Manager:	UNKNOWN						

Occurrence No.	93	Map Index:	A1772	EO Index:	103363	Element Last Seen:	1895-09-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1895-09-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.0972 / -117.30951				Accuracy:	3/5 mile	
UTM:	Zone-11 N3662105 E471119				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 28 (S)				Acres:	776.0	
Location:	LA COSTA.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND HISTORIC LOCATION OF LA COSTA AS SHOWN ON 1893 TOPOGRAPHIC MAP.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1895 ALDERSON COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	94	Map Index:	A1773	EO Index:	103364	Element Last Seen:	1928-06-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1928-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-08
Quad Summary:	Encinitas (3311713), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13895 / -117.32881				Accuracy:	1 mile	
UTM:	Zone-11 N3666739 E469332				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 17 (S)				Acres:	1987.0	
Location:	SOUTH OF CARLSBAD.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND AGUA HEDIONDA JUST SOUTH OF CARLSBAD.						
Ecological:	TIDE FLATS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1928 WIGGINS COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	102	Map Index:	96549	EO Index:	103375	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-08
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17214 / -117.27758				Accuracy:	non-specific area	
UTM:	Zone-11 N3670405 E474119				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 35 (S)				Acres:	262.0	
Location:	LAKE CALAVERA PRESERVE.						
Detailed Location:	MAPPED BY CNDDDB NON-SPECIFICALLY AROUND THE BOUNDARY OF THE PRESERVE; EXACT LOCATION WITHIN PRESERVE IS UNKNOWN.						
Ecological:	SAGE SCRUB.						
General:	SITE BASED ON A 2013 VASCULAR PLANT CHECKLIST OF THE LAKE CALAVERA AND CALAVERA HEIGHTS PRESERVES. OBSERVATION DATE UNKNOWN.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	123	Map Index:	B3848	EO Index:	116765	Element Last Seen:	2016-04-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-04-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-08-30
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23315 / -117.36123				Accuracy:	80 meters	
UTM:	Zone-11 N3677193 E466344				Elevation (ft):	323	
PLSS:	T11S, R05W, Sec. 12, W (S)				Acres:	5.0	
Location:	CAMP PENDLETON: SOUTHERN PORTION OF BASE; EAST OF WIRE MOUNTAIN COMPLEX AND JUST NORTH OF THE BASE BOUNDARY.						
Detailed Location:	TRAINING AREA NOVEMBER. MAPPED ACCORDING TO 2016 REBMAN COORDINATES.						
Ecological:	COASTAL SAGE SCRUB VEGETATION. ASSOCIATED WITH RHUS INTEGRIFOLIA, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, SALVIA APIANA, ERODIUM BOTRYS, & STIPA PULCHRA.						
General:	PLANTS NOTED AS "UNCOMMON" IN 2016.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Iva hayesiana</i>					Element Code: PDAST580A0		
San Diego marsh-elder							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3
	State:	None				State:	S2
	Other:	Rare Plant Rank - 2B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden					
Habitat:	General:	MARSHES AND SWAMPS, PLAYAS.					
	Micro:	RIVERWASHES. 1-430 M.					



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Occurrence No.	43	Map Index:	36981	EO Index:	31978	Element Last Seen:	1997-05-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-05-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-06-28
Quad Summary:	Poway (3211781), Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99853 / -117.13034				Accuracy:	specific area	
UTM:	Zone-11 N3651131 E487823				Elevation (ft):	300	
PLSS:	T13S, R02W, Sec. 31, W (S)				Acres:	52.2	
Location:	ROUGHLY 1.6 AIR MILES NORTHWEST OF BLACK MOUNTAIN.						
Detailed Location:	FOUR COLONIES MAPPED ALONG LUSARDI CREEK AND ONE OF ITS TRIBUTARIES.						
Ecological:	GROWING IN SOUTHERN WILLOW SCRUB AND MULE FAT SCRUB WITH SALIX GOODINGII, S. LASIOLEPIS, BACCHARIS SAROTHROIDES, B. GLUTINOSA, POPULUS FREMONTII, PLATANUS RACEMOSA, HERBACEOUS ANNUALS, AND GRASSES.						
General:	INCLUDES FORMER OCCURRENCES #49 AND 50.						
Owner/Manager:	PVT						

Occurrence No.	46	Map Index:	36987	EO Index:	31984	Element Last Seen:	1991-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-06-28
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00279 / -117.10868				Accuracy:	specific area	
UTM:	Zone-11 N3651602 E489847				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 32, NE (S)				Acres:	24.4	
Location:	ALONG DRAINAGE AT WEST END OF LA JOLLA VALLEY, ABOUT 1.5 MILES WEST OF I-15.						
Detailed Location:	TWO COLONIES MAPPED ALONG DRAINAGE BETWEEN TWO PONDS.						
Ecological:							
General:	INCLUDES FORMER OCCURRENCE #47.						
Owner/Manager:	PVT						

Occurrence No.	48	Map Index:	36989	EO Index:	31986	Element Last Seen:	1991-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-09-03
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00243 / -117.12071				Accuracy:	specific area	
UTM:	Zone-11 N3651562 E488723				Elevation (ft):	400	
PLSS:	T13S, R02W, Sec. 31, NE (S)				Acres:	7.2	
Location:	ALONG DRAINAGE IN LA JOLLA VALLEY, ABOUT 2.3 MILES WEST OF I-15.						
Detailed Location:	MAPPED JUST WEST OF SMALL RESERVOIR/POND ALONG THE DRAINAGE. MAPPED AS THREE SMALL POLYGONS.						
Ecological:							
General:							
Owner/Manager:	PVT						



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Occurrence No.	51	Map Index:	36992	EO Index:	31989	Element Last Seen:	2015-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00657 / -117.15688				Accuracy:	non-specific area	
UTM:	Zone-11 N3652026 E485346				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 35, NE (S)				Acres:	67.0	
Location:	ALONG LUSARDI CREEK WEST OF LA JOLLA VALLEY, 0.7 TO 1.6 MILES UPSTREAM OF SAN DIEGUITO RIVER.						
Detailed Location:	4 POLYGONS MAPPED BY CNDDB. 3 S POLYGONS ARE SPECIFIC, MAPPED ACCORDING TO A 1992 KREAGER MAP, 2006 HAMMER COORDINATES, 2013 SAN DIEGO COUNTY DIGITAL DATA. N POLYGON IS NON-SPECIFIC, MAPPED AROUND SURVEY AREA GIVEN IN A 1993 RIGGAN REPORT.						
Ecological:	DRAINAGE IN NARROW RIPARIAN CORRIDOR AND CHAPARRAL - COASTAL SAGE SCRUB TRANSITIONAL VEGETATION. ASSOC WITH MALOSMA LAURINA, SALVIA MELLIFERA, RHUS INTEGRIFOLIA, CONIUM MACULATUM, TAMARIX SP., BACCHARIS SAROTHOIDES, B. PILULARIS, ETC.						
General:	SEEN IN TWO SE POLYGONS IN 1991. SEEN IN N POLYGON IN 1993. HUNDREDS OF PLANTS OBSERVED IN SW POLYGON IN 2001. SEEN AT W END OF SE POLYGON IN 2006. SEEN IN SW POLYGON IN 2008, 2009, AND 2015. INCLUDES FORMER OCCURRENCE #52.						
Owner/Manager:	SDG COUNTY, CITY OF SDG, PVT						

Occurrence No.	53	Map Index:	92588	EO Index:	31991	Element Last Seen:	2008-10-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-10-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0117 / -117.1713				Accuracy:	specific area	
UTM:	Zone-11 N3652597 E484000				Elevation (ft):	60	
PLSS:	T13S, R03W, Sec. 27, SE (S)				Acres:	16.0	
Location:	ALONG LUSARDI CREEK AT CONFLUENCE WITH SAN DIEGUITO RIVER AND UP TO 0.5 MILE UPSTREAM OF CONFLUENCE.						
Detailed Location:	5 POLYGONS MAPPED BY CNDDB. WESTERN POLYGON IS BASED ON A 1983 WIER MAP, SECOND WESTERNMOST POLYGON IS BASED ON 2002 VEGETATION SURVEY COORDINATES, 3 EASTERN POLYGONS ARE BASED ON 2013 SAN DIEGO COUNTY DIGITAL DATA.						
Ecological:	GROWING IN SANDY RIVER TERRACE OF CREEK. WEEDY FLOODPLAIN WITH FOENICULUM VULGARE AND HAPLOPAPPUS VENETUS VERNONIOIDES. SOIL MAPPED AS TUJUNGA SAND. INLAND SCRUB WITH PICRIS ECHIOIDES, BACCHARIS SALICIFOLIA, AND POLYPOGON MONSPELIENSIS.						
General:	FEWER THAN 10 PLANTS SEEN IN W POLYGON IN 1983. 1% COVER OF IVA IN 2ND W POLYGON IN 2002. POPULATION NUMBERS FOR 3 EASTERN POLYGONS FROM EAST TO WEST: 3, 1, AND 2 PLANTS OBSERVED IN 2008. A 2008 CAIN COLLECTION REPORTS 30 PLANTS IN AREA.						
Owner/Manager:	PVT, SDG COUNTY						



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Occurrence No.	54	Map Index:	36995	EO Index:	31992	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2002-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-08-28	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05582 / -117.19073			Accuracy:	non-specific area		
UTM:	Zone-11 N3657491 E482194			Elevation (ft):	200		
PLSS:	T13S, R03W, Sec. 9 (S)			Acres:	493.0		
Location:	ALONG ESCONDIDO CREEK NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	4 POLYGONS MAPPED BY CNDDB. LARGE SOUTHERN POLY IS NON-SPECIFIC, MAPPED AROUND TRS SITE DESCRIPTION PROVIDED WITH A 1985 SURVEY FORM, UNKNOWN WHERE PLANTS SEEN WITHIN SITE. REMAINING POLYS BASED ON SPECIFIC MAPS FROM 2001, 2002, AND 2004.						
Ecological:	RIPARIAN WOODLAND. FOUND WITH ARTEMISIA PALMERI.						
General:	FEWER THAN 50 PLANTS OBSERVED IN 1985 WITHIN THE SOUTHERN POLYGON. UNKNOWN NUMBER OF PLANTS SEEN IN REMAINING POLYGONS IN 2001 AND 2002. NEEDS FIELDWORK. INCLUDES FORMER OCCURRENCE #63.						
Owner/Manager:	PVT						

Occurrence No.	55	Map Index:	36997	EO Index:	31994	Element Last Seen:	1992-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1992-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1997-10-01	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10387 / -117.22779			Accuracy:	specific area		
UTM:	Zone-11 N3662825 E478745			Elevation (ft):	350		
PLSS:	T12S, R03W, Sec. 30, NE (S)			Acres:	14.3		
Location:	NORTH SIDE OF SAN MARCOS CREEK JUST WEST OF EL CAMINO, SOUTHWEST OF LAKE SAN MARCOS.						
Detailed Location:	NORTH END OF ARROYO LA COSTA PROJECT.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS AND MICHAEL BRANDMAN ASSOCIATES.						
Owner/Manager:	PVT, CNLM						



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Occurrence No.	56	Map Index:	36998	EO Index:	31995	Element Last Seen:	2012-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-15
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07177 / -117.22675				Accuracy:	specific area	
UTM:	Zone-11 N3659266 E478835				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 6 (S)				Acres:	24.0	
Location:	NEAR ENCINITAS CREEK ABOUT 1 MILE EAST OF EL CAMINO REAL, NORTHEAST OF OLIVENHAIN.						
Detailed Location:	MAPPED AS THREE POLYGONS ALONG BOTH SIDES OF ENCINITAS CREEK.						
Ecological:	SAN ANTONIO PEAK VOLCANICS, CLAY SOIL, NORTH SLOPE. SAGE SCRUB WITH GRASSY OPENINGS. ASSOCIATED WITH SALVIA MELLIFERA, MALOSMA LAURINA, ERIOGONUM FASCICULATUM, SISYRINCHIUM BELLUM, AND VULPIA MYUROS.						
General:	MAJORITY OF SITE IS BASED ON MAP FROM "BIOLOGICAL RESOURCES AND HABITAT ANALYSIS, CITY OF CARLSBAD" BY DUDEK AND ASSOC (1992). PORTION OF NE POLYGON OBSERVED IN 2012.						
Owner/Manager:	PVT						

Occurrence No.	62	Map Index:	62166	EO Index:	62202	Element Last Seen:	1998-10-21
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1998-10-21
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2005-08-02
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05962 / -117.21638				Accuracy:	80 meters	
UTM:	Zone-11 N3657917 E479800				Elevation (ft):	130	
PLSS:	T13S, R03W, Sec. 08, NW (S)				Acres:	0.0	
Location:	ALONG NORTHERN TRIBUTARY TO ESCONDIDO CREEK; NORTHEAST OF OLIVENHAIN, 2 AIR MILES NORTHWEST OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	PRIVATE BACKYARD BETWEEN LONE JACK ROAD AND RANCHO ENCINITAS DRIVE.						
Ecological:	OPEN RIPARIAN VEGETATION WITHIN NARROW, ROCKY DRAINAGE. FOUND WITH SALIX SPP., BACCHARIS GLUTINOSA, TYPHA SPP., AND MANY OTHERS.						
General:	OVER 100 PLANTS OBSERVED IN 1998.						
Owner/Manager:	PVT						



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Occurrence No.	64	Map Index:	A6110	EO Index:	107865	Element Last Seen:	2000-05-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06394 / -117.17047				Accuracy:	specific area	
UTM:	Zone-11 N3658388 E484087				Elevation (ft):	350	
PLSS:	T13S, R03W, Sec. 10, NE (S)				Acres:	35.0	
Location:	ALONG ESCONDIDO CREEK, ABOUT 1.7 AIR MILES NORTHEAST OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	3 POLYGONS MAPPED AROUND THE COMMON CORNER OF SECTIONS 2, 3, 10, AND 11, MOSTLY IN THE NE 1/4 OF SECTION 10.						
Ecological:	THE RARE PLANTS JUNCUS ACUTUS SSP. LEOPOLDII, ADOLPHIA CALIFORNICA, AND ARTEMISIA PALMERI ALSO OCCUR IN THESE DRAINAGES.						
General:	SEVERAL HUNDRED PLANTS OBSERVED IN 2000.						
Owner/Manager:	UNKNOWN						

Occurrence No.	65	Map Index:	62170	EO Index:	62206	Element Last Seen:	2009-07-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-07-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04114 / -117.13249				Accuracy:	specific area	
UTM:	Zone-11 N3655855 E487629				Elevation (ft):	170	
PLSS:	T13S, R02W, Sec. 18, SW (S)				Acres:	10.0	
Location:	SAN DIEGUITO RIVER, ABOUT 0.3 AND 0.4 AIR MI SOUTHWEST OF LAKE HODGES DAM, SOUTH OF DEL DIOS HIGHWAY.						
Detailed Location:	2 POLYGONS MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 18 ACCORDING TO 2006 BUEGGE COORDINATES AND 2009 VEGETATION SURVEY COORDINATES.						
Ecological:	GENTLE SLOPES. ROCKY TERRAIN (GREY BOULDERS AND BEDROCK) WITH SANDY DEPOSITS. AMONG ROCKS IN FLOODPLAIN. WILLOW-SYCAMORE RIPARIAN WOODLAND. ASSOCIATED WITH SALIX, PLATANUS RACEMOSA, TYPHA, BACCHARIS SALICIFOLIA, AND EUCALYPTUS.						
General:	PLANTS NOTED AS "ABUNDANT" IN NE POLYGON IN 2006. <1% COVER OF IVA HAYESIANA SEEN IN SW POLYGON IN 2009. A 1929 MEYER COLLECTION FROM "STREAM BED BELOW LAKE HODGES DAM" IS ALSO ATTRIBUTED TO THIS OCCURRENCE.						
Owner/Manager:	SAN DIEGUITO RIVER PARK						



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Occurrence No.	66	Map Index:	62171	EO Index:	62207	Element Last Seen:	1971-12-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1971-12-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-08-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01306 / -117.23912				Accuracy:	non-specific area	
UTM:	Zone-11 N3652761 E477665				Elevation (ft):	50	
PLSS:	T13S, R04W, Sec. 25 (S)				Acres:	70.6	
Location:	0.5 MI WEST OF J.M. TRAINING STABLES, ALONG EL CAMINO REAL ON THE SOUTH EDGE OF SAN ELIJO LAGOON.						
Detailed Location:	UNABLE TO LOCATE STABLES; MAPPED AS BEST GUESS ALONG EL CAMINO REAL SOUTHWEST OF THE LAGOON.						
Ecological:							
General:	1971 SEALANDER COLLECTION IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	70	Map Index:	64981	EO Index:	65060	Element Last Seen:	2007-05-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2007-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02421 / -117.21117				Accuracy:	non-specific area	
UTM:	Zone-11 N3653991 E480278				Elevation (ft):	115	
PLSS:	T13S, R03W, Sec. 20, S (S)				Acres:	159.0	
Location:	ALONG UNNAMED DRAINAGE WEST OF INTERSECTION OF SAN ELIJO AND VIA DE LA CUMBRE AND WITHIN RANCHO SANTA FE GOLF COURSE.						
Detailed Location:	SMALL POLYGON IS SPECIFIC, BASED ON 2007 COORDINATES FROM RECON ENVIRONMENTAL. LARGE POLYGON IS NON-SPECIFIC, MAPPED TO ENCOMPASS GOLF COURSE BASED ON 1948 COLLECTION FROM "RANCHO SANTA FE, GOLF COURSE POND BANK."						
Ecological:	ORNAMENTAL VEGETATION WITH GROUND COVER OF CARPOBROTUS EDULIS AND FRESHWATER MARSH DOMINATED BY TYPHA DOMINGENSIS, ADJACENT TO AN UNNAMED DRAINAGE. ALTAMONT CLAY SOILS. THE RARE JUNCUS ACUTUS SSP. LEOPOLDII ALSO OCCURS HERE.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN SMALL NORTH POLYGON IN 2007, SITE QUALITY NOTED AS "FAIR." SOUTHERN POLYGON BASED ON A 1948 NOBS COLLECTION FROM "RANCHO SANTA FE, GOLF COURSE POND BANK."						
Owner/Manager:	PVT						



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Occurrence No.	71	Map Index:	64982	EO Index:	65061	Element Last Seen:	2005-09-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-09-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08893 / -117.30384				Accuracy:	non-specific area	
UTM:	Zone-11 N3661187 E471644				Elevation (ft):	10	
PLSS:	T12S, R04W, Sec. 33 (S)				Acres:	231.3	
Location:	BATIQUITOS LAGOON ECOLOGICAL RESERVE, LEUCADIA. SW SIDE NEAR I-5 & LA COSTA AVE.						
Detailed Location:	EXACT LOCATION UNKNOWN. JUNCTION OF I-5 AND LA COSTA AVE IS NEAR THE SE, NOT THE SW, PORTION OF THE RESERVE. MAPPED BY CNDDB NON-SPECIFICALLY ACROSS THE FULL EXTENT OF THE RESERVE.						
Ecological:	COASTAL SALT MARSH AND ADJACENT DRY DISTURBED SLOPES AND FLATS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2005 COLLECTION BY SANDERS AND SALVATO. BETTER LOCATION INFORMATION NEEDED.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						

Occurrence No.	105	Map Index:	92669	EO Index:	93820	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-06
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10470 / -117.21030				Accuracy:	specific area	
UTM:	Zone-11 N3662914 E480377				Elevation (ft):	420	
PLSS:	T12S, R03W, Sec. 29, NE (S)				Acres:	1.0	
Location:	SAN MARCOS CREEK, APPROXIMATELY 0.3 AIR MILE SOUTH OF LAKE SAN MARCOS DAM, SW OF CERRO DE LAS POSAS.						
Detailed Location:	WITHIN RANCHO LA COSTA PRESERVE. MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 29 ACCORDING TO 2008 CNLM DIGITAL DATA.						
Ecological:							
General:	500 PLANTS OBSERVED IN 2003.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						



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Occurrence No.	106	Map Index:	92671	EO Index:	93823	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-26
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09110 / -117.24445				Accuracy:	specific area	
UTM:	Zone-11 N3661414 E477187				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 36, NE (S)				Acres:	2.0	
Location:	SAN MARCOS CREEK, APPROXIMATELY 1.4 AIR MILES ENE OF THE INTERSECTION OF LA COSTA AVE AND EL CAMINO REAL, LA COSTA.						
Detailed Location:	SOUTHERN PORTION OF BOX CANYON. THE MAJORITY OF SAN MARCOS CREEK, AS IT TRAVELS THROUGH BOX CANYON, IS LINED WITH PATCHES OF IVA HAYESIANA. MAPPED ON THE EASTERN BORDER OF THE NE 1/4 OF SECTION 36 ACCORDING TO A 2010 CNLM MAP.						
Ecological:							
General:	CNLM RANCHO LA COSTA PRESERVE: MANY LARGE PATCHES OBSERVED IN 2008, SEVERAL MORE PATCHES LOCATED IN 2010. SEVERAL PATCHES OBSERVED IN 2009/2010 IN ADJACENT LA COSTA CANYON PARK.						
Owner/Manager:	CNLM, CITY OF CARLSBAD						

Occurrence No.	107	Map Index:	92672	EO Index:	93825	Element Last Seen:	2009-09-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-09-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-06
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07730 / -117.17061				Accuracy:	80 meters	
UTM:	Zone-11 N3659870 E484076				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 03, NE (S)				Acres:	0.0	
Location:	ALONG ELFIN FOREST RD BETWEEN ELFIN FOREST LN AND ELFIN CREEK TRAIL, APPROXIMATELY 2 AIR MILES SSW OF FRANKS PEAK.						
Detailed Location:	MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 3 ACCORDING TO A 2010 AECOM MAP.						
Ecological:	SOUTHERN WILLOW SCRUB.						
General:	FEWER THAN 10 PLANTS OBSERVED IN 2009.						
Owner/Manager:	PVT						



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Occurrence No.	108	Map Index:	92354	EO Index:	93827	Element Last Seen:	2015-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03230 / -117.16300			Accuracy:	non-specific area		
UTM:	Zone-11 N3654880 E484778			Elevation (ft):	100		
PLSS:	T13S, R03W, Sec. 23 (S)			Acres:	109.0		
Location:	SANTA FE VALLEY PARK; JUST NORTH AND SOUTH OF WHERE THE SECOND SAN DIEGO AQUEDUCT CROSSES THE SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED BY CNDDB AROUND HABITAT MANAGEMENT AREAS 3-6 AS DESCRIBED IN A HABITAT MANAGEMENT PLAN REPORT FOR THE CROSBY AT RANCHO SANTA FE. OBSERVED IN HABITAT MANAGEMENT AREA 3 IN 2015 (N END OF POLYGON).						
Ecological:	OTHER RARE SPECIES IN THIS AREA INCLUDE ADOLPHIA CALIFORNICA, QUERCUS DUMOSA, CEANOTHUS VERRUCOSUS, ARTEMISIA PALMERI, JUNCUS ACUTUS SSP. LEOPOLDII, AND COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA.						
General:	UNK # OF PLANTS OBSERVED ON AN UNK DATE; LIKELY 2011. OBSERVED IN 2015 AT NE END OF SITE. OBSERVATION FROM REISER'S RARE PLANTS OF SDG CO ALSO CITES "A VIGOROUS POP ON CREEK 1 MI W OF LAKE HODGES & S OF DEL DIOS HWY & SAN DIEGUITO RIVER."						
Owner/Manager:	SDG COUNTY						

Occurrence No.	109	Map Index:	92676	EO Index:	93828	Element Last Seen:	2012-08-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-08-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11951 / -117.31443			Accuracy:	80 meters		
UTM:	Zone-11 N3664580 E470666			Elevation (ft):	40		
PLSS:	T12S, R04W, Sec. 20, NE (S)			Acres:	0.0		
Location:	APPROXIMATELY 0.3 AIR MILE SOUTHEAST OF INTERSECTION OF PASEO DEL NORTE AND PALOMAR AIRPORT ROAD, CARLSBAD.						
Detailed Location:	0.25 MI EAST OF PASEO DEL NORTE ALONG NORTH SIDE OF UNNAMED CREEK NEAR COSTCO STORE PARKING LOT. MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 20 ACCORDING TO 2012 RIEFNER COORDINATES.						
Ecological:	RIPARIAN SCRUB.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2012 RIEFNER COLLECTION, PLANTS NOTED AS "LOCALLY COMMON."						
Owner/Manager:	UNKNOWN						



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Occurrence No.	110	Map Index:	92678	EO Index:	93831	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.12142 / -117.26285				Accuracy:	specific area	
UTM:	Zone-11 N3664778 E475478				Elevation (ft):	160	
PLSS:	T12S, R04W, Sec. 23, NE (S)				Acres:	2.0	
Location:	EAST OF EL CAMINO REAL BETWEEN POINSETTIA LN AND PALOMAR AIRPORT RD, ABOUT 1.5 AIR MILES WNW OF RANCHO DE LOS QUIOTES.						
Detailed Location:	2 POLYGONS MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 23 ACCORDING TO 2008 CNLM DIGITAL DATA.						
Ecological:							
General:	50 PLANTS OBSERVED IN EACH POLYGON IN 2003.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	111	Map Index:	92680	EO Index:	93832	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11515 / -117.25705				Accuracy:	specific area	
UTM:	Zone-11 N3664082 E476018				Elevation (ft):	110	
PLSS:	T12S, R04W, Sec. 24, SW (S)				Acres:	1.0	
Location:	SOUTH SIDE OF POINSETTIA LN BETWEEN ALICANTE RD AND EL FUERTE ST, ABOUT 1.1 AIR MILES WSW OF RANCHO DE LOS QUIOTES.						
Detailed Location:	MAPPED IN THE NORTH 1/2 OF THE SW 1/4 OF SECTION 24 ACCORDING TO 2008 CNLM DIGITAL DATA.						
Ecological:							
General:	500 PLANTS OBSERVED IN 2003.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	124	Map Index:	A1480	EO Index:	103061	Element Last Seen:	2014-06-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01821 / -117.10953				Accuracy:	specific area	
UTM:	Zone-11 N3653311 E489770				Elevation (ft):	540	
PLSS:	T13S, R02W, Sec. 29, N (S)				Acres:	4.0	
Location:	EAST OF DOVE CANYON ROAD BETWEEN RANCHO BERNARDO ROAD AND CAMINO DEL NORTE, WEST OF RANCHO BERNARDO.						
Detailed Location:	MAPPED ACCORDING TO 2014 RECON ENVIRONMENTAL DIGITAL DATA, IN THE NORTH 1/2 OF SECTION 29.						
Ecological:	COASTAL AND VALLEY FRESHWATER MARSH, EMERGENT WETLAND, AND EUCALYPTUS RIPARIAN HABITATS.						
General:	125 PLANTS OBSERVED IN 2014.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	125	Map Index:	A1481	EO Index:	103062	Element Last Seen:	2014-06-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01962 / -117.11817				Accuracy:	specific area	
UTM:	Zone-11 N3653469 E488964				Elevation (ft):	510	
PLSS:	T13S, R02W, Sec. 30, NE (S)				Acres:	3.0	
Location:	JUST NE OF THE JUNCTION OF RANCHO BERNARDO ROAD AND CAMINO DEL NORTE, WEST OF RANCHO BERNARDO.						
Detailed Location:	MAPPED ACCORDING TO 2014 RECON ENVIRONMENTAL DIGITAL DATA, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 29 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 30.						
Ecological:	WILLOW RIPARIAN, SOUTHERN WILLOW SCRUB, AND EUCALYPTUS WOODLAND HABITATS.						
General:	81 PLANTS OBSERVED IN 2014.						
Owner/Manager:	UNKNOWN						

Occurrence No.	126	Map Index:	A1483	EO Index:	103064	Element Last Seen:	2014-07-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2014-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02068 / -117.13397				Accuracy:	specific area	
UTM:	Zone-11 N3653587 E487488				Elevation (ft):	525	
PLSS:	T13S, R02W, Sec. 30, NW (S)				Acres:	1.0	
Location:	JUST SW OF THE JUNCTION OF CAMINO DEL SUR AND BABCOCK STREET, BETWEEN RANCHO BERNARDO AND RANCHO SANTA FE.						
Detailed Location:	MAPPED ACCORDING TO 2014 RECON ENVIRONMENTAL DIGITAL DATA, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 30.						
Ecological:	RESTORED COASTAL SAGE SCRUB.						
General:	2 PLANTS OBSERVED IN 2014.						
Owner/Manager:	UNKNOWN						

Occurrence No.	128	Map Index:	A1486	EO Index:	103067	Element Last Seen:	2015-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04185 / -117.14436				Accuracy:	80 meters	
UTM:	Zone-11 N3655936 E486520				Elevation (ft):	140	
PLSS:	T13S, R03W, Sec. 13, SW (S)				Acres:	5.0	
Location:	SAN DIEGUITO RIVER, JUST SE OF BM 143, SANTA FE VALLEY PARK.						
Detailed Location:	MAPPED ACCORDING TO 2015 MORSE COORDINATES, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 13.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	129	Map Index:	A1487	EO Index:	103068	Element Last Seen:	2008-05-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-05-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0325 / -117.235			Accuracy:	80 meters		
UTM:	Zone-11 N3654914 E478055			Elevation (ft):	36		
PLSS:	T13S, R03W, Sec. 19, NW (S)			Acres:	5.0		
Location:	SW CORNER OF ENCINITAS BLVD AND LA BAJADA, SAN ELIJO LAGOON ECOLOGICAL RESERVE.						
Detailed Location:	MAPPED ACCORDING TO 2008 MAURO COORDINATES, IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 19.						
Ecological:	SEASONAL MARSHLAND BORDERING ESCONDIDO CREEK WITH COMBINATION OF SANDY/CLAY SOILS. RIPARIAN AND FRESHWATER MARSH PLANTS WITH SOME EUCALYPTUS TREES.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2008 MAURO COLLECTION.						
Owner/Manager:	SDG COUNTY						
Occurrence No.	138	Map Index:	A6154	EO Index:	107910	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03079 / -117.13402			Accuracy:	non-specific area		
UTM:	Zone-11 N3654708 E487485			Elevation (ft):			
PLSS:	T13S, R02W, Sec. 19, NW (S)			Acres:	26.0		
Location:	ALONG A TRIBUTARY TO SAN DIEGUITO RIVER, ABOUT 1 AIR MILE SSW OF LAKE HODGES DAM.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB TO ENCOMPASS SURVEY AREA PROVIDED ON A 2002 ECOLOGICAL ADVENTURES CALIFORNIA, INC. MAP.						
Ecological:	CISMONTANE ALKALI MARSH COMMUNITY. THE RARE JUNCUS ACUTUS ALSO OCCURS IN THIS COMMUNITY.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2002.						
Owner/Manager:	SDG COUNTY						
Occurrence No.	139	Map Index:	A6155	EO Index:	107911	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03041 / -117.17934			Accuracy:	specific area		
UTM:	Zone-11 N3654672 E483252			Elevation (ft):	150		
PLSS:	T13S, R03W, Sec. 22, NW (S)			Acres:	6.0		
Location:	WEST END OF SIETE LEGUAS, SOUTH OF DEL DIOS, RANCHO SANTA FE.						
Detailed Location:	3 POLYGONS MAPPED IN THE SE 1/4 OF THE NW 1/4 OF SECTION 22 ACCORDING TO A 2000 DUDEK & ASSOCIATES MAP.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. ALSO ASSOCIATED WITH ADOLPHIA CALIFORNICA, JUNCUS ACUTUS, AND FEROCACTUS VIRIDESCENS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000.						
Owner/Manager:	PVT						



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Occurrence No.	140	Map Index:	A6156	EO Index:	107912	Element Last Seen:	2011-07-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-07-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00373 / -117.27147				Accuracy:	80 meters	
UTM:	Zone-11 N3651733 E474641				Elevation (ft):	20	
PLSS:	T13S, R04W, Sec. 35, NW (S)				Acres:	5.0	
Location:	SOLANA BEACH, N RIOS TRAIL, 100 YARDS EAST OF TRAILHEAD, SAN ELIJO LAGOON PRESERVE.						
Detailed Location:	MAPPED IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 35 ACCORDING TO 2011 LAGRANGE COORDINATES.						
Ecological:	SANDY ALLUVIUM. ASSOCIATED WITH RHUS INTEGRIFOLIA, BACCHARIS SALICIFOLIA, AND ARTEMISIA PALMERI.						
General:	SITE IS BASED ON A 2011 LAGRANGE COLLECTION.						
Owner/Manager:	SDG COUNTY						
Occurrence No.	141	Map Index:	A6157	EO Index:	107914	Element Last Seen:	2017-07-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-07-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-30
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17288 / -117.2843				Accuracy:	specific area	
UTM:	Zone-11 N3670488 E473494				Elevation (ft):	225	
PLSS:	T11S, R04W, Sec. 34, SE (S)				Acres:	1.0	
Location:	NORTH SIDE OF CALAVERA LAKE, ABOUT 0.7 AIR MILE SOUTHEAST OF THE JUNCTION OF COLLEGE BLVD AND LAKE BLVD, CARLSBAD.						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 34 ACCORDING TO 2017 COORDINATES FROM TOLLETT AND MORSE.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017.						
Owner/Manager:	CITY OF CARLSBAD						
Occurrence No.	142	Map Index:	A6158	EO Index:	107915	Element Last Seen:	2017-07-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-07-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-30
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17467 / -117.2748				Accuracy:	specific area	
UTM:	Zone-11 N3670685 E474380				Elevation (ft):	250	
PLSS:	T11S, R04W, Sec. 35, SW (S)				Acres:	3.0	
Location:	EAST OF CALAVERA LAKE, BETWEEN 0.4 AND 0.8 AIR MILES WNW OF SAN FRANCISCO PEAK, CARLSBAD.						
Detailed Location:	3 POLYGONS MAPPED IN THE NORTH 1/2 OF THE SW 1/4 OF SECTION 35 ACCORDING TO 2017 COORDINATES FROM MORSE AND TOLLETT.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017.						
Owner/Manager:	CITY OF CARLSBAD						



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Lasthenia glabrata ssp. coulteri

Element Code: PDAST5L0A1

Coulter's goldfields

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4T2
State: None **State:** S2
Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden
Habitat: **General:** COASTAL SALT MARSHES, PLAYAS, VERNAL POOLS.
Micro: USUALLY FOUND ON ALKALINE SOILS IN PLAYAS, SINKS, AND GRASSLANDS. 1-1375 M.

Occurrence No. 42 **Map Index:** 23754 **EO Index:** 18606 **Element Last Seen:** 1935-02-27
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1935-02-27
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-11-23

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.09036 / -117.28418 **Accuracy:** 1 mile
UTM: Zone-11 N3661340 E473479 **Elevation (ft):**
PLSS: T12S, R04W, Sec. 34 (S) **Acres:** 0.0

Location: SAN MARCOS CREEK, GREEN VALLEY.

Detailed Location: SALT MARSH AREA KNOWN AS BATIQUITOS LAGOON. MAPPED BY CNDDB AS BEST GUESS AROUND BATIQUITOS LAGOON NEAR WHERE SAN MARCOS CREEK AND GREEN VALLEY COME TOGETHER.

Ecological: SALT MARSH.

General: SITE BASED ON A 1935 GANDER COLLECTION. ZEDLER REPORT CITES "BATIQUITOS LAGOON" AND IS ATTRIBUTED TO THIS OCCURRENCE. INCLUDES FORMER OCCURRENCE #66.

Owner/Manager: UNKNOWN

Occurrence No. 62 **Map Index:** 35062 **EO Index:** 48236 **Element Last Seen:** 1894-03-28
Occ. Rank: None **Presence:** Possibly Extirpated **Site Last Seen:** 1894-03-28
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-11-30

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.04143 / -117.27993 **Accuracy:** 1 mile
UTM: Zone-11 N3655914 E473862 **Elevation (ft):**
PLSS: T13S, R04W (S) **Acres:** 0.0

Location: ENCINITAS.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS IN THE VICINITY OF ENCINITAS.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1894 BRANDEGEE COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Occurrence No.	99	Map Index:	97619	EO Index:	98958	Element Last Seen:	2017-04-04
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2017-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-04-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01686 / -117.24866				Accuracy:	80 meters	
UTM:	Zone-11 N3653184 E476775				Elevation (ft):	3	
PLSS:	T13S, R04W, Sec. 25, NW (S)				Acres:	0.0	
Location:	NE END OF SAN ELIJO LAGOON, ABOUT 0.5 AIR MILE SE OF MANCHESTER AVE/S EL CAMINO REAL JUNCTION, EAST OF SOLANA BEACH.						
Detailed Location:	NORTH OF STONEBRIDGE DEVELOPMENT, JUST WEST OF UTILITY EASEMENT AND POWER LINES. MAPPED ACCORDING TO 2015 HERMAN COORDINATES, IN THE SE 1/4 OF THE NW 1/4 OF SECTION 25.						
Ecological:	SOUTHERN COASTAL SALT MARSH. GROWS WITH SALICORNIA PACIFICA. TAMARIX IS ABOUT 50-100 FEET AWAY FROM THIS POPULATION.						
General:	"ISOLATED PATCH" OBSERVED IN 1991. 10,000 PLANTS OBSERVED IN 2015. 2017 PHOTO FROM SAN ELIJO LAGOON ECOLOGICAL RESERVE ATTRIBUTED TO THIS SITE.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						
Occurrence No.	111	Map Index:	B2942	EO Index:	114871	Element Last Seen:	2017-03-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-03-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-04-24
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35611 / -117.27846				Accuracy:	80 meters	
UTM:	Zone-11 N3690801 E474092				Elevation (ft):	500	
PLSS:	T09S, R04W, Sec. 35, NW (S)				Acres:	5.0	
Location:	FALLBROOK NAVAL WEAPONS STATION; ALONG AMMUNITION ROAD AT FALLBROOK CREEK, ABOUT 2 MILES SW OF FALLBROOK.						
Detailed Location:	MAPPED BY CNDDDB FROM 2017 REBMAN COORDINATES, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 35.						
Ecological:	RIPARIAN VEGETATION AND ADJACENT COASTAL SAGE SCRUB. ASSOCIATES INCLUDE SALIX LASIOLEPIS, ARTEMISIA DOUGLASIANA, MALOSMA LAURINA, URTICA DIOICA, ARTEMISIA CALIFORNICA, AND QUERCUS AGRIFOLIA.						
General:	RARE ALONG ROAD IN 2017.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Cryptantha wigginsii</i>			Element Code: PDBOR0A400		
Wiggins' cryptantha					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G2
	State:	None		State:	S1
	Other:	Rare Plant Rank - 1B.2			
Habitat:	General:	COASTAL SCRUB.			
	Micro:	OFTEN ON CLAY SOILS. 45-110 M.			



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Occurrence No.	1	Map Index:	89895	EO Index:	90896	Element Last Seen:	2013-06-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-06-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-08-06
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13005 / -117.29552			Accuracy:	80 meters		
UTM:	Zone-11 N3665744 E472433			Elevation (ft):	240		
PLSS:	T12S, R04W, Sec. 15, SW (S)			Acres:	0.0		
Location:	CARLSBAD OPEN SPACE; JUST NORTH OF COLLEGE BOULEVARD APPROXIMATELY 0.5 ROAD MILE NE OF PALOMAR AIRPORT ROAD, CARLSBAD.						
Detailed Location:	75 METERS NORTH OF COLLEGE BOULEVARD NEAR CROSSINGS GOLF COURSE. ADJACENT TO UNDEVELOPED PAD.						
Ecological:	HERBACEOUS COMMUNITY ON SLOPE EDGE ADJACENT TO UNDEVELOPED GRADED PAD IN DIABLO CLAY SOIL JUST UPHILL FROM WHITE SANDY SOIL CONTAINING SOUTHERN MARITIME CHAPARRAL ASSOCIATED SHRUBS. ASSOCIATED WITH HARPAGONELLA PALMERI, APIASTRUM, ETC.						
General:	APPROXIMATELY 20 PLANTS OBSERVED IN 2012. 200-400 PLANTS OBSERVED IN 2013 (AREA OF OCCUPANCY WAS VERY SMALL, ~15 X 10 FEET).						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	2	Map Index:	89909	EO Index:	90897	Element Last Seen:	2013-03-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-03-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-08-06
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16014 / -117.29587			Accuracy:	specific area		
UTM:	Zone-11 N3669079 E472410			Elevation (ft):	160		
PLSS:	T12S, R04W, Sec. 03, SW (S)			Acres:	2.0		
Location:	ROBERTSON RANCH PRESERVE, VILLAGE X PARCEL, BETWEEN EDINBURGH DRIVE AND PLEASANT VALE DRIVE, CARLSBAD.						
Detailed Location:	MAPPED AS 2 POLYGONS. ACCESSED FROM DIRT ROAD RUNNING SOUTH-SOUTHWEST FROM BASIN ROAD. SITE OWNED BY CALAVERA HILLS HOMEOWNERS ASSOCIATION; SE POLYGON UNDER CONSERVATION EASEMENT HELD BY THE CENTER FOR NATURAL LANDS MANAGEMENT.						
Ecological:	OPENINGS IN SCRUB VEGETATION ON CLAY SOILS RANGING FROM ROCKY AND RUST COLORED TO GREY AND MOSTLY ROCKLESS. ASSOCIATED WITH HARPAGONELLA PALMERI, APIASTRUM ANGUSTIFOLIUM, CENTAUREA MELITENSIS, DEINANDRA FASCICULATA, LYSIMACHIA ARVENSIS.						
General:	SEVERAL PLANTS OBSERVED IN 2009 AND 2010, 1 PLANT IN 2011. IN 2012, THE SW POLYGON HAD 267 PLANTS AND THE NE POLYGON HAD 60 PLANTS (OUTSIDE OF HCA). 3450 PLANTS IN 2013.						
Owner/Manager:	PVT						



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Occurrence No.	3	Map Index:	89900	EO Index:	90901	Element Last Seen:	2013-05-08
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-05-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-08-07
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17330 / -117.31620				Accuracy:	80 meters	
UTM:	Zone-11 N3670544 E470519				Elevation (ft):	190	
PLSS:	T11S, R04W, Sec. 32, SE (S)				Acres:	0.0	
Location:	HIDDEN CANYON PARK, APPROXIMATELY 0.5 AIR MILE SOUTH OF HWY 78 AND 0.1 MILE SW OF VANCOUVER STREET, CARLSBAD.						
Detailed Location:							
Ecological:	OPENING OF COASTAL SAGE SCRUB. HEAVY, CRUMBLY, DARK GRAY, SANDY, DIABLO CLAY SOIL. ASSOCIATED WITH APIASTRUM ANGUSTIFOLIUM, LOGFIA GALLICA, CENTAUREA MELITENSIS, LYSIMACHIA ARVENSIS, FOENICULUM VULGARE, BRASSICA NIGRA, DEINANDRA, ETC.						
General:	OBSERVED HERE IN 2010 AND 2011. IN 2012, 12 PLANTS WERE IN THIS POPULATION (MANY RECENTLY KILLED BY HERBICIDES). 1196 PLANTS OBSERVED IN 2013.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	4	Map Index:	89901	EO Index:	90902	Element Last Seen:	2013-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-08-06
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11816 / -117.26531				Accuracy:	1/10 mile	
UTM:	Zone-11 N3664418 E475248				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 23, NE (S)				Acres:	0.0	
Location:	RANCHO LA COSTA PRESERVE, THE GREENS, JUST EAST OF THE JUNCTION OF EL CAMINO REAL AND CAMINO VIDA ROBLE, CARLSBAD.						
Detailed Location:	MAPPED BY CNDDB AS BEST GUESS AROUND THE ACANTHOMINTHA ILICIFOLIA POPULATION ON THE RANCHO LA COSTA PRESERVE BASED ON A MCCONNELL NOTE THAT HE FOUND THIS POPULATION WHILE PERFORMING ACANTHOMINTHA COUNTS AND ASSESSMENT.						
Ecological:	ALTAMONT CLAY. ACANTHOMINTHA ILICIFOLIA IS AN ASSOCIATE AT THIS SITE.						
General:	JUST A FEW INDIVIDUALS OBSERVED IN 2012 AND 2013.						
Owner/Manager:	CITY OF CARLSBAD						



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Occurrence No.	5	Map Index:	89902	EO Index:	90904	Element Last Seen:	2013-04-19
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-04-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-08-06
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13467 / -117.29867				Accuracy:	80 meters	
UTM:	Zone-11 N3666257 E472141				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 16, NE (S)				Acres:	0.0	
Location:	MARCARIO CANYON, CITY OF CARLSBAD OPEN SPACE, JUST NORTH OF FARADAY AVENUE, CARLSBAD.						
Detailed Location:	600 FEET NORTH OF FARADAY AVENUE, 1400 FEET SOUTH OF SW TERMINUS OF TWAIN AVENUE.						
Ecological:	HERBACEOUS COMMUNITY IN DIABLO/HUERHUERO CLAY JUST UPHILL FROM WHITE SANDY SOIL CONTAINING SOUTHERN MARITIME CHAPARRAL ASSOCIATED SHRUBS. ASSOCIATED WITH CENTAUREA MELITENSIS, DEINANDRA FASCICULATA, HARPAGONELLA PALMERI, AND SONCHUS ASPER.						
General:	A FEW PLANTS OBSERVED LATE IN THE SEASON IN 2013.						
Owner/Manager:	CITY OF CARLSBAD						

<i>Harpagonella palmeri</i>				Element Code: PDBOR0H010			
Palmer's grapplinghook							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G4
	State:	None				State:	S3
	Other:	Rare Plant Rank - 4.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.					
	Micro:	CLAY SOILS; OPEN GRASSY AREAS WITHIN SHRUBLAND. 20-955 M.					

Occurrence No.	11	Map Index:	03462	EO Index:	12587	Element Last Seen:	1981-05-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1981-05-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13688 / -117.30019				Accuracy:	1/5 mile	
UTM:	Zone-11 N3666502 E472000				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 16, NE (S)				Acres:	0.0	
Location:	EVANS POINT OVERLOOKING VALLEY BRANCHING SE FROM AGUA HEDIONDA, S OF OCEANSIDE.						
Detailed Location:	MAPPED AS BEST GUESS IN AREA JUST SSW OF EVANS POINT AND HIGH POINT "AGUA."						
Ecological:	MESA-LIKE IN OPEN COASTAL SAGE SCRUB WITH BUNCH GRASSES AND DUDLEYA EDULIS. GROUND CARPETED WITH SELAGINELLA CINERASCENS.						
General:	LEAST DISTURBED SITE IN THE AREA ACCORDING TO BOYD, 1981. AREA PROPOSED AS A PARK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	15	Map Index:	03537	EO Index:	18155	Element Last Seen:	1986-04-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-11
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01394 / -117.27015				Accuracy:	80 meters	
UTM:	Zone-11 N3652865 E474766				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 26, SW (S)				Acres:	0.0	
Location:	SANDSTONE BLUFF ON NORTH SIDE OF SAN ELIJO LAGOON, WEST OF I-5.						
Detailed Location:	MAPPED IN NW1/4 OF SW1/4 SEC 26, JUST NE OF MANCHESTER AVE ON SMALL HILL.						
Ecological:	ON SANDSTONE SOIL IN COASTAL SAGE SCRUB. ASSOCIATED WITH ENCELIA CALIFORNICA, RHUS INTEGRIFOLIA.						
General:							
Owner/Manager:	PVT						

Occurrence No.	16	Map Index:	03838	EO Index:	20605	Element Last Seen:	1986-05-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-05-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-10-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03713 / -117.17239				Accuracy:	non-specific area	
UTM:	Zone-11 N3655416 E483902				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 15, SE (S)				Acres:	23.1	
Location:	NE OF RANCHO SANTA FE, N OF DEL DIOS RD.						
Detailed Location:	ALSO IN SW 1/4 OF SECTION 14.						
Ecological:	ANOTHER RARE PLANT: ADOLPHIA CALIFORNICA, ALSO KNOWN FROM THIS AREA.						
General:	3 SMALL SUBPOPULATIONS.						
Owner/Manager:	PVT						

Occurrence No.	21	Map Index:	17861	EO Index:	8977	Element Last Seen:	1990-04-21
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-04-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-07-22
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02828 / -117.25064				Accuracy:	80 meters	
UTM:	Zone-11 N3654449 E476593				Elevation (ft):	275	
PLSS:	T13S, R04W, Sec. 24, SW (S)				Acres:	0.0	
Location:	ON RIM OF LUX CANYON, E OF EL CAMINO REAL, S OF ENCINITAS BLVD.						
Detailed Location:	100 M NORTH OF END OF RYAN ROAD.						
Ecological:	LOWER EDGE OF GRASSLAND ON GENTLE E-FACING SLOPE, GABBRO SOILS. WITH ACANTHOMINTHA ILICIFOLIA.						
General:	300 PLANTS SEEN IN 1990.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	23	Map Index:	17860	EO Index:	12409	Element Last Seen:	1986-03-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1986-03-23
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2008-08-11
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13126 / -117.22530				Accuracy:	80 meters	
UTM:	Zone-11 N3665861 E478984				Elevation (ft):	490	
PLSS:	T12S, R03W, Sec. 17, SW (S)				Acres:	0.0	
Location:	JUST S OF ENCINITAS RD, ABOUT 400 YDS BEFORE THE JUNCTION WITH LINDA VISTA DRIVE.						
Detailed Location:	BESIDE A DRIVEWAY TO ENCINITAS RD. DRIVEWAY IS CONNECTED TO A DIRT RD.						
Ecological:	GRAVELLY OPENINGS IN CHAPARRAL WITH Q. DUMOSA, RHUS INTEGRIFOLIA, ADOLPHIA CALIFORNICA, ADENOSTOMA FASCICULATUM.						
General:	100-400 PLANTS SEEN IN 1986.						
Owner/Manager:	PVT						

Occurrence No.	37	Map Index:	21347	EO Index:	8514	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11745 / -117.26152				Accuracy:	specific area	
UTM:	Zone-11 N3664338 E475602				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 23, NE (S)				Acres:	2.9	
Location:	NE OF BATIQUITOS LAGOON, APPROX. 1.8 AIR MILES DUE NORTH OF LA COSTA COUNTRY CLUB.						
Detailed Location:	JUST NORTH OF THE GOLF COURSE. MAPPED AS 2 POLYGONS IN THE SE1/4 OF THE NE1/4 SEC 23.						
Ecological:	GROWING IN DIEGAN COASTAL SAGE SCRUB AND SOUTHERN MIXED CHAPARRAL.						
General:	3500 PLANTS SEEN DURING MAPPING SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	38	Map Index:	21348	EO Index:	8512	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11008 / -117.26356				Accuracy:	80 meters	
UTM:	Zone-11 N3663521 E475410				Elevation (ft):	150	
PLSS:	T12S, R04W, Sec. 23, SE (S)				Acres:	0.0	
Location:	NE OF BATIQUITOS LAGOON, APPROX. 1.25 AIR MILES DUE NORTH OF LA COSTA COUNTRY CLUB.						
Detailed Location:	ALONG WESTERN EDGE OF THE GOLF COURSE. IN SE1/4 OF SE1/4 SEC 23.						
Ecological:	GROWING IN NON-NATIVE GRASSLAND AND DIEGAN COASTAL SAGE SCRUB.						
General:	75 PLANTS SEEN DURING MAPPING SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	39	Map Index:	21349	EO Index:	21409	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10981 / -117.25482				Accuracy:	80 meters	
UTM:	Zone-11 N3663489 E476225				Elevation (ft):	370	
PLSS:	T12S, R04W, Sec. 24, SW (S)				Acres:	0.0	
Location:	NE OF BATIQUITOS LAGOON, APPROX. 0.4 AIR MILE NW OF "RADIO FACILITY" NORTH OF SAN MARCOS CREEK.						
Detailed Location:	MAPPED IN SE1/4 OF SW1/4 SEC 24.						
Ecological:	MOST OF THE POPULATION IN ANNUAL GRASSLAND WITH THE EASTERN PORTION GRADING INTO COASTAL SAGE SCRUB.						
General:	APPROX. 3000 PLANTS SEEN DURING MAPPING SURVEYS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	40	Map Index:	21350	EO Index:	8510	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10376 / -117.26422				Accuracy:	80 meters	
UTM:	Zone-11 N3662821 E475346				Elevation (ft):	120	
PLSS:	T12S, R04W, Sec. 26, NE (S)				Acres:	0.0	
Location:	NE OF BATIQUITOS LAGOON, APPROX. 0.8 AIR MILE DUE NORTH OF LA COSTA COUNTRY CLUB.						
Detailed Location:	SE 1/4 OF NE 1/4 SEC 26.						
Ecological:	GROWING IN NON-NATIVE GRASSLAND.						
General:	200 PLANTS SEEN IN MAPPING SURVEY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	42	Map Index:	21352	EO Index:	8558	Element Last Seen:	1991-05-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1991-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-12
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11738 / -117.23107				Accuracy:	specific area	
UTM:	Zone-11 N3664323 E478442				Elevation (ft):	450	
PLSS:	T12S, R03W, Sec. 19, NE (S)				Acres:	12.1	
Location:	JUST EAST OF RANCHO DE LOS QUIOTES. SW OF LAKE SAN MARCOS.						
Detailed Location:	MAPPED AS 2 SUBPOPULATIONS, ONE ON EITHER SIDE OF AN UNNAMED INTERMITTENT STREAM. SOUTHERN POPULATION IN SE1/4 OF NE1/4 SEC 19 AND NORTHERN POPULATION IN NE1/4 OF NE1/4 SEC 19.						
Ecological:	GROWING IN COASTAL SAGE AND GRASSLAND.						
General:	MORE THAN 50 PLANTS COUNTED IN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	43	Map Index:	21353	EO Index:	8557	Element Last Seen:	1991-05-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1991-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-12
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11405 / -117.24539				Accuracy:	specific area	
UTM:	Zone-11 N3663957 E477106				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 24, SE (S)				Acres:	15.3	
Location:	APPROX. 0.6 AIR MILE SW OF RANCHO DE LOS QUIOTES.						
Detailed Location:	RANGING IN ELEVATION FROM 250-340 FEET. MAPPED IN SE1/4 OF SE1/4 SEC 24.						
Ecological:	IN COASTAL SAGE SCRUB AND GRASSLAND NEAR THE HEAD OF AN UNNAMED INTERMITTENT STREAM.						
General:							
Owner/Manager:	PVT						

Occurrence No.	50	Map Index:	21764	EO Index:	18630	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00573 / -117.15347				Accuracy:	specific area	
UTM:	Zone-11 N3651932 E485664				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 35, NE (S)				Acres:	3.3	
Location:	JUST NORTH OF LUSARDI CREEK, APPROX. 2 KM FROM CONFLUENCE WITH SAN DIEGUITO RIVER.						
Detailed Location:							
Ecological:							
General:							
Owner/Manager:	PVT						

Occurrence No.	54	Map Index:	36161	EO Index:	31159	Element Last Seen:	1997-03-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1997-03-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-11-04
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06907 / -117.22134				Accuracy:	specific area	
UTM:	Zone-11 N3658965 E479339				Elevation (ft):	320	
PLSS:	T13S, R03W, Sec. 06, SE (S)				Acres:	9.3	
Location:	ENCINITAS; APPROX 2.4 MI NNE OF JCT ENCINITAS BLVD AND MANCHESTER AVE, JUST OFF OF WISHBONE WAY.						
Detailed Location:							
Ecological:	S-FACING SLOPE IN POCKETS OF CLAY SOIL IN GRASSLAND/COASTAL SAGE SCRUB ECOTONE. WITH ADOLPHIA CALIFORNICA AND DICHONDRA OCCIDENTALIS.						
General:	OVER 1000 PLANTS IN 1997. PORTION (MAJORITY) OF POPULATION TO BE PROTECTED IN OPEN SPACE EASEMENTS ON SLOPES.						
Owner/Manager:	PVT						



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Occurrence No.	55	Map Index:	36900	EO Index:	31897	Element Last Seen:	1997-04-02
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1997-04-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-09-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06306 / -117.21916				Accuracy:	80 meters	
UTM:	Zone-11 N3658299 E479541				Elevation (ft):	325	
PLSS:	T13S, R03W, Sec. 08, NW (S)				Acres:	0.0	
Location:	NE OF OLIVENHAIN; SW OF INTERSECTION OF LONE JACK ROAD AND DOUBLE LL RANCH ROAD. 2.0 MILES NW OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:	OPEN NATIVE GRASSLAND/OPEN CLAY ADJACENT TO CHAPARRAL AND NON-NATIVE GRASSLAND. WITH GRINDELIA ROBUSTA, ALLIUM PRAECOX, AND BLOOMERIA CROCEA. ADOLPHIA CALIFORNICA AND BRODIAEA FILIFOLIA NEARBY.						
General:	AT LEAST 500 PLANTS IN 1997.						
Owner/Manager:	PVT						

Caulanthus simulans

Element Code: PDBRA0M0H0

Payson's jewelflower

Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G4
	State:	None		State:	S4
	Other:	Rare Plant Rank - 4.2, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive			
Habitat:	General:	CHAPARRAL, COASTAL SCRUB.			
	Micro:	FREQUENTLY IN BURNED AREAS, OR IN DISTURBED SITES SUCH AS STREAMBEDS; ALSO ON ROCKY, STEEP SLOPES. SANDY, GRANITIC SOILS. 90-2200 M.			

Occurrence No.	45	Map Index:	04182	EO Index:	71411	Element Last Seen:	1940-03-30	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	1940-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	2007-11-26
Quad Summary:	Pala (3311731), Pechanga (3311741)							
County Summary:	San Diego							
Lat/Long:	33.36447 / -117.07586				Accuracy:	1 mile		
UTM:	Zone-11 N3691696 E492942				Elevation (ft):	400		
PLSS:	T09S, R02W, Sec. 27 (S)				Acres:	0.0		
Location:	NEAR PALA.							
Detailed Location:								
Ecological:	BURNED HILLS.							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1940 GANDER COLLECTION CITED IN A 1977 SPROUL REPORT.							
Owner/Manager:	BIA-PALA RES							

Erysimum ammophilum

Element Code: PDBRA16010

sand-loving wallflower

Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.2, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden			
Habitat:	General:	CHAPARRAL (MARITIME), COASTAL DUNES, COASTAL SCRUB.			



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Micro: SANDY OPENINGS. 3-320 M.							
Occurrence No.	24	Map Index:	22032	EO Index:	108667	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-11-13
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01372 / -117.26947				Accuracy:	1/5 mile	
UTM:	Zone-11 N3652840 E474831				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 26, W (S)				Acres:	0.0	
Location:	JUST WEST OF I-5 AND NORTH OF MANCHESTER RD IN ENCINITAS [CARDIFF-BY-THE-SEA].						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS AROUND KNOLL JUST WEST OF I-5 AND NORTH OF MANCHESTER AVE.						
Ecological:	SW-FACING SLOPE.						
General:	TWO PLANTS OBSERVED AT UNKNOWN DATE. ONLY SOURCE OF INFORMATION IS SITE DESCRIPTION PROVIDED BY REISER IN "RARE PLANTS OF SAN DIEGO COUNTY" (1994). NEEDS FIELDWORK. ID OF PLANTS FROM SAN DIEGO COUNTY IS UNCLEAR; POSSIBLY A NEW TAXON.						
Owner/Manager:	UNKNOWN						
Occurrence No.	25	Map Index:	A7144	EO Index:	108672	Element Last Seen:	2014-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-11-16
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22543 / -117.37013				Accuracy:	specific area	
UTM:	Zone-11 N3676339 E465512				Elevation (ft):	230	
PLSS:	T11S, R05W, Sec. 14, NE (S)				Acres:	12.0	
Location:	VICINITY OF WIRE MOUNTAIN, APPROXIMATELY 1 TO 1.7 AIR MILES EAST OF FALLBROOK JUNCTION, CAMP PENDLETON.						
Detailed Location:	MAPPED AS 5 POLYGONS BY CNDDDB BASED ON DIGITAL DATA PROVIDED BY CAMP PENDLETON, IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 14 AND THE SOUTH 1/2 OF SECTION 11.						
Ecological:	COASTAL SAGE SCRUB/RUDERAL. MOSTLY CLAY SUBSTRATES. ASSOCIATED WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA APIANA, LIMONIUM PEREZII, AND MIMULUS AURANTIACUS.						
General:	250 PLANTS OBSERVED BETWEEN THIS SITE AND OCCURRENCE #45 IN 1987. "UNCOMMON" IN WEST POLYGON IN 2012. UNKNOWN NUMBER OBSERVED IN 1999 & 2013/2014. ID OF PLANTS FROM SAN DIEGO COUNTY IS UNCLEAR; POSSIBLY A NEW TAXON.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	45	Map Index:	A7051	EO Index:	108774	Element Last Seen:	1997-07-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1997-07-08		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-11-16		
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.23823 / -117.37384			Accuracy:	specific area		
UTM:	Zone-11 N3677760 E465171			Elevation (ft):	280		
PLSS:	T11S, R05W, Sec. 11, N (S)			Acres:	18.0		
Location:	ABOUT 0.1-0.6 AIR MILE EAST OF VANDERGRIFT BLVD AND NORTH OF WIRE MOUNTAIN, CAMP PENDLETON.						
Detailed Location:	MAPPED BY CNDDDB AS 3 POLYGONS FROM CAMP PENDLETON DIGITAL DATA, IN NORTH HALF OF SECTION 11.						
Ecological:	SAGE SCRUB.						
General:	250 PLANTS SEEN BETWEEN THIS SITE AND OCCURRENCE #25 IN 1987. UNKNOWN NUMBER OF PLANTS SEEN IN 1997. ID OF PLANTS FROM SAN DIEGO COUNTY IS UNCLEAR; POSSIBLY A NEW TAXON.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	46	Map Index:	A7053	EO Index:	108778	Element Last Seen:	2014-05-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-05-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-11-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36119 / -117.32249				Accuracy:	specific area	
UTM:	Zone-11 N3691376 E469998				Elevation (ft):	150	
PLSS:	T09S, R04W, Sec. 29, SE (S)				Acres:	1.0	
Location:	ALONG EAST BANK OF SANTA MARGARITA RIVER JUST SW OF DE LUZ RD CROSSING, CAMP PENDLETON.						
Detailed Location:	MAPPED BY CNDDDB FROM 2014 REBMAN COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 29.						
Ecological:	RIPARIAN WOODLAND WITH QUERCUS AGRIFOLIA VAR. AGRIFOLIA, PLATANUS RACEMOSA, SALIX LASIOLEPIS, BACCHARIS SALICIFOLIA, TOXICODENDRON DIVERSILOBUM, SALIX LAEVIGATUM, ARTEMISIA DOUGLASIANA, AND VITIS GIRDIANA.						
General:	SITE BASED ON A 2014 REBMAN COLLECTION; DESCRIBED AS "RARE." ID OF PLANTS FROM SAN DIEGO COUNTY IS UNCLEAR; POSSIBLY A NEW TAXON.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Lepidium virginicum var. robinsonii</i>				Element Code: PDBRA1M114				
Robinson's pepper-grass								
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G5T3			
	State:	None		State:	S3			
	Other:	Rare Plant Rank - 4.3						
Habitat:	General:	CHAPARRAL, COASTAL SCRUB.						
	Micro:	DRY SOILS, SHRUBLAND. 4-1435 M.						



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Occurrence No.	43	Map Index:	85240	EO Index:	51140	Element Last Seen:	2001-05-10
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2001-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00911 / -117.16260				Accuracy:	specific area	
UTM:	Zone-11 N3652309 E484811				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 26, SW (S)				Acres:	8.0	
Location:	SLOPES NORTH OF LUSARDI CREEK, APPROXIMATELY 1 AIR MILE ENE OF FAIRBANKS LAKE, EAST OF RANCHO SANTA FE.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDB AS 4 POLYGONS IN THE SE 1/4 OF THE SW 1/4 OF SECTION 26 ACCORDING TO 2004 MSCP DIGITAL DATA.						
Ecological:	S, SW, & E-FACING SLOPES ON ROCKY CLAY SOILS IN MIXED NATIVE GRASSLAND AND COASTAL SAGE SCRUB. ASSOCIATED WITH CHLOROGALUM PARVIFLORUM, DUDLEYA PULVERULENTA, ESCHSCHOLZIA CALIFORNICA, STIPA PULCHRA, BRACHYPODIUM DISTACHYON, ETC.						
General:	MORE THAN 3000 PLANTS OBSERVED IN LUSARDI CREEK AREA IN 2001.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	50	Map Index:	51202	EO Index:	51202	Element Last Seen:	2001-04-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-04-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-22
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36861 / -117.10380				Accuracy:	2/5 mile	
UTM:	Zone-11 N3692157 E490343				Elevation (ft):		
PLSS:	T09S, R02W, Sec. 29, E (S)				Acres:	0.0	
Location:	APPROXIMATELY 0.5 MILE NORTH OF HWY 76 AND 0.25 MILE EAST OF PALA DEL NORTE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED BY CNDDB AS A BEST GUESS.						
Ecological:	STEEP OPEN SLOPE WITH NOLINA CISMONTANA. CLAY.						
General:	ONLY SOUCE OF INFORMATION FOR THIS OCCURRENCE IS A 2001 COLLECTION BY REISER, PLANTS NOTED AS "LOCALLY COMMON."						
Owner/Manager:	UNKNOWN						



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Occurrence No.	108	Map Index:	85229	EO Index:	86250	Element Last Seen:	2008-02-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-02-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-28
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07870 / -117.12260				Accuracy:	2/5 mile	
UTM:	Zone-11 N3660019 E488556				Elevation (ft):	535	
PLSS:	T13S, R02W, Sec. 06, N (S)				Acres:	0.0	
Location:	DEL DIOS HIGHLANDS COUNTY PRESERVE: SW OF ESCONDIDO, JUST W OF S-6 (DEL DIOS HWY) AND NW OF LAKE HODGES.						
Detailed Location:	S OF OLD HOMESTEAD AND E OF MAIN EUCALYPTUS GROVE. EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AT THE SOUTHERN END OF THE PRESERVE IN VICINITY OF GIVEN ELEVATION OF 535 FT.						
Ecological:	GRANITIC SUBSTRATES. STREAM AREA WITH GRANITE OUTCROPPINGS SURROUNDED BY CHAPARRAL WITH LINARIA CANADENSIS, CRASSULA CONNATA, CALANDRINIA CILIATA, SELAGINELLA SPP., MALOSMA LAURINA, SALVIA MELLIFERA, AND MARAH MACROCARPUS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2008 COLLECTION BY REBMAN & THOMAS; PLANTS NOTED AS "UNCOMMON."						
Owner/Manager:	SDG COUNTY						

Occurrence No.	109	Map Index:	85230	EO Index:	86251	Element Last Seen:	2001-03-23
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-03-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05665 / -117.10844				Accuracy:	specific area	
UTM:	Zone-11 N3657573 E489875				Elevation (ft):	800	
PLSS:	T13S, R02W, Sec. 08, SE (S)				Acres:	1.0	
Location:	4S RANCH: RIDGE SOUTH OF LAKE HODGES AND WEST OF RANCHO BERNARDO, 2.1 KM (1.3 MI) WSW OF BERNARDO MOUNTAIN.						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 8 ACCORDING TO 2004 MSCP DIGITAL DATA.						
Ecological:	SE-FACING SLOPE IN OPEN, ROCKY OPENINGS AND BARRENS IN COASTAL SAGE SCRUB. ASSOCIATED W/ DEINANDRA FASCICULATA, SELAGINELLA CINERASCENS, PECTOCARYA LINEARIS, HYPOCHAERIS GLABRA, LEPIDIUM NITIDUM, SALVIA MELLIFERA, & CRYPTANTHA INTERMEDIA.						
General:	APPROXIMATELY 400 PLANTS OBSERVED IN 2001.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	110	Map Index:	85236	EO Index:	86256	Element Last Seen:	2001-06-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-06-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00585 / -117.10049				Accuracy:	specific area	
UTM:	Zone-11 N3651940 E490612				Elevation (ft):	800	
PLSS:	T13S, R02W, Sec. 33, NW (S)				Acres:	4.0	
Location:	4S RANCH MSCP PARCEL, SOUTHWEST SLOPE OF "SOL" SURVEY MARKER, LA JOLLA VALLEY.						
Detailed Location:	4 POLYGONS MAPPED BY CNDDB ON THE BORDER BETWEEN THE NE 1/4 OF THE NE 1/4 OF SECTION 32 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 33 ACCORDING TO 2004 MSCP DIGITAL DATA.						
Ecological:	OPEN, BURNED COASTAL SAGE SCRUB ON LOAMY CLAY SOIL. RELATIVELY STEEP S- TO SW-FACING SLOPES. ASSOC W/ SALVIA MELLIFERA, MALOSMA LAURINA, ARTEMISIA CALIFORNICA, MALACOTHAMNUS FASCICULATUS, DEINANDRA FASCICULATA, CHLOROGALUM PARVIFLORUM, ETC.						
General:	AT LEAST 3000 PLANTS OBSERVED IN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	111	Map Index:	47263	EO Index:	86258	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-20
Quad Summary:	San Pasqual (3311618), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01723 / -117.00624				Accuracy:	non-specific area	
UTM:	Zone-11 N3653197 E499416				Elevation (ft):		
PLSS:	T13S, R01W, Sec. 29 (S)				Acres:	723.0	
Location:	BLUE SKY ECOLOGICAL RESERVE TO MT WOODSON TRAIL, POWAY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB TO ENCOMPASS BLUE SKY ECOLOGICAL RESERVE LANDS OWNED BY DFG AND THE COUNTY OF SAN DIEGO.						
Ecological:							
General:	20 PLANTS OBSERVED IN 2002 OR 2003. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A TRAIL CHECKLIST BY CHESTER.						
Owner/Manager:	DFG-BLUE SKY ER, SDG COUNTY?						



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Occurrence No.	112	Map Index:	85237	EO Index:	86260	Element Last Seen:	2008-02-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2008-02-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-02-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03209 / -117.12899				Accuracy:	non-specific area	
UTM:	Zone-11 N3654852 E487953				Elevation (ft):	885	
PLSS:	T13S, R02W, Sec. 19, NW (S)				Acres:	9.0	
Location:	NORTH SIDE OF CAMINO BRISA DEL MAR, APPROXIMATELY 0.9 AIR MILE SOUTH OF LAKE HODGES DAM.						
Detailed Location:	MAPPED BY CNDDDB TO ENCOMPASS PARCEL BOUNDARY FOR GIVEN APN: 678-070-33. WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 19.						
Ecological:	DIEGAN COASTAL SAGE SCRUB BURNED IN OCTOBER 2007 WITCH FIRE. THE RARE ADOLPHIA CALIFORNICA AND FEROCACTUS VIRIDESCENS ALSO OCCUR AT THIS SITE.						
General:	7 PLANTS OBSERVED IN 2008.						
Owner/Manager:	PVT						

Occurrence No.	119	Map Index:	85253	EO Index:	86273	Element Last Seen:	2005-03-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-01
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.16744 / -117.05202				Accuracy:	non-specific area	
UTM:	Zone-11 N3669851 E495149				Elevation (ft):	1200	
PLSS:	T11S, R02W, Sec. 35, SE (S)				Acres:	8.0	
Location:	RANCH HOUSE TRAIL, 0.02 MILE FROM SOUTHERN ENTRANCE, DALEY RANCH.						
Detailed Location:	MAPPED BY CNDDDB AS A BEST GUESS BASED ON LOCATION DESCRIPTION, WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 35.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2005 TRAIL CHECKLIST FROM CHESTER. A 1986 LEVIN & BAUR COLLECTION FROM "RYAN OAK GLEN PRESERVE, 6.4 KM NE OF ESCONDIDO" IS ALSO ATTRIBUTED HERE, UNABLE TO LOCATE RYAN OAK GLEN PRESERVE.						
Owner/Manager:	CITY OF ESCONDIDO						



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Occurrence No.	120	Map Index:	27986	EO Index:	86274	Element Last Seen:	1937-01-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1937-01-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-01
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23264 / -117.32450				Accuracy:	1 mile	
UTM:	Zone-11 N3677124 E469766				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 08 (S)				Acres:	0.0	
Location:	NEAR RANCHO SAN LUIS REY, SAN LUIS REY VALLEY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN GENERAL VICINITY OF SAN LUIS REY.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1937 COLLECTION BY GANDER. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	121	Map Index:	85255	EO Index:	86275	Element Last Seen:	1992-03-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-03-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-01
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35319 / -117.32956				Accuracy:	80 meters	
UTM:	Zone-11 N3690491 E469336				Elevation (ft):	272	
PLSS:	T09S, R04W, Sec. 32, NW (S)				Acres:	0.0	
Location:	APPROXIMATELY 1.1 AIR MILES NNW OF NORTH END OF O'NEILL LAKE, WEST SIDE OF MARGARITA RIVER VALLEY.						
Detailed Location:	TRAINING AREA: INDIA. LTETM PLOT #7. MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 32 ACCORDING TO 1992 UTM COORDINATES.						
Ecological:	SPARSE COASTAL SAGE SCRUB.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN ANONYMOUS COLLECTION FROM 1992. NEEDS POPULATION INFORMATION.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	164	Map Index:	88687	EO Index:	89703	Element Last Seen:	2012-05-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2012-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-04-09
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00400 / -117.27767				Accuracy:	specific area	
UTM:	Zone-11 N3651765 E474061				Elevation (ft):	20	
PLSS:	T13S, R04W, Sec. 34, N (S)				Acres:	4.0	
Location:	SAN ELIJO ECOLOGICAL RESERVE; IMMEDIATELY WEST OF HIGHWAY 101 AND EAST OF BIRD RESERVE.						
Detailed Location:	MAPPED ACCORDING TO 2012 DIGITAL DATA PROVIDED BY CNPS.						
Ecological:	SLOPE COVERED WITH SHRUBS. ASSOCIATED WITH ERIOGONUM FASCICULATUM, ISOCOMA MENZIESII, LIMONIUM SINUATUM, CAKILE MARITIMA, AND THE RARE ACMISPON PROSTRATUS, CHAENACTIS GLABRIUSCULA VAR. ORCUTTIANA, & NEMACALIS DENUData VAR. DENUData.						
General:	169 PLANTS OBSERVED IN 2012.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						



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Ferocactus viridescens

Element Code: PDCAC08060

San Diego barrel cactus

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3?

State: None

State: S2S3

Other: Rare Plant Rank - 2B.1, IUCN LC-Least Concern, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

Habitat: **General:** CHAPPARAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro: OFTEN ON EXPOSED, LEVEL OR SOUTH-SLOPING AREAS; OFTEN IN COASTAL SCRUB NEAR CREST OF SLOPES. 3-490 M.

Occurrence No.	35	Map Index:	04051	EO Index:	9058	Element Last Seen:	2009-05-01
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2009-05-01
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2013-11-13

Quad Summary: Escondido (3311711)

County Summary: San Diego

Lat/Long:	33.03375 / -117.11850	Accuracy:	specific area
UTM:	Zone-11 N3655034 E488933	Elevation (ft):	700
PLSS:	T13S, R02W, Sec. 19, NE (S)	Acres:	38.0

Location: APPROXIMATELY 0.7 TO 1.3 AIR MILES SE OF LAKE HODGES DAM, WNW OF RANCHO BERNARDO.

Detailed Location: MAPPED BY CNDDDB AS 8 POLYGONS IN THE EAST 1/2 OF NE 1/4 OF SECTION 19, WEST 1/2 OF NW 1/4 OF SECTION 20, SW 1/4 SW 1/4 SECTION 17 AND SE 1/4 SE 1/4 SECTION 18. PORTION OF SITE MAY NOW BE ON LAND OWNED BY THE ENVIRONMENTAL TRUST.

Ecological: ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, OLIVENHAIN COBBLY LOAM. COASTAL SAGE SCRUB. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, DEINANDRA FASCICULATA, AVENA BARBATA, BROMUS MADRITENSIS, B. HORDEACEUS, CALYSTEGIA MACROSTEGIA, ERODIUM, ETC.

General: FEWER THAN 1000 PLANTS OBSERVED IN 1983 BETWEEN OCCURRENCES 35-37, 40 AND 41. 99 PLANTS OBSERVED IN 2001. "LOTS" OF FEROCACTUS OBSERVED IN SW-MOST POLYGON AND 1 PLANT OBSERVED IN SE-MOST POLYGON DURING 2009 VEGETATION SURVEYS.

Owner/Manager: PVT

Occurrence No.	36	Map Index:	04096	EO Index:	14217	Element Last Seen:	1991-06-XX
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:			1991-06-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2015-10-29

Quad Summary: Escondido (3311711)

County Summary: San Diego

Lat/Long:	33.01727 / -117.11318	Accuracy:	specific area
UTM:	Zone-11 N3653207 E489429	Elevation (ft):	660
PLSS:	T13S, R02W, Sec. 29, N (S)	Acres:	42.0

Location: NORTH AND SOUTH SIDES OF BLACK MOUNTAIN ROAD, 1.7-2.4 MILES WEST OF JUNCTION WITH HWY 395, WEST OF RANCHO BERNARDO.

Detailed Location: MAPPED BY CNDDDB AS 6 POLYGONS, MOSTLY IN THE NORTH 1/2 OF SECTION 29. BASED ON 2012 AERIAL IMAGERY OF THIS AREA, SITE IS LIKELY EXTIRPATED FROM DEVELOPMENT.

Ecological: ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, OLIVENHAIN COBBLY LOAM, COASTAL SAGE SCRUB. FOUND WITH SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, AND MUILLA CLEVELANDII NEARBY.

General: FEWER THAN 1000 PLANTS OBSERVED IN 1983 BETWEEN OCCURRENCES 35-37, 40 AND 41. SCATTERED INDIVIDUALS OBSERVED IN 1991. INCLUDES FORMER OCCURRENCE #39.

Owner/Manager: PVT



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Occurrence No.	37	Map Index:	90609	EO Index:	91742	Element Last Seen:	2014-06-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2014-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-10-29
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01955 / -117.09920				Accuracy:	specific area	
UTM:	Zone-11 N3653459 E490734				Elevation (ft):	660	
PLSS:	T13S, R02W, Sec. 28, NW (S)				Acres:	31.0	
Location:	NORTH AND SOUTH SIDES OF BLACK MOUNTAIN ROAD, 1-1.4 MILES WEST OF JUNCTION WITH HWY 395, WEST OF RANCHO BERNARDO.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS IN THE SW 1/4 SW 1/4 SECTION 21, NW 1/4 NW 1/4 SECTION 28, AND THE SE 1/4 NE 1/4 SECTION 29. SW POLYGON EXTIRPATED BY DEVELOPMENT BASED ON AERIAL IMAGERY IN THIS AREA.						
Ecological:	ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, OLIVENHAIN COBBLY LOAM, COASTAL SAGE SCRUB. FOUND WITH SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, AND MUILLA CLEVELANDII NEARBY.						
General:	FEWER THAN 1000 PLANTS OBSERVED IN 1983 BETWEEN OCC 35-37, 40 AND 41. OBSERVED IN THE SW POLYGON IN 1986 (BAUDER'S DD4 POOLS). SCATTERED INDIVIDUALS IN 1991. 1 PLANT OBSERVED IN N POLYGON IN 2014. INCLUDES FORMER OCCURRENCE #38 AND 76.						
Owner/Manager:	PVT						

Occurrence No.	40	Map Index:	04132	EO Index:	8533	Element Last Seen:	2001-06-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-06-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-13
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00675 / -117.09972				Accuracy:	specific area	
UTM:	Zone-11 N3652040 E490685				Elevation (ft):	800	
PLSS:	T13S, R02W, Sec. 33, NW (S)				Acres:	18.0	
Location:	APPROXIMATELY 1.7 AIR MILES SW OF THE JUNCTION OF RANCHO BERNARDO ROAD AND I-15, SW OF RANCHO BERNARDO.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS NEAR THE COMMON CORNER OF SECTIONS 28, 29, 32, AND 33 MOSTLY ACCORDING TO 2004 MSCP DIGITAL DATA.						
Ecological:	OPEN MIXED COASTAL SAGE SCRUB AND ANNUAL GRASSLAND ON ROCKY CLAY LOAM SOIL. ASSOCIATED WITH BRACHYPODIUM DISTACHYON, STIPA LEPIDA, DEINANDRA FASCICULATA, CHLOROGALUM PARVIFLORUM, GUTIERREZIA CALIFORNICA, ERIOPHYLLUM CONFERTIFLORUM, ETC.						
General:	FEWER THAN 1000 PLANTS OBSERVED IN 1983 BETWEEN OCCURRENCES 35-37, 40 AND 41. 374 PLANTS OBSERVED AT THIS SITE IN 2001.						
Owner/Manager:	PVT						



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Occurrence No.	41	Map Index:	04034	EO Index:	8535	Element Last Seen:	2001-07-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-13
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00146 / -117.12202				Accuracy:	specific area	
UTM:	Zone-11 N3651456 E488601				Elevation (ft):	500	
PLSS:	T13S, R02W, Sec. 31, NE (S)				Acres:	14.0	
Location:	NEAR HEDY BENCHMARK AND APPROXIMATELY 0.2 AIR MILE NORTH OF BENCHMARK, LA JOLLA VALLEY, SW OF RANCHO BERNARDO.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS IN THE NE 1/4 OF SECTION 31.						
Ecological:	ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM, COASTAL SAGE SCRUB.						
General:	FEWER THAN 1000 PLANTS OBSERVED IN 1983 BETWEEN THE NORTHERN POLYGON OF THIS OCCURRENCE AND OCCURRENCES 35-37 AND 40. UNKNOWN NUMBER OBSERVED IN NORTH POLYGON IN 1991. APPROXIMATELY 35 PLANTS OBSERVED IN SOUTH POLYGON IN 2001.						
Owner/Manager:	PVT						

Occurrence No.	42	Map Index:	03842	EO Index:	21375	Element Last Seen:	2015-04-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00808 / -117.16047				Accuracy:	specific area	
UTM:	Zone-11 N3652194 E485011				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 26, S (S)				Acres:	76.0	
Location:	VICINITY OF LUSARDI CREEK AND BLACK MTN OPEN SPACE PARK; ALONG LUSARDI CREEK FROM SAN DIEGUITO RIVER SE 1.5 MILES.						
Detailed Location:	MAPPED BY CNDDB AS 15 POLYGONS TO INCORPORATE MULTIPLE SOURCES OF INFORMATION. MOST OF POPULATION IS WITHIN LUSARDI CREEK OPEN SPACE AND BLACK MOUNTAIN OPEN SPACE PARK.						
Ecological:	OPEN COASTAL SAGE SCRUB. FOUND WITH ERIOGONUM FASCICULATUM, MALOSMA LAURINA, ADOLPHIA CALIFORNICA, MUHLENBERGIA MICROSPERMA, CENTAUREA MELITENSIS, POROPHYLLUM GRACILE, BROMUS MADRITENSIS, SELAGINELLA BIGELOVII, ETC.						
General:	POP NUMBERS FOR PORTIONS OF SITE: FEWER THAN 10 PLANTS IN 1983, 12+ PLANTS IN 1993, 122 PLANTS IN 2001, 34 PLANTS IN 2008, UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001, 2002, 2007, 2009, & 2015. INCLUDES FORMER OCC #139.						
Owner/Manager:	SDG COUNTY, CITY OF SDG, PVT						



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Occurrence No.	132	Map Index:	21663	EO Index:	8536	Element Last Seen:	1991-06-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1991-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-21
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01210 / -117.10551				Accuracy:	80 meters	
UTM:	Zone-11 N3652633 E490144				Elevation (ft):	720	
PLSS:	T13S, R02W, Sec. 29, SE (S)				Acres:	0.0	
Location:	APPROX 0.6 AIR MILE SOUTH OF RANCHO BERNARDO RD (BLACK MTN RD.) AND 1.5 AIR MILES WEST OF I-15, W OF RANCHO BERNARDO.						
Detailed Location:							
Ecological:	NON-NATIVE GRASSLAND.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1991. SITE LIKELY EXTIRPATED BY DEVELOPMENT.						
Owner/Manager:	PVT						

Occurrence No.	140	Map Index:	21775	EO Index:	25046	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-11-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00113 / -117.12961				Accuracy:	80 meters	
UTM:	Zone-11 N3651419 E487892				Elevation (ft):	350	
PLSS:	T13S, R02W, Sec. 31, NW (S)				Acres:	0.0	
Location:	SOUTH OF LA JOLLA VALLEY, 4.7 KM DUE SOUTH OF LAKE HODGES DAM.						
Detailed Location:							
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	151	Map Index:	58717	EO Index:	20677	Element Last Seen:	1998-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1998-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-11-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03829 / -117.16653				Accuracy:	specific area	
UTM:	Zone-11 N3655545 E484449				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 14, SW (S)				Acres:	10.0	
Location:	NORTH OF DEL DIOS HWY, ABOUT 1.2 AIR MILES EAST OF SAN DIEGUITO RESERVOIR ALONG THE SECOND SAN DIEGO AQUEDUCT.						
Detailed Location:	2 CNDDB POLYGONS: (1) WEST SIDE OF AQUEDUCT/PIPELINE, 0.2 MI NORTH OF HIGHWAY, AND (2) EAST SIDE OF AQUEDUCT/PIPELINE, JUST NORTH OF HIGHWAY.						
Ecological:	ADJACENT TO ROCK OUTCROP WITH ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, & MALOSMA LAURINA. SEVERAL OTHER RARE SPECIES AT THIS SITE INCLUDING SELAGINELLA CINERASCENS, ADOLPHIA CALIFORNICA & SEVERAL ANIMAL TAXA.						
General:	3 PLANTS SEEN AT COLONY (1) IN 1995. UNKNOWN NUMBER OF PLANTS SEEN AT COLONY (2) IN 1998.						
Owner/Manager:	PVT						

Occurrence No.	153	Map Index:	36409	EO Index:	31406	Element Last Seen:	1997-05-05
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1997-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-09-04
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01394 / -117.08101				Accuracy:	80 meters	
UTM:	Zone-11 N3652835 E492433				Elevation (ft):	650	
PLSS:	T13S, R02W, Sec. 27, SW (S)				Acres:	0.0	
Location:	JUST WEST OF RANCHO BERNARDO, BETWEEN I-5 AND W BERNARDO DRIVE.						
Detailed Location:							
Ecological:	OPEN SAGE SCRUB/NATIVE GRASSLAND. ASSOCIATED WITH ARTEMISIA CALIFORNICA, NASSELLA PULCHRA, & SALVIA APIANA. OTHER RARE SPECIES FOUND HERE INCLUDE CONVOLVULUS SIMULANS & POLIOPTILA CALIFORNICA.						
General:	7 PLANTS OBSERVED IN 1997.						
Owner/Manager:	PVT						



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Occurrence No.	176	Map Index:	62476	EO Index:	62513	Element Last Seen:	2008-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-02
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03109 / -117.24979				Accuracy:	specific area	
UTM:	Zone-11 N3654761 E476674				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24 (S)				Acres:	23.0	
Location:	MANCHESTER MITIGATION BANK, BOTH SIDES OF MANCHESTER AVENUE, ABOUT 1.5 MILES EAST OF INTERSTATE-15, ENCINITAS.						
Detailed Location:	MAJORITY OF OCCURRENCE IS ON THE NORTH SIDE OF MANCHESTER AVENUE. MAPPED BY CNDDB AS 8 POLYGONS ACCORDING TO A 1995 ESA MAP, CENTER FOR LANDS MANAGEMENT DIGITAL DATA, AND 2002 DUDEK & ASSOCIATES MAP.						
Ecological:							
General:	POPULATION NUMBERS FOR PORTIONS OF SITE: OBSERVED IN S-MOST POLYGON IN 1995, 500 INDIVIDUALS IN 1996, 450 IN 2001, 12 INDIVIDUALS IN 2002, APPROXIMATELY 172 IN 2006, APPROXIMATELY 578 IN 2007, AN ADDITIONAL 11 INDIVIDUALS LOCATED IN 2008.						
Owner/Manager:	CNLM, PVT						

Occurrence No.	263	Map Index:	A2312	EO Index:	91642	Element Last Seen:	2008-02-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-02-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02987 / -117.13299				Accuracy:	non-specific area	
UTM:	Zone-11 N3654606 E487581				Elevation (ft):	600	
PLSS:	T13S, R02W, Sec. 19, W (S)				Acres:	34.0	
Location:	BOTH SIDES OF CAMINO SANTA FE, ABOUT 0.8 TO 1.3 AIR MILES SOUTH OF LAKE HODGES DAM, WEST OF RANCHO BERNARDO.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS AROUND PARCEL BOUNDARIES INDICATED ON 2002 ECOLOGICAL VENTURES CALIFORNIA, INC MAP AND 2008 FIELD SURVEY FORM, AND 2006 VEGETATION SURVEY COORDINATES. EXACT LOCATIONS WITHIN NORTHERN PARCELS IS UNKNOWN.						
Ecological:	DIEGAN COASTAL SAGE SCRUB BURNED IN OCTOBER 2007 WITCH FIRE. ALSO ASSOCIATED WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, SALVIA MELLIFERA, ENCELIA, ADOLPHIA CALIFORNICA, LEPIDIUM VIRGINICUM VAR. ROBINSONII, ETC.						
General:	MENTIONED AS BEING PRESENT IN WESTERN POLYGON DURING 2002 SURVEYS. LESS THAN 1% COVER OF FEROCACTUS IN SOUTHERN POLYGON IN 2006. 1 INDIVIDUAL OBSERVED IN EASTERN POLYGON IN 2008.						
Owner/Manager:	PVT						



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Occurrence No.	264	Map Index:	90819	EO Index:	91643	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04179 / -117.15353				Accuracy:	non-specific area	
UTM:	Zone-11 N3655930 E485664				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 14, SE (S)				Acres:	87.0	
Location:	SANTA FE VALLEY PARK; SOUTH OF DEL DIOS HIGHWAY AND NORTH OF BIG CROSBY BLVD, SW OF LAKE HODGES.						
Detailed Location:	MAPPED BY CNDDDB NON-SPECIFICALLY AROUND HABITAT MANAGEMENT AREAS 1 AND 3 AS MENTIONED IN A 2011 RINCON CONSULTANTS REPORT.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED AT AN UNKNOWN DATE (LIKELY SOMETIME IN THE 2000S). CNDDDB NEEDS ADDITIONAL INFORMATION FOR THIS SITE.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	265	Map Index:	90820	EO Index:	91644	Element Last Seen:	20XX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	20XX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02877 / -117.16127				Accuracy:	80 meters	
UTM:	Zone-11 N3654488 E484939				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 23 (S)				Acres:	0.0	
Location:	CROSBY CLUB GOLF COURSE; APPROXIMATELY 0.15 AIR MILE SW OF THE JUNCTION OF BING CROSBY BLVD AND TOP OF THE MORNING WAY.						
Detailed Location:	MAPPED BY CNDDDB AROUND HABITAT MANAGEMENT AREA 7 AS MENTIONED IN A 2011 RINCON CONSULTANTS REPORT.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED AT AN UNKNOWN DATE (LIKELY SOMETIME IN THE 2000S). CNDDDB NEEDS ADDITIONAL INFORMATION FOR THIS SITE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	266	Map Index:	90821	EO Index:	91645	Element Last Seen:	2005-03-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00938 / -117.22457				Accuracy:	specific area	
UTM:	Zone-11 N3652350 E479022				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 30, SE (S)				Acres:	8.0	
Location:	NORTH SIDE OF RAMBLA DE LAS FLORES BETWEEN CALLE CHAPARRO AND EL ACEBO, SW OF RANCHO SANTA FE.						
Detailed Location:	SITE NAME IS GIVEN AS "BANKERS UNION." MAPPED BY CNDDDB ACCORDING TO SAN DIEGO COUNTY DIGITAL DATA IN THE SE 1/4 OF THE SE 1/4 OF SECTION 30.						
Ecological:							
General:	15 INDIVIDUALS OBSERVED IN 2005.						
Owner/Manager:	UNKNOWN						

Occurrence No.	267	Map Index:	90822	EO Index:	91646	Element Last Seen:	2015-04-01
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-04-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-11-16
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01536 / -117.24919				Accuracy:	specific area	
UTM:	Zone-11 N3653017 E476726				Elevation (ft):	40	
PLSS:	T13S, R04W, Sec. 25, W (S)				Acres:	9.0	
Location:	EAST END OF SAN ELIJO LAGOON; JUST WEST OF THE WEST END OF STONEBRIDGE COURT, SAN ELIJO LAGOON ER.						
Detailed Location:	STONEBRIDGE MESA. MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO 2009 MARTUS COORDINATES (DATUM UNKNOWN, MAPPED AROUND COORDINATES IN NAD 27 & NAD 83) AND 2013 & 2015 MORSE COORDINATES. PORTIONS MAY HAVE BEEN PLANTED FOR RESTORATION.						
Ecological:	DISTURBED COASTAL SAGE SCRUB, COASTAL MESA ADJACENT TO SAN ELIJO LAGOON. ASSOCIATED WITH BROMUS, AVENA, BRASSICA, FOENICULUM VULGARE, CYLINDROPUNTIA, AND ARTEMISIA CALIFORNICA.						
General:	1 INDIVIDUAL OBSERVED IN NW-MOST POLYGON IN 2009. NORTHERN MIDDLE POLYGON: 3 PLANTS IN 2013, 4 IN 2015. NE-MOST POLYGON: 8 IN 2015. SOUTHERN POLYGON: 7 IN 2015.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						



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Occurrence No.	268	Map Index:	90823	EO Index:	91647	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-31
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01584 / -117.26909				Accuracy:	specific area	
UTM:	Zone-11 N3653076 E474867				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 26, W (S)				Acres:	13.0	
Location:	BOTH SIDES OF I-5 FROM APPROXIMATELY 0.25 TO 0.85 MILE NORTH OF MANCHESTER AVENUE, JUST NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED BY CNDDB AS 7 POLYGONS ACCORDING TO A MAP IN A 2008 CALTRANS REPORT.						
Ecological:							
General:	APPROXIMATELY 117 INDIVIDUALS OBSERVED IN 2002/2003; ADDITIONAL INDIVIDUALS WERE ALSO OBSERVED ADJACENT TO SURVEY AREA.						
Owner/Manager:	UNKNOWN						

Occurrence No.	269	Map Index:	90825	EO Index:	91650	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-31
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01429 / -117.27742				Accuracy:	specific area	
UTM:	Zone-11 N3652905 E474088				Elevation (ft):	50	
PLSS:	T13S, R04W, Sec. 27 (S)				Acres:	1.0	
Location:	JUST SOUTH OF THE JUNCTION OF NEWPORT AVENUE AND MANCHESTER AVENUE, NW END OF SAN ELIJO LAGOON.						
Detailed Location:							
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2013 CALTRANS REPORT FOR THE NORTH COAST CORRIDOR. UNKNOWN OBSERVATION DATE AND POPULATION SIZE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	270	Map Index:	90826	EO Index:	91651	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-10-31
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09286 / -117.30476				Accuracy:	80 meters	
UTM:	Zone-11 N3661623 E471559				Elevation (ft):	100	
PLSS:	T12S, R04W, Sec. 33, N (S)				Acres:	0.0	
Location:	JUST NNW OF THE I-5 BRIDGE OVER BATIQUITOS LAGOON.						
Detailed Location:							
Ecological:	SAGE SCRUB.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2013 CALTRANS REPORT FOR THE NORTH COAST CORRIDOR. UNKNOWN OBSERVATION DATE AND POPULATION SIZE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	290	Map Index:	98150	EO Index:	99561	Element Last Seen:	2017-05-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-07
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.21394 / -117.37621				Accuracy:	specific area	
UTM:	Zone-11 N3675068 E464941				Elevation (ft):	80	
PLSS:	T11S, R05W, Sec. 14, SW (S)				Acres:	2.0	
Location:	ALONG SAN LUIS REY RIVER NEAR GAGING STATION, JUST EAST OF N LORETTA STREET, OCEANSIDE.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2015 AND 2017 MORSE COORDINATES, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 14.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015 AND 2017.						
Owner/Manager:	CITY OF OCEANSIDE?						

Occurrence No.	294	Map Index:	A2316	EO Index:	103930	Element Last Seen:	2016-02-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-02-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-21
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.0603 / -117.08476				Accuracy:	80 meters	
UTM:	Zone-11 N3657975 E492087				Elevation (ft):	405	
PLSS:	T13S, R02W, Sec. 9, NE (S)				Acres:	5.0	
Location:	SAN BERNARDINO MOUNTAIN OPEN SPACE, NORTH SIDE OF LAKE HODGES.						
Detailed Location:	MAPPED ACCORDING TO 2016 MORSE COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 9.						
Ecological:							
General:	UNKNOWN NUMBER OBSERVED IN 2016. NEED ADDITIONAL INFORMATION ABOUT THIS SITE.						
Owner/Manager:	SAN DIEGUITO RIVER VALLEY CONS						

Occurrence No.	303	Map Index:	A5228	EO Index:	106942	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0295 / -117.1784				Accuracy:	specific area	
UTM:	Zone-11 N3654572 E483340				Elevation (ft):	145	
PLSS:	T13S, R03W, Sec. 22 (S)				Acres:	1.0	
Location:	WEST END OF SIETE LEGUAS, SOUTH OF DEL DIOS, RANCHO SANTA FE.						
Detailed Location:	MAPPED ACCORDING TO A DUDEK & ASSOCIATES MAP, NEAR THE CENTER OF SECTION 22.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. ALSO ASSOCIATED WITH ADOLPHIA CALIFORNICA, IVA HAYESIANA, AND JUNCUS ACUTUS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000.						
Owner/Manager:	PVT						



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Occurrence No.	306	Map Index:	B1841	EO Index:	113760	Element Last Seen:	2018-04-30
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2018-04-30		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2019-01-07		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02465 / -117.17122			Accuracy:	specific area		
UTM:	Zone-11 N3654032 E484010			Elevation (ft):	115		
PLSS:	T13S, R03W, Sec. 22, SE (S)			Acres:	4.0		
Location:	NORTH SIDE OF THE SAN DIEGUITO RIVER; SOUTH OF THE END OF VIA DE LA NOLA.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 2018 HERMAN COORDINATES.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2018.						
Owner/Manager:	UNKNOWN						

<i>Aphanisma blitoides</i>			Element Code: PDCHE02010		
aphanisma					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.2, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden			
Habitat:	General:	COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.			
	Micro:	ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. 3-305 M.			

Occurrence No.	79	Map Index:	B4509	EO Index:	117439	Element Last Seen:	1881-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1881-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-12-11
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.20972 / -117.37879				Accuracy:	1 mile	
UTM:	Zone-11 N3674601 E464699				Elevation (ft):		
PLSS:	T11S, R05W, Sec. 23 (S)				Acres:	1987.0	
Location:	SEA COAST, SAN LUIS REY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AROUND COASTAL SLOPES AT THE MOUTH OF THE SAN LUIS REY RIVER, JUST SOUTHWEST OF THE COMMUNITY OF SAN LUIS REY.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1881 PARISH COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

<i>Atriplex coulteri</i>			Element Code: PDCHE040E0	
Coulter's saltbush				
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global: G3
	State:	None		State: S1S2
	Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank		
Habitat:	General:	COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.		
	Micro:	OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.		



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Occurrence No.	89	Map Index:	98997	EO Index:	100528	Element Last Seen:	2015-04-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-01-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00867 / -117.24407				Accuracy:	specific area	
UTM:	Zone-11 N3652274 E477202				Elevation (ft):	115	
PLSS:	T13S, R04W, Sec. 25, SE (S)				Acres:	1.0	
Location:	SAN ELIJO LAGOON ECOLOGICAL RESERVE; ABOUT 0.3 AIR MILE WSW OF THE JUNCTION OF EL CAMINO REAL AND LA ORILLA.						
Detailed Location:	MAPPED ACCORDING TO 2015 MORSE DIGITAL DATA, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 25.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2015 COORDINATES PROVIDED BY MORSE. NEED POPULATION AND HABITAT INFORMATION FOR THIS SITE.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	90	Map Index:	98998	EO Index:	100529	Element Last Seen:	2015-04-01
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-04-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-02
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01506 / -117.24733				Accuracy:	specific area	
UTM:	Zone-11 N3652984 E476899				Elevation (ft):	40	
PLSS:	T13S, R04W, Sec. 25, NW (S)				Acres:	2.0	
Location:	SAN ELIJO LAGOON ECOLOGICAL RESERVE; ABOUT 0.5 AIR MILE NW OF THE JUNCTION OF EL CAMINO REAL AND LA ORILLA.						
Detailed Location:	MAPPED ACCORDING TO 2015 MORSE DIGITAL DATA, IN THE SE 1/4 OF THE NW 1/4 OF SECTION 25.						
Ecological:	NATIVE FORBLANDS ON DISTURBED COASTAL MESA SURROUNDED BY RECOVERING COASTAL SAGE SCRUB AND NON-NATIVE GRASSLANDS AND FORBLANDS. ADJACENT TO NATURALLY ERODED AREA. ASSOCIATED WITH HARPAGONELLA PALMERI, CRASSULA CONNATA, DEINANDRA, ETC.						
General:	21 PLANTS OBSERVED IN 2015. THERE ARE SEVERAL OTHER SMALL ERODED AREAS ON MESA WHERE SEED COULD BE SPREAD TO EXPAND POPULATION EXTENT.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						



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Occurrence No.	91	Map Index:	98999	EO Index:	100530	Element Last Seen:	2014-10-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2014-10-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-01-29
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.20389 / -117.3761				Accuracy:	80 meters	
UTM:	Zone-11 N3673954 E464947				Elevation (ft):	90	
PLSS:	T11S, R05W, Sec. 23, SW (S)				Acres:	5.0	
Location:	LAWRENCE CANYON; ABOUT 140 METERS WEST OF THE CORNER OF MCNEIL ST AND DUBUQUE ST, OCEANSIDE.						
Detailed Location:	ALONG TRAIL RUNNING EAST TO WEST DOWN A RIDGE. MAPPED ACCORDING TO 2014 KENTNER COORDINATES, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 23.						
Ecological:	ON WHITE SANDSTONE SOILS IN DISTURBED GROUND ALONG FOOT PATH. ASSOCIATED WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ENCELIA CALIFORNICA, OPUNTIA LITTORALIS, CISTANTHE MARITIMA, AND DUDLEYA EDULUS.						
General:	ABOUT 10 PLANTS OBSERVED IN 2001. ABOUT 40 PLANTS OBSERVED IN 2014. PREVIOUSLY IDENTIFIED AS ATRIPLEX PACIFICA (EO #36) BUT REISER'S 2001 COLLECTION WAS ANNOTATED TO A. COULTERI BY ROBERTS AND ID CONFIRMED WITH A FIELD VISIT IN 2014.						
Owner/Manager:	PVT						

Occurrence No.	113	Map Index:	B1415	EO Index:	113320	Element Last Seen:	2017-07-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-07-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-19
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16772 / -117.28547				Accuracy:	80 meters	
UTM:	Zone-11 N3669917 E473383				Elevation (ft):	280	
PLSS:	T12S, R04W, Sec. 3, NE (S)				Acres:	5.0	
Location:	WEST SIDE OF CERRO DE LA CALAVERA.						
Detailed Location:	MAPPED ACCORDING TO 2017 MORSE AND TOLLETT COORDINATES, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 3.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2017. "RED STEMS MEALY LOOKING LEAVES NOT TOOTHED EASILY CONFUSED WITH ATRIPLEX PACIFICA BUT HAS LARGER FRUITS." 2013 DILLANE CHECKLIST INDICATES A. PACIFICA OCCURS AT CALAVERA HILL; POSSIBLY A. COULTERI?						
Owner/Manager:	DFG-CARLSBAD HIGHLANDS ER						



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Occurrence No.	128	Map Index:	B1537	EO Index:	113443	Element Last Seen:	2004-06-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-06-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14917 / -117.29806				Accuracy:	80 meters	
UTM:	Zone-11 N3667864 E472203				Elevation (ft):	40	
PLSS:	T12S, R04W, Sec. 9, NE (S)				Acres:	5.0	
Location:	NEAR EL CAMINO REAL AND CANNON ROAD, ALONG LOWER AGUA HEDIONDA CREEK, AGUA HEDIONDA ECOLOGICAL RESERVE.						
Detailed Location:	MAPPED ACCORDING TO 2004 SANDERS COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 9.						
Ecological:	IN DENSE DISTICHLIS AND FRANKENIA AT THE EDGE OF THE REVEGETATION AREA.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2004 SANDERS COLLECTION; MENTIONED AS "SCARCE" IN 2004.						
Owner/Manager:	DFG-AGUA HEDIONDA LAGOON ER						

<i>Atriplex pacifica</i>				Element Code: PDCHE041C0			
south coast saltscale							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G4	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, COASTAL DUNES.					
	Micro:	ALKALI SOILS. 1-400 M.					

Occurrence No.	34	Map Index:	53554	EO Index:	53554	Element Last Seen:	2005-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-25
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14299 / -117.31682				Accuracy:	specific area	
UTM:	Zone-11 N3667184 E470450				Elevation (ft):	45	
PLSS:	T12S, R04W, Sec. 08, SE (S)				Acres:	1.2	
Location:	JUST NORTH OF EASTERN END OF AGUA HEDIONDA, JUST SOUTH OF PARK DRIVE.						
Detailed Location:	MAPPED AS INDICATED IN MERKEL AND ASSOCIATES REPORT, EASTERN HALF OF SITE A IN KELLY RANCH AREA.						
Ecological:	SPECIES LOCATED IN AREA IDENTIFIED AS DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED DURING 1998 GNATCATCHER SURVEYS, AND POSSIBLY DURING 2004 OR 2005 SURVEYS (REPORT IS UNCLEAR). NEEDS FIELDWORK.						
Owner/Manager:	PVT						



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Occurrence No.	82	Map Index:	85984	EO Index:	87019	Element Last Seen:	2001-05-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-05-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-05-22	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01369 / -117.16986			Accuracy:	specific area		
UTM:	Zone-11 N3652818 E484134			Elevation (ft):	300		
PLSS:	T13S, R03W, Sec. 26, SW (S)			Acres:	2.0		
Location:	MESA NORTH OF LUSARDI CREEK, APPROXIMATELY 0.8 AIR MILE NORTHEAST OF FAIRBANKS LAKE, JUST EAST OF RANCHO SANTA FE.						
Detailed Location:	GROWING ALONG AN ABANDONED DIRT ROAD 1.2 KM NORTH OF LOW SOUTH SURVEY MARKER. 3 SITES MAPPED BY CNDDB AS A SINGLE POLYGON ACCORDING TO 2004 MSCP DIGITAL DATA.						
Ecological:	ROCKY CLAY SOIL IN COASTAL SAGE SCRUB BORDERING CHAMISE CHAPARRAL. ASSOCIATED WITH ERIOGONUM FASCICULATUM, ADENOSTOMA FASCICULATUM, ARTEMISIA CALIFORNICA, DEINANDRA FASCICULATA, AND SELAGINELLA CINERASCENS.						
General:	158 PLANTS OBSERVED IN 2001. A 1987 REISER COLLECTION FROM "FAIRBANKS RANCH, ALONG PIPELINE EASEMENT ON EASTERN BOUNDARY OF RANCH" IS ALSO ATTRIBUTED TO THIS OCCURRENCE.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	83	Map Index:	60357	EO Index:	87020	Element Last Seen:	1940-09-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1940-09-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-05-22	
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30374 / -117.34444			Accuracy:	1 mile		
UTM:	Zone-11 N3685014 E467933			Elevation (ft):			
PLSS:	T10S, R04W, Sec. 18 (S)			Acres:	0.0		
Location:	SANTA MARGARITA RANCH; ALONG DRAINAGE DITCH WEST OF MAIN RANCH HOUSE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN VICINITY OF RANCH HOUSE AT CAMP PENDLETON MCB, LOCATION OF THE HISTORIC RANCHO SANTA MARGARITA.						
Ecological:	DRAINAGE DITCH.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1940 COLLECTION BY GANDER. NEEDS FIELDWORK.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	97	Map Index:	99294	EO Index:	100841	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-19
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03021 / -117.25087				Accuracy:	specific area	
UTM:	Zone-11 N3654664 E476573				Elevation (ft):	280	
PLSS:	T13S, R04W, Sec. 24, W (S)				Acres:	3.0	
Location:	TRIBUTARY TO LUX CANYON, MANCHESTER PRESERVE; ABOUT 1 KM NE OF INTERSECTION EL CAMINO REAL AND MANCHESTER AVE.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA.						
Ecological:	ALONG TRAIL ON GENTLE SOUTH-FACING SLOPE ON CLAY SOIL. MIXED COASTAL SAGE SCRUB AND CHAPARRAL.						
General:	5 INDIVIDUALS OBSERVED IN 1998; COLLECTION IDENTIFIED AS A. PACIFICA BY JON REBMAN. 20 PLANTS OBSERVED IN 2007. OBSERVED AT PRESERVE IN 2008 (COULD BE EO #97 OR EO #110). PREVIOUSLY IDENTIFIED AS A. COULTERI (FORMER EO #45).						
Owner/Manager:	CNLM-MANCHESTER PRESERVE						

Occurrence No.	98	Map Index:	99296	EO Index:	100844	Element Last Seen:	2003-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-03-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01428 / -117.27032				Accuracy:	specific area	
UTM:	Zone-11 N3652903 E474752				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 26, W (S)				Acres:	1.0	
Location:	APPROXIMATELY 0.4 AIR MILE NW OF THE MANCHESTER AVENUE/I-5 INTERCHANGE, JUST NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED ACCORDING TO A 2004 EDAW MAP.						
Ecological:	ALONG A DIRT ROAD. THE RARE FEROCACTUS VIRIDESCENS AND ADOLPHIA CALIFORNICA OCCUR NEARBY.						
General:	APPROXIMATELY 100 INDIVIDUALS OBSERVED IN 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	99	Map Index:	99297	EO Index:	100845	Element Last Seen:	2014-07-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-07-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11071 / -117.32229				Accuracy:	specific area	
UTM:	Zone-11 N3663606 E469931				Elevation (ft):	70	
PLSS:	T12S, R04W, Sec. 20, SW (S)				Acres:	1.0	
Location:	SOUTH CARLSBAD STATE BEACH; APPROXIMATELY 0.8 AIR MILE NW OF THE JUNCTION OF I-5 AND POINSETTIA LANE.						
Detailed Location:	MAPPED ACCORDING TO 2015 KENTNER DIGITAL DATA.						
Ecological:							
General:	1 PLANT OBSERVED IN 2014.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						



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Occurrence No.	101	Map Index:	27986	EO Index:	100850	Element Last Seen:	1881-04-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1881-04-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-02-26		
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23264 / -117.32450				Accuracy:	1 mile	
UTM:	Zone-11 N3677124 E469766				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 08 (S)				Acres:	0.0	
Location:	SAN LUIS REY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND SAN LUIS REY.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1881 PARISH COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	110	Map Index:	73610	EO Index:	113319	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2018-11-15		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03433 / -117.24730				Accuracy:	80 meters	
UTM:	Zone-11 N3655120 E476907				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24, NW (S)				Acres:	0.0	
Location:	0.3 AIR MILE EAST OF THE INTERSECTION OF MAPLELEAF COURT AND HOLLYRIDGE DRIVE, ENCINITAS.						
Detailed Location:	ALONG A DIRT ROAD.						
Ecological:							
General:	11 PLANTS OBSERVED HERE BY VINJE IN 2007. OBSERVED AT PRESERVE IN 2008 (COULD BE EO #97 OR EO #110). PREVIOUSLY IDENTIFIED AS ATRIPLEX COULTERI (FORMER EO #44).						
Owner/Manager:	CNLM-MANCHESTER PRESERVE						

<i>Suaeda esteroa</i>					Element Code: PDCHE0P0D0		
estuary seablite							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G3
	State:	None				State:	S2
	Other:	Rare Plant Rank - 1B.2					
Habitat:	General:	MARSHES AND SWAMPS.					
	Micro:	COASTAL SALT MARSHES IN CLAY, SILT, AND SAND SUBSTRATES. 0-80 M.					



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Occurrence No.	8	Map Index:	A2600	EO Index:	48849	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-16
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08934 / -117.27032				Accuracy:	2/5 mile	
UTM:	Zone-11 N3661224 E474773				Elevation (ft):	5	
PLSS:	T12S, R04W, Sec. 35 (S)				Acres:	280.0	
Location:	SAN MARCOS CREEK ESTUARY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED IN THE VICINITY OF SAN MARCOS CREEK & BATIQUITOS LAGOON. POSSIBLY REFERENCING SAME SITE AS CNDDDB OCCURRENCE #42 NEAR I-5 AND BATIQUITOS LAGOON.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS SITE NAME PROVIDED BY BEAUCHAMP IN "A FLORA OF SAN DIEGO COUNTY, CALIFORNIA" (1986). NEEDS FIELDWORK.						
Owner/Manager:	DFG-BATIQUITOS LAGOON ER						

Occurrence No.	42	Map Index:	A2567	EO Index:	104156	Element Last Seen:	2005-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-10
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08903 / -117.30106				Accuracy:	2/5 mile	
UTM:	Zone-11 N3661197 E471904				Elevation (ft):	15	
PLSS:	T12S, R04W, Sec. 33 (S)				Acres:	280.0	
Location:	VICINITY OF INTERSTATE-5 AND BATIQUITOS LAGOON.						
Detailed Location:	MAPPED AS BEST GUESS IN VICINITY OF I-5 AND THE BATIQUITOS LAGOON.						
Ecological:	HIGH COASTAL SALT MARSH.						
General:	SOURCE STATES THAT "MULTIPLE INDIVIDUALS WERE OBSERVED IN THE COASTAL SALT MARSH IN SAN DIEGUITO, BATIQUITOS, AND AGUA HEDIONDA LAGOONS." OBSERVED SOMETIME BETWEEN 2003 AND 2005. NEEDS MAP DETAIL.						
Owner/Manager:	UNKNOWN						

Occurrence No.	43	Map Index:	A2568	EO Index:	104157	Element Last Seen:	2005-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-10
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14565 / -117.3336				Accuracy:	1/5 mile	
UTM:	Zone-11 N3667484 E468887				Elevation (ft):	20	
PLSS:	T12S, R04W, Sec. 7, E (S)				Acres:	70.0	
Location:	VICINITY OF INTERSTATE-5 AND AGUA HEDIONDA LAGOON.						
Detailed Location:	MAPPED AS BEST GUESS IN VICINITY OF I-5 AND AGUA HEDIONDA LAGOON.						
Ecological:	HIGH COASTAL SALT MARSH.						
General:	SOURCE STATES THAT "MULTIPLE INDIVIDUALS WERE OBSERVED IN THE COASTAL SALT MARSH IN SAN DIEGUITO, BATIQUITOS, AND AGUA HEDIONDA LAGOONS." OBSERVED SOMETIME BETWEEN 2003 AND 2005. NEEDS MAP DETAIL.						
Owner/Manager:	UNKNOWN						



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Dudleya blochmaniae ssp. blochmaniae

Element Code: PDCRA04051

Blochman's dudleya

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3T2
State: None **State:** S2
Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
Habitat: **General:** COASTAL SCRUB, COASTAL BLUFF SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.
Micro: OPEN, ROCKY SLOPES; OFTEN IN SHALLOW CLAYS OVER SERPENTINE OR IN ROCKY AREAS WITH LITTLE SOIL. 5-290 M.

Occurrence No. 3 **Map Index:** 17703 **EO Index:** 11670 **Element Last Seen:** 2014-XX-XX
Occ. Rank: Poor **Presence:** Presumed Extant **Site Last Seen:** 2014-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Decreasing **Record Last Updated:** 2018-09-18

Quad Summary: San Luis Rey (3311723), Oceanside (3311724)

County Summary: San Diego

Lat/Long: 33.2351 / -117.37686 **Accuracy:** specific area
UTM: Zone-11 N3677414 E464889 **Elevation (ft):** 215
PLSS: T11S, R05W, Sec. 11, NW (S) **Acres:** 11.0

Location: CAMP PENDLETON MCB. WIRE MOUNTAIN, ABOUT 0.2 KM NORTHEAST OF SANTA MARGARITA SCHOOL.

Detailed Location: IN THE SE 1/4 OF THE NW 1/4 OF SECTION 11. MAJORITY OF OCCURRENCE BASED ON 1983 WIER MAP AND DIGITAL DATA SUBMITTED BY CDFW.

Ecological: IN OPEN, SANDY AREAS ON MESA TOP. COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA WITH CARDIONEMA RAMOSISSIMUM, CHLOROGALUM PARVIFLORUM, CRASSULA ERECTA, SPERGULARIA SP, ERIOGONUM FASCICULATUM, LOTUS SCOPARIUS, ETC.

General: 1000+ PLANTS OBSERVED IN 1983; "LOCALLY ABUNDANT IN 3 VERY SMALL POPULATIONS." MAJORITY OF THIS OCCURRENCE IS LIKELY EXTIRPATED BUT A SMALL PORTION OF OCCURRENCE (SE END) WAS OBSERVED, PRESUMABLY IN 2013 OR 2014.

Owner/Manager: DOD-CAMP PENDLETON MCB

Occurrence No. 26 **Map Index:** 28665 **EO Index:** 29988 **Element Last Seen:** 1999-XX-XX
Occ. Rank: Good **Presence:** Presumed Extant **Site Last Seen:** 1999-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-06-22

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long: 33.12955 / -117.28919 **Accuracy:** 80 meters
UTM: Zone-11 N3665686 E473024 **Elevation (ft):** 290
PLSS: T12S, R04W, Sec. 15 (S) **Acres:** 0.0

Location: JUST NORTH OF PALOMAR AIRPORT, 1.3 MILES DUE WEST OF JUNCTION OF EL CAMINO REAL AND PALOMAR AIRPORT ROAD.

Detailed Location:

Ecological: ASSOCIATED WITH ADENOSTOMA FASCICULATUM, HEMIZONIA FASCICULATA, NASSELLA SP., AND ERIOGONUM FASCICULATUM. IN HUERHUERO CLAY LOAM.

General: 100 PLANTS ESTIMATED IN 1996. UNKNOWN NUMBER OF PLANTS SEEN DURING FOCUSED SURVEYS FOR THE CALIFORNIA GNATCATCHER IN LATE WINTER OF 1999.

Owner/Manager: PVT



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Occurrence No.	31	Map Index:	61688	EO Index:	61724	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-06-22
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19520 / -117.36508				Accuracy:	80 meters	
UTM:	Zone-11 N3672987 E465970				Elevation (ft):	120	
PLSS:	T11S, R05W, Sec. 25, NW (S)				Acres:	0.0	
Location:	SOUTH OF THE OCEANSIDE-CARLSBAD COUNTRY CLUB, EAST OF I-5 AND 0.2 -0.5 MILE NORTH OF THE OCEANSIDE BLVD EXIT, OCEANSIDE.						
Detailed Location:	FOUND IN OPEN SPACES IN A PORTION OF THE LARGE CENTRAL PATCH OF COASTAL SAGE SCRUB.						
Ecological:	DIEGAN COASTAL SAGE SCRUB MOSTLY DOMINATED BY ARTEMISIA CALIFORNICA WITH ERIOGONUM FASCICULATUM AS OCCASIONAL COMPONENT.						
General:	SEEN DURING FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER AND LEAST BELL'S VIREO IN SUMMER 2001.						
Owner/Manager:	PVT						

Occurrence No.	44	Map Index:	94871	EO Index:	95992	Element Last Seen:	2016-05-20
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2016-05-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-08-31
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13305 / -117.26675				Accuracy:	80 meters	
UTM:	Zone-11 N3666069 E475118				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 14, NE (S)				Acres:	0.0	
Location:	CARLSBAD OAKS NORTH HABITAT CONSERVATION AREA; ~0.25 AIR MILE NORTH OF JUNCTION OF PALOMAR AIRPORT RD & EL CAMINO REAL.						
Detailed Location:	APPROXIMATELY 100 FEET EAST OF ORION STREET. MAPPED ACCORDING TO 2011 MCCONNELL COORDINATES, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 14.						
Ecological:	FLAT TERRAIN, OPENING IN COAST SCRUB OAK CHAPARRAL IN CLAY SOILS WITH BLACKENED CRUST ON IRREGULAR SURFACE. ASSOC WITH GITHOPSIS DIFFUSA SSP. DIFFUSA, DEINANDRA FASCICULATA, MICROSERIS DOUGLASII SSP. PLATYCARPHA, LEPIDIUM VIRGINICUM, ETC.						
General:	200 PLANTS ESTIMATED IN 2011. 88 VEGETATIVE PLANTS COUNTED IN FEB 2016 PLUS 2 FLOWERS COUNTED IN APRIL 2016; LAST REPORTED IN MAY 2016.						
Owner/Manager:	SDG COUNTY, CNLM						



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Occurrence No.	45	Map Index:	94872	EO Index:	95994	Element Last Seen:	2005-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-14	
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22328 / -117.25969			Accuracy:	specific area		
UTM:	Zone-11 N3676070 E475801			Elevation (ft):	350		
PLSS:	T11S, R04W, Sec. 13, NW (S)			Acres:	1.0		
Location:	ARBOR CREEK PROJECT SITE; APPROXIMATELY 0.18 AIR MILE NORTH OF THE JUNCTION OF OCEANSIDE BLVD AND MELROSE DR, NW VISTA.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO A 2005 DUDEK MAP, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 13.						
Ecological:	ANNUAL GRASSLAND HABITAT.						
General:	200 PLANTS OBSERVED IN 2005.						
Owner/Manager:	PVT						

<i>Dudleya multicaulis</i>			Element Code: PDCRA040H0		
many-stemmed dudleya					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive			
Habitat:	General:	CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.			
	Micro:	IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.			

Occurrence No.	133	Map Index:	63589	EO Index:	63684	Element Last Seen:	1995-05-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1995-05-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-01-05	
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34583 / -117.36483				Accuracy:	1/5 mile	
UTM:	Zone-11 N3689687 E466052				Elevation (ft):	400	
PLSS:	T09S, R05W, Sec. 35, SE (S)				Acres:	0.0	
Location:	1200 FEET SOUTH OF THE INTERSECTION OF BASILONE RD & ROBLAR RD ON CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	IN THE SW 1/4 OF THE SW 1/4 OF SECTION 36 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 35.						
Ecological:	OPEN PERENNIAL GRASSLAND ON ERODED E-FACING SLOPE. ASSOC WITH NASSELLA PULCHRA, POA SCABRELLA, BOTHRIOCHLOA BARBINODIS, LOLIUM MULTIFLORUM, CHLOROGALUM POMERIDIANUM, BLOOMERIA CROCEA, SANICULA CRASSICAULIS, AND LESSINGIA FILAGINIFOLIA.						
General:	158 PLANTS OBSERVED IN 1995.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	134	Map Index:	63591	EO Index:	63686	Element Last Seen:	1995-05-11
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-05-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-01-05
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33902 / -117.35159				Accuracy:	1/5 mile	
UTM:	Zone-11 N3688927 E467281				Elevation (ft):	116	
PLSS:	T10S, R05W, Sec. 01, NE (S)				Acres:	0.0	
Location:	KILO TWO TRAINING AREA ON CAMP PENDLETON MARINE CORPS BASE. SOUTH OF THE BORROW PIT, EAST OF BASILONE ROAD.						
Detailed Location:	MAPPED BASED ON 2 SIMLIAR SITE DESCRIPTIONS FROM HERB LABELS: 400 FT E OF BASILONE RD AND CA. 2500 FT S OF ENTRANCE TO BORROW PIT RD IN SEC 1; ALSO: S OF BORROW PIT, ON N SIDE OF HILL 468, AND 1800' NW OF COMBAT TOWN RD IN SEC 6.						
Ecological:	PURPLE NEEDLEGRASS GRASSLAND WITH NASSELLA PULCHRA, AVENA FATUA, SISYRINCHIUM BELLUM, CALYSTEGIA MACROSTEGIA, LOTUS PURSHIANUS, BLOOMERIA CROCEA, BROMUS HORDEACEUS, AMBROSIA PSILOSTACHYA, OSMADENIA TENELLA, AND SANICULA CRASSICAULIS.						
General:	SITE DESCRIPTIONS APPEAR TO INDICATE MORE THAN ONE COLONY WAS FOUND IN 1995, BUT NOT ENOUGH INFO IS KNOWN TO MAP PRECISELY. 75 PLANTS OBSERVED IN 1995 AT 1800' NW OF COMBAT TOWN RD.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	151	Map Index:	96093	EO Index:	97247	Element Last Seen:	2008-05-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-05-13
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32774 / -117.36351				Accuracy:	specific area	
UTM:	Zone-11 N3687681 E466167				Elevation (ft):	220	
PLSS:	T10S, R05W, Sec. 12, NW (S)				Acres:	1.0	
Location:	2 AIR MILES WEST OF THE SOUTHWESTERN END OF O'NEILL LAKE, CAMP PENDLETON.						
Detailed Location:	WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 12.						
Ecological:							
General:	132 PLANTS OBSERVED ON MAY 12, 2008. 148 PLANTS OBSERVED ON MAY 27, 2008. THE DATASET ALSO GIVES A POPULATION NUMBER OF 282 PLANTS IN 2008; MONTH AND DAY NOT PROVIDED BUT LIKELY A SUMMARY OF POPULATION INFORMATION.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	185	Map Index:	A1463	EO Index:	110397	Element Last Seen:	2015-05-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-03-08
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30842 / -117.3207				Accuracy:	80 meters	
UTM:	Zone-11 N3685525 E470146				Elevation (ft):	480	
PLSS:	T10S, R04W, Sec. 17, NE (S)				Acres:	5.0	
Location:	ABOUT 0.3 AIR MILE SOUTH OF RATTLESNAKE CANYON RD AND 0.1 AIR MILE NORTH OF 13TH ST, WEST OF A ST, CAMP PENDLETON.						
Detailed Location:	MAPPED BY CNDDDB BASED ON 2015 RIEFNER COORDINATES FOR BRODIAEA ORCUTTII, DUDLEYA MULTICAULIS MENTIONED AS AN ASSOCIATE. WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 17.						
Ecological:	COASTAL SAGE SCRUB-NATIVE GRASSLAND ECOTONE ON WEST-FACING HILLSIDE. ASSOCIATED WITH ARTEMISIA CALIFORNICA, SALVIA APIANA, GALIUM ANGUSTIFOLIUM, RHUS INTEGRIFOLIA, MALOSMA, OPUNTIA LITTORALIS, STIPA PULCHRA, SISYRINCHIUM BELLUM, ETC.						
General:	8 PLANTS OBSERVED IN 2015.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Dudleya variegata					Element Code: PDCRA040R0		
variegated dudleya							
Listing Status:	Federal:	None	CNDDDB Element Ranks:		Global:	G2	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	CHAPARRAL, COASTAL SCRUB, CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.					
	Micro:	IN ROCKY OR CLAY SOILS; SOMETIMES ASSOCIATED WITH VERNAL POOL MARGINS. 3-550 M.					

Occurrence No.	29	Map Index:	17729	EO Index:	10184	Element Last Seen:	2005-05-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2019-09-18
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.03717 / -117.11891				Accuracy:	specific area	
UTM:	Zone-11 N3655414 E488897				Elevation (ft):	740	
PLSS:	T13S, R02W, Sec. 18, SE (S)				Acres:	5.0	
Location:	APPROXIMATELY 0.8 AIR MILE SE OF LAKE HODGES DAM, NW OF RANCHO BERNARDO.						
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS BASED ON DIGITAL DATA FROM 2001, 2004, 2005, AND 2008. IN THE SW 1/4 SW 1/4 OF SECTION 17 AND THE SE 1/4 SE 1/4 OF SECTION 18.						
Ecological:	IN ROCKY OUTCROP ISLANDS IN AULD CLAY GRASSLAND, AND ON CLAYEY SLOPES IN OLIVENHAIN COBBLY LOAM. ASSOCIATED WITH NASSELLA PULCHRA, CALOCHORTUS SPLENDENS, SISYRINCHIUM BELLUM, AND CHLOROGALUM PARVIFLORUM.						
General:	WESTERN POLYGON: 295 PLANTS OBSERVED IN 2001, 36 PLANTS IN 2005. EASTERN POLYGON: 1000+ PLANTS OBSERVED IN 1983 BETWEEN THIS POLYGON AND OCCURRENCE #S 30 & 31, 100+ PLANTS IN 1991, UNKNOWN NUMBER IN 2001.						
Owner/Manager:	PVT						



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Occurrence No.	30	Map Index:	17727	EO Index:	10182	Element Last Seen:	2001-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-03
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.02137 / -117.10858				Accuracy:	specific area	
UTM:	Zone-11 N3653661 E489858				Elevation (ft):	600	
PLSS:	T13S, R02W, Sec. 29, NE (S)				Acres:	5.0	
Location:	4-S RANCH AREA; APPROXIMATELY 0.2 MILE WEST OF THE JUNCTION OF BLACK MOUNTAIN ROAD AND ALVA ROAD.						
Detailed Location:	NORTH SIDE OF BLACK MOUNTAIN ROAD IN THE NW 1/4 OF THE NE 1/4 OF SECTION 29.						
Ecological:	IN ROCKY ISLANDS IN AULD CLAY GRASSLAND AND ON CLAYEY SLOPES IN OLIVENHAIN COBBLY LOAM. ASSOCIATED WITH ADOLPHIA CALIFORNICA, NASSELLA PULCHRA, SISYRINCHIUM BELLUM, CALOCHORTUS SPLENDENS, AND GRINDELIA ROBUSTA.						
General:	1000+ PLANTS OBSERVED IN 1983 BETWEEN OCCURRENCE #S 29-31. 200+ OBSERVED IN 1991. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001 ACCORDING TO DIGITAL DATA FROM THE CITY OF SAN DIEGO.						
Owner/Manager:	PVT						

Occurrence No.	31	Map Index:	17728	EO Index:	10183	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-06-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-09-17
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01956 / -117.09877				Accuracy:	specific area	
UTM:	Zone-11 N3653459 E490774				Elevation (ft):	620	
PLSS:	T13S, R02W, Sec. 28, NW (S)				Acres:	3.0	
Location:	4-S RANCH AREA; APPROXIMATELY 0.2 MILE SE OF THE JUNCTION OF BLACK MOUNTAIN ROAD WITH CAMINO SAN BERNARDO.						
Detailed Location:	SOUTH SIDE OF BLACK MOUNTAIN ROAD, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 28.						
Ecological:	ON ROCKY ISLANDS IN AULD CLAY GRASSLAND AND ON CLAYEY SLOPES IN OLIVENHAIN COBBLY LOAM. ASSOCIATED WITH NASSELLA PULCHRA, SISYRINCHIUM BELLUM, CALOCHORTUS SPLENDENS, AND CHLOROGALUM PARVIFLORUM. ACANTHOMINTHA ILICIFOLIA ALSO NEARBY.						
General:	1000+ PLANTS OBSERVED IN 1983 BETWEEN OCCURRENCE #S 29-31. 100+ OBSERVED IN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	34	Map Index:	21665	EO Index:	8500	Element Last Seen:	2001-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-03
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01728 / -117.11910				Accuracy:	specific area	
UTM:	Zone-11 N3653209 E488875				Elevation (ft):	560	
PLSS:	T13S, R02W, Sec. 30, NE (S)				Acres:	3.0	
Location:	4-S RANCH AREA; SE OF BLACK MOUNTAIN ROAD/GRANT BOUNDARY JUNCTION, 0.2 MILE WEST OF 4-S RANCH ON TOPO.						
Detailed Location:	IN THE SE 1/4 OF THE NE 1/4 OF SECTION 30.						
Ecological:	GROWING IN GRASSLAND AND COASTAL SAGE SCRUB.						
General:	200+ PLANTS SEEN IN 1991 SURVEY. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001 ACCORDING TO DIGITAL DATA FROM THE CITY OF SAN DIEGO.						
Owner/Manager:	PVT						

Occurrence No.	35	Map Index:	21667	EO Index:	8534	Element Last Seen:	2017-05-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-10-22
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00216 / -117.1212				Accuracy:	specific area	
UTM:	Zone-11 N3651533 E488679				Elevation (ft):	425	
PLSS:	T13S, R02W, Sec. 31, NE (S)				Acres:	6.0	
Location:	4-S RANCH AREA; APPROXIMATELY 2.1 TO 2.4 AIR MILES WEST OF THE JUNCTION OF CAMINO DEL NORTE AND I-15, LA JOLLA VALLEY.						
Detailed Location:	MAPPED BY CNDDDB AS 6 POLYGONS.						
Ecological:	CLAY SOILS. NATIVE GRASSLAND WITH BRACHYPODIUM, ISOCOMA, ADOLPHIA CALIFORNICA, SISYRINCHIUM BELLUM, NASSELLA SP., AND GRINDELIA.						
General:	200+ PLANTS SEEN IN 1991. UNKNOWN NUMBER OBSERVED IN 2 N POLYGONS IN 2001 ACCORDING TO DIGITAL DATA FROM THE CITY OF SAN DIEGO. 3 SW-MOST POLYGONS: 41 PLANTS OBSERVED IN 2001 & 274 PLANTS OBSERVED IN 2005. 500 PLANTS IN 2007. SEEN IN 2017.						
Owner/Manager:	PVT						



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Occurrence No.	49	Map Index:	21760	EO Index:	18148	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1991-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1992-11-20		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01783 / -117.14227			Accuracy:	80 meters		
UTM:	Zone-11 N3653272 E486712			Elevation (ft):	450		
PLSS:	T13S, R03W, Sec. 25, NE (S)			Acres:	0.0		
Location:	APPROXIMATELY 2 AIR MILES SSW OF LAKE HODGES DAM, TRIBUTARY OF LUSARDI CREEK.						
Detailed Location:							
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1992 BIOLOGICAL TECHNICAL REPORT FOR BLACK MOUNTAIN RANCH. NEEDS FIELDWORK.						
Owner/Manager:	PVT						

Occurrence No.	50	Map Index:	21763	EO Index:	18184	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1991-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1992-11-20		
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01631 / -117.12599			Accuracy:	80 meters		
UTM:	Zone-11 N3653102 E488232			Elevation (ft):	550		
PLSS:	T13S, R02W, Sec. 30, NE (S)			Acres:	0.0		
Location:	APPROXIMATELY 2 AIR MILES SOUTH OF LAKE HODGES DAM, TRIBUTARY OF LUSARDI CREEK.						
Detailed Location:							
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1992 BIOLOGICAL TECHNICAL REPORT FOR BLACK MOUNTAIN RANCH. NEEDS FIELDWORK.						
Owner/Manager:	PVT						



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Occurrence No.	51	Map Index:	21762	EO Index:	18355	Element Last Seen:	2001-06-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00891 / -117.14909				Accuracy:	non-specific area	
UTM:	Zone-11 N3652285 E486073				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 25, SW (S)				Acres:	22.0	
Location:	APPROXIMATELY 1.3 TO 1.5 AIR MILES EAST OF CONFLUENCE OF LUSARDI CREEK AND SAN DIEGUITO RIVER.						
Detailed Location:	0.3 KM AND 0.7 KM NW OF "BARN" SURVEY MARKER ON TOPO MAP. MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO A 1992 MAP (S POLYGON, SPECIFIC) AND LOCATION DESCRIPTION FROM A 2001 ROBERTS COLLECTION (N POLYGON, NON-SPECIFIC).						
Ecological:	OPEN GRASSY COASTAL SAGE SCRUB ON ROCKY LOAMY CLAY SOIL. ASSOCIATED WITH CHLOROGALUM PARVIFLORUM, BRACHYPODIUM DISTACHYON, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, STIPA LEPIDA, AND SELAGINELLA CINERASCENS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN SOUTHERN POLYGON IN 1992 AND IN NORTHERN POLYGON IN 2001.						
Owner/Manager:	PVT						

Occurrence No.	108	Map Index:	91431	EO Index:	92435	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-04
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03625 / -117.13752				Accuracy:	specific area	
UTM:	Zone-11 N3655314 E487158				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 24, NE (S)				Acres:	2.0	
Location:	APPROXIMATELY 0.8 AIR MILE SW OF LAKE HODGES DAM, SOUTH OF THE SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS ACCORDING TO CITY OF SAN DIEGO DIGITAL DATA. IN THE SE 1/4 SE 1/4 SECTION 13 AND THE NE 1/4 NE 1/4 SECTION 24.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS CITY OF SAN DIEGO DIGITAL DATA WITH MINIMAL ATTRIBUTE TABLE INFORMATION (YEAR: 2001, LOCATION: LAKE HODGES/SAN PASQU). NEED ADDITIONAL INFORMATION ABOUT THIS SITE.						
Owner/Manager:	PVT						



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Occurrence No.	109	Map Index:	91432	EO Index:	92436	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-02-04
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07043 / -117.17467				Accuracy:	specific area	
UTM:	Zone-11 N3659109 E483695				Elevation (ft):	900	
PLSS:	T13S, R03W, Sec. 03, SE (S)				Acres:	1.0	
Location:	APPROXIMATELY 0.28 AIR MILE SW OF THE SE END OF ELFIN FOREST LANE, NORTH OF THE ESCONDIDO RIVER.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO CITY OF SAN DIEGO DIGITAL DATA. IN THE NW 1/4 SE 1/4 SECTION 3.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS CITY OF SAN DIEGO DIGITAL DATA WITH MINIMAL ATTRIBUTE TABLE INFORMATION (YEAR: 2001, LOCATION: LAKE HODGES/SAN PASQU). NEED ADDITIONAL INFORMATION ABOUT THIS SITE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	110	Map Index:	91433	EO Index:	92437	Element Last Seen:	2018-05-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-09-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0104 / -117.16211				Accuracy:	specific area	
UTM:	Zone-11 N3652452 E484858				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 26, S (S)				Acres:	5.0	
Location:	LUSARDI CREEK OPEN SPACE; APPROXIMATELY 0.75 AIR MILE NE OF LOW SOUTH SURVEY MARKER, SE OF RANCHO SANTA FE.						
Detailed Location:	MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO DIGITAL DATA FROM SAN DIEGO COUNTY AND SAN DIEGO MSCP. IN THE EAST 1/2 OF THE SW 1/4 OF SECTION 26 AND THE SW 1/4 OF THE SE 1/4 OF SECTION 26.						
Ecological:	AMONG LOW, EXPOSED ROCKS ON CLAY BARREN. MIXED NATIVE AND ANNUAL GRASSLAND WITH BLOOMERIA CROCEA, STIPA PULCHRA, CENTAUREA MELITENSIS, CALOCHORTUS SPLENDENS, ADOLPHIA CALIFORNICA, BRACHYPODIUM DISTACHYON, MICROSERIS DOUGLASII, ETC.						
General:	APPROXIMATELY 76 INDIVIDUALS OBSERVED IN SE POLYGON IN 2001. POPULATION NUMBERS FOR NORTHERN POLYGONS: 72 IN 2005, 11 IN 2008, ~200 IN 2016 AND 2017, 140 PLANTS IN 2018.						
Owner/Manager:	SDG COUNTY						

Dudleya viscida			Element Code: PDCRA040T0		
sticky dudleya					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive			
Habitat:	General:	COASTAL SCRUB, COASTAL BLUFF SCRUB, CHAPARRAL, CISMONTANE WOODLAND.			
	Micro:	ON NORTH AND SOUTH-FACING CLIFFS AND BANKS. 20-870 M.			



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Occurrence No.	1	Map Index:	03323	EO Index:	19647	Element Last Seen:	2016-12-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-12-15	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-01-18	
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.21125 / -117.3755			Accuracy:	specific area		
UTM:	Zone-11 N3674770 E465006			Elevation (ft):	100		
PLSS:	T11S, R05W, Sec. 23, N (S)			Acres:	36.0		
Location:	SLOPES ABOVE BOTH SIDES OF THE SAN LUIS REY RIVER, FROM I-5 TO THE EAST ABOUT 1.5 MILES, OCEANSIDE.						
Detailed Location:	8 POLYGONS MAPPED ACCORDING TO A 1979 RIEGER MAP, 2006 ROBERTS COORDINATES, 2015 MORSE COORDINATES, AND 2016 VANDERHOFF COORDINATES. INCLUDES GENERAL OBSERVATIONS FROM OCEANSIDE AND "DODDS CANYON AT OCEANSIDE."						
Ecological:	COASTAL SAGE SCRUB AND PATCHY TOYON-SUMAC CHAPARRAL WITH HEAVY TOXICODENDRON DIVERSILOBUM. ASSOCIATED WITH VARIOUS MOSSES, LICHENS, POLYPODIUM CALIFORNICA, ETC. GROWING SYMPATRIC WITH DUDLEYA EDULIS.						
General:	8425+ PLANTS SEEN ALONG S SIDE OF RIVER IN 1979. UNKNOWN NUMBER SEEN ALONG BOTH SIDES OF RIVER IN 2015. 200+ PLANTS (NOTED AS COMMON, BUT LOCAL) IN 2016. MANY COLLECTIONS & OBSERVATIONS FROM 1897 - 2012 ATTRIB HERE. INCL FORMER EO #S 2 & 3.						
Owner/Manager:	PVT						

Occurrence No.	7	Map Index:	03772	EO Index:	19644	Element Last Seen:	1985-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1985-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1989-08-11	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05606 / -117.19499			Accuracy:	1/5 mile		
UTM:	Zone-11 N3657518 E481796			Elevation (ft):	200		
PLSS:	T13S, R03W, Sec. 09, SE (S)			Acres:	0.0		
Location:	N EDGE OF RANCHO SANTE FE, ALONG ESCONDIDO CREEK, NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:							
General:	FEWER THAN 50 PLANTS IN 1985.						
Owner/Manager:	PVT						



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Occurrence No.	8	Map Index:	03680	EO Index:	19642	Element Last Seen:	2015-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-02-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09334 / -117.23848				Accuracy:	specific area	
UTM:	Zone-11 N3661660 E477746				Elevation (ft):	150	
PLSS:	T12S, R03W, Sec. 31, N (S)				Acres:	16.0	
Location:	SAN MARCOS CREEK, ABOUT 1.5 AIR MILES SOUTH OF RANCHO DE LOS QUIOTES.						
Detailed Location:	4 POLYGONS MAPPED ACCORDING TO A 2008 AND 2010 MAPS FROM CNLM. WITHIN RANCHO LA COSTA PRESERVE AND LA COSTA CANYON PARK.						
Ecological:	CLIFF FACES.						
General:	6280 PLANTS SEEN THROUGHOUT OCCURRENCE IN 2008. IN LA COSTA CANYON PARK (SW TIP OF OCCURRENCE): 50 PLANTS SEEN DURING 2009-2010 SURVEYS, 2000 PLANTS SEEN IN 2015. ALSO SEEN IN THIS VICINITY DURING OR PRIOR TO 1979.						
Owner/Manager:	CNLM, CITY OF CARLSBAD						

Occurrence No.	25	Map Index:	49440	EO Index:	49440	Element Last Seen:	2000-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-11-19
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06599 / -117.17148				Accuracy:	specific area	
UTM:	Zone-11 N3658615 E483993				Elevation (ft):	370	
PLSS:	T13S, R03W, Sec. 03, SE (S)				Acres:	0.7	
Location:	ALONG ESCONDIDO CREEK, APPROXIMATELY 0.6 AIR MILE SOUTHWEST OF HARMONY GROVE ROAD INTERSECTION WITH ELFIN FOREST ROAD.						
Detailed Location:	SITE MAPPED IN THE FARTHEST SE 1/4 OF THE SE 1/4 OF SECTION 3.						
Ecological:							
General:	1300 PLANTS OBSERVED IN 2000.						
Owner/Manager:	PVT						



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Occurrence No.	26	Map Index:	49451	EO Index:	49451	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-11-21
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15739 / -117.26281				Accuracy:	3/5 mile	
UTM:	Zone-11 N3668766 E475493				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 02 (S)				Acres:	0.0	
Location:	SOUTHWEST OF LAKE HODGES, SOUTH OF SAN DIEGUITO RIVER, EAST OF RANCHO SANTA FE.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED IN VICINITY OF DRAINAGES INTO SAN DIEGUITO RIVER APPROXIMATELY 0.8 MILE WEST OF LAKE HODGES. SITE DESCRIBED AS "SECLUDED RIPARIAN CREEK 1 MILE WEST OF LAKE HODGES & S OF DEL DIOS HWY & THE SAN DIEGUITO RIVER."						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS FROM REISER'S 2001 "RARE PLANTS OF SAN DIEGO COUNTY." MAP DETAIL NEEDED. UNKNOWN WHEN SEEN.						
Owner/Manager:	UNKNOWN						

Occurrence No.	29	Map Index:	A3413	EO Index:	105050	Element Last Seen:	2004-02-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-02-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06129 / -117.18442				Accuracy:	80 meters	
UTM:	Zone-11 N3658097 E482784				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 10, NW (S)				Acres:	5.0	
Location:	SOUTH OF ESCONDIDO CREEK AND JUST NORTHWEST OF THE END OF VIA VARESE, ~1.3 AIR MILES NNE OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	MAPPED IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 10 ACCORDING TO A 2004 MAP BY HELIX ENVIRONMENTAL PLANNING, INC.						
Ecological:	DIEGAN COASTAL SAGE SCRUB. THE RARE COREOPSIS MARITIMA ALSO OCCURS AT THIS SITE.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2004.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	30	Map Index:	A3416	EO Index:	105053	Element Last Seen:	2015-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-01-18		
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.21599 / -117.36915			Accuracy:	specific area		
UTM:	Zone-11 N3675293 E465600			Elevation (ft):	75		
PLSS:	T11S, R05W, Sec. 14, SE (S)			Acres:	1.0		
Location:	NORTH SIDE OF SAN LUIS RIVER, ABOUT 0.5 AIR MILE EAST OF NORTH TERRACE ELEMENTARY SCHOOL, OCEANSIDE.						
Detailed Location:	MAPPED IN THE EAST 1/2 OF THE SE 1/4 OF SECTION 14 ACCORDING TO 2015 MORSE COORDINATES.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2015.						
Owner/Manager:	UNKNOWN						
Occurrence No.	31	Map Index:	A3417	EO Index:	105054	Element Last Seen:	1997-06-07
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1997-06-07		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-01-18		
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22546 / -117.37387			Accuracy:	specific area		
UTM:	Zone-11 N3676344 E465164			Elevation (ft):	100		
PLSS:	T11S, R05W, Sec. 14, NE (S)			Acres:	22.0		
Location:	UPPER PORTION OF AN UNNAMED CANYON TRIBUTARY TO SAN LUIS REY RIVER, ABOUT 1.2 AIR MILES EAST OF FALLBROOK JUNCTION.						
Detailed Location:	3 POLYGONS MAPPED ACCORDING TO DIGITAL DATA FROM CAMP PENDLETON.						
Ecological:	UPLAND.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1997.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						
Arctostaphylos glandulosa ssp. crassifolia						Element Code: PDERI040E8	
Del Mar manzanita							
Listing Status:	Federal:	Endangered			CNDDDB Element Ranks:	Global:	G5T2
	State:	None				State:	S2
	Other:	Rare Plant Rank - 1B.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	CHAPARRAL.					
	Micro:	SANDY COASTAL MESAS AND OCEAN BLUFFS; IN CHAPARRAL OR TORREY PINE FOREST. 30-365 M.					



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Occurrence No.	1	Map Index:	22639	EO Index:	12616	Element Last Seen:	2010-03-09
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-01-19
Quad Summary:	Encinitas (3311713), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.11437 / -117.26937				Accuracy:	specific area	
UTM:	Zone-11 N3663998 E474868				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 23 (S)				Acres:	301.0	
Location:	BATIQUITOS LAGOON NORTH TO VICINITY OF PALOMAR AIRPORT ALONG BOTH SIDES OF EL CAMINO REAL, CARLSBAD.						
Detailed Location:	MAPPED AS MULTIPLE POLYGONS. NEED MORE INFO ON W-MOST PORTION OF OCCURRENCE IN SEC 22. POPULATIONS WITHIN RANCHO LA COSTA HCA MAY BE MORE RESTRICTED THAN CURRENTLY MAPPED BASED ON 2008 INFO; MAJORITY OF PLANTS IN AREA MAY BE SSP GLANDULOSA.						
Ecological:	OCCURS IN SOUTHERN MARITIME CHAPARRAL WITH QUERCUS DUMOSA, ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, XYLOCOCCUS BICOLOR, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, AND ADOLPHIA CALIFORNICA. SOILS MAPPED AS CIENEBA & HUERHUERO LOAM.						
General:	3508-3528 PLANTS IN 51 SUBPOPS IN 1980. ~2026 IN 32 SUBPOPS IN 1991. PORTION OF EO: 616 PLANTS IN 1997; SEEN IN '98, '03, '04, '06, '08, AND '10. MORE SPECIFIC POPULATION DATA AVAILABLE AT CNDDB. INCLUDES OCC #3.						
Owner/Manager:	PVT, SDG COUNTY, UNKNOWN						

Occurrence No.	2	Map Index:	71064	EO Index:	29907	Element Last Seen:	1998-04-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1998-04-14
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2014-01-09
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13703 / -117.29284				Accuracy:	specific area	
UTM:	Zone-11 N3666517 E472685				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 15, NW (S)				Acres:	8.0	
Location:	WEST OF LETTERBOX CANYON AND NORTH OF PALOMAR AIRPORT, ABOUT 0.2 MILE SOUTHEAST OF EVANS POINT, CARLSBAD.						
Detailed Location:	ABOVE WESTERN TERMINUS OF FARADAY AVENUE. MAPPED ACCORDING TO A 1992 ROBERTS MAP. A 1998 REISER COLLECTION NOTES THAT NEARBY SHRUBS SHOW SOME INTROGRESSION WITH A. G. ZACAENSIS BUT ARE GENERALLY CLOSER TO A. G. CRASSIFOLIA.						
Ecological:	ON UNGRADED SLOPES IN SOUTHERN MARITIME CHAPARRAL. WITH ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, RHUS INTEGRIFOLIA, YUCCA SCHEDIGERA, XYLOCOCCUS BICOLOR, HELIANTHEMUM SCOPARIUM, QUERCUS DUMOSA, COMAROSTAPHYLIS DIVERSIFOLIA, ETC.						
General:	470-489+ PLANTS IN TWO EXTREMELY DENSE COLONIES IN 1980. 147 PLANTS IN 1992; AT LEAST 25 WERE ELIMINATED BY GRADING. 60 PLANTS IN 1995. 200-500 IN 1997. UNKNOWN # IN 1998. POP ALSO THREATENED BY FUEL MODIFICATION & FRAGMENTATION (1992).						
Owner/Manager:	PVT, UNKNOWN						



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Occurrence No.	4	Map Index:	22629	EO Index:	9653	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1992-11-19		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10127 / -117.28288			Accuracy:	80 meters		
UTM:	Zone-11 N3662549 E473604			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 27, SE (S)			Acres:	0.0		
Location:	ABOUT 0.6 MILE NORTH OF BATIQUITOS LAGOON AND 0.9 MILE WEST OF EL CAMINO REAL, CARLSBAD.						
Detailed Location:							
Ecological:							
General:	MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS SITE; NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	5	Map Index:	22628	EO Index:	2115	Element Last Seen:	2020-05-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2020-05-08		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2021-01-19		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06771 / -117.27044			Accuracy:	specific area		
UTM:	Zone-11 N3658826 E474756			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 2, W (S)			Acres:	75.0		
Location:	HILLS WEST OF GREEN VALLEY, BETWEEN LA COSTA AVE & ENCINITAS BLVD, CARLSBAD.						
Detailed Location:	MAPPED AS MULTIPLE POLYGONS BY CNDDB BASED MAINLY ON A 1992 ROBERTS MAP WHICH CONSISTED OF DATA FROM HUFFMAN (1980) AND JONES & MESSINA (1992), AND TO INCLUDE COORDINATES FROM MORSE, VEGCAMP, AND INATURALIST.						
Ecological:	ON HILLS & CLIFFS MOSTLY ON E-FACING SLOPES. IN MIXED CHAPARRAL & COASTAL SAGE SCRUB W/ ADENOSTOMA FASCICULATUM AND DENDROMECON RIGIDA. MANY RARE TAXA IN AREA: CEANOTHUS VERRUCOSUS, BACCHARIS VANESSAE, ADOLPHIA CALIFORNICA, CA GNATCATCHER.						
General:	355-424 PLANTS IN 1980. 1164 ESTIMATED IN 1992 BY JONES AND MESSINA (AS REPORTED BY ROBERTS 1992). PORTIONS SEEN IN 2013, 2015-2017, 2020. ADDITIONAL THREATS TO SITE ARE ROAD CONSTRUCTION, FUEL MODIFICATION, & FRAGMENTATION (1992).						
Owner/Manager:	PVT, UNKNOWN						



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Occurrence No.	6	Map Index:	22627	EO Index:	19969	Element Last Seen:	2015-06-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-06-25
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2016-11-28
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06246 / -117.25469				Accuracy:	specific area	
UTM:	Zone-11 N3658241 E476223				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 12 (S)				Acres:	159.0	
Location:	BETWEEN EL CAMINO REAL AND RANCHO SANTA FE ROAD AND BETWEEN LA COSTA AVE AND ENCINITAS BLVD, ENCINITAS.						
Detailed Location:	IN 1996, ROBERTS MENTIONED THAT THE PLANTS IN THIS AREA ARE DIRECTLY THREATENED BY DEVELOPMENT AND THE HABITAT WILL BE SO FRAGMENTED THAT THE REMAINING POPULATION WILL NOT BE VIABLE. SOME PLANTS INTERGRADE W/ A. G. ZACAENSIS IN THIS AREA.						
Ecological:	GROWING MOSTLY ON HILLS IN ASSOCIATION WITH COASTAL MIXED CHAPARRAL. ASSOCIATES INCLUDE ADENOSTOMA FASCICULATUM, QUERCUS DUMOSA, HETEROMELES ARBUTIFOLIA, XYLOCOCCUS BICOLOR, CNEORIDIUM DUMOSUM, BROMUS DIANDRUS, LOTUS SCOPARIUS, ETC.						
General:	2261-2713 PLANTS OBSERVED IN 1980. APPROX 1016 PRESUMED EXTANT ACCORDING TO 1991 AERIAL IMAGERY EVALUATED BY ROBERTS. PORTION OF EO WAS DESTROYED BY HOME DEPOT PROJECT. UNK # IN 1997 & 2015. UPDATED MAPS OF REMAINING EXTANT POPS NEEDED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	7	Map Index:	22626	EO Index:	19972	Element Last Seen:	2019-10-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-10-16
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-01-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04427 / -117.26805				Accuracy:	specific area	
UTM:	Zone-11 N3656227 E474972				Elevation (ft):	360	
PLSS:	T13S, R04W, Sec. 14, W (S)				Acres:	19.0	
Location:	VICINITY OF OAK CREST PARK, ALONG ENCINITAS BLVD ABOUT 0.2-0.7 MILE WEST OF EL CAMINO REAL, ENCINITAS.						
Detailed Location:	ONE COLONY AT OAK CREST PARK BETWEEN JUNIOR HIGH SCHOOL AND ENCINITAS BLVD; SECOND COLONY LOCATED ABOUT 0.2 MILE TO THE WEST, JUST NORTH OF OCEAN KNOLL SCHOOL. INCLUDES FORMER EO #39.						
Ecological:	GROWING IN SOUTHERN MARITIME CHAPARRAL IN ASSOCIATION W/ BACCHARIS VANNESAE, ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, CHORIZANTHE ORCUTTIANA, CEANOTHUS VERRUCOSUS, CNEORIDIUM DUMOSUM, CORETHROGYNE FILAGINIFOLIA VAR. LINIFOLIA, ET AL.						
General:	E COLONY: SEVERAL HUNDRED IN 1978, 126-151 IN 1980, 61 PRESUMED EXTANT ACC TO 1991 AERIAL IMAGERY EVALUATED BY ROBERTS, SEEN IN 1992 & 2010, SEEN IN 2013, 100 IN 2015, "OCCASIONAL" IN 2016, SEEN IN 2018. W COLONY: 12 IN 1991, SEEN IN 2019.						
Owner/Manager:	CITY OF ENCINITAS, UNKNOWN						



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Occurrence No.	8	Map Index:	22625	EO Index:	16360	Element Last Seen:	2010-06-03
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-19
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02966 / -117.26044			Accuracy:	specific area		
UTM:	Zone-11 N3654605 E475678			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 23, E (S)			Acres:	70.0		
Location:	WEST SIDE OF LUX CANYON, FROM 0.5-2 MILES SOUTH OF ENCINITAS BLVD, ENCINITAS.						
Detailed Location:	SOME PLANTS FOUND BEHIND TENNIS COURTS. MAPPED BY CNDDB AS 4 POLYGONS; S HALF OF LARGE MIDDLE POLYGON NEEDS ADDITIONAL MAP DETAIL AS ONLY SOURCE IS A NOTE FROM VANDERWIER IN 1996 THAT PLANT IS SCATTERED IN THIS AREA.						
Ecological:	TALL AND DENSE CHAPARRAL DOMINATED BY CHAMISE IN ASSOCIATION WITH OTHER SHRUBS SUCH AS LAUREL SUMAC, LEMONADEBERRY, MISSION MANZANITA, CALIFORNIA SCRUB OAK, BLACK SAGE, TOYON, BUSHRUE, MOJAVE YUCCA, WART-STEM CEANOTHUS, ETC.						
General:	153-161 PLANTS COUNTED IN 1980. 135 PLANTS PRESUMED EXTANT ACCORDING TO 1986 AERIAL IMAGERY EVALUATED BY ROBERTS. SEEN IN 1992. 21 IN 2004 ON PRIVATE LAND. >112 IN 2008 ON PRIVATE LAND. STUMP RESPROUT SEEN IN 2010. INCLUDES FORMER OCC #9.						
Owner/Manager:	PVT						

Occurrence No.	10	Map Index:	22638	EO Index:	8839	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-03
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13219 / -117.13802			Accuracy:	non-specific area		
UTM:	Zone-11 N3665950 E487125			Elevation (ft):	800		
PLSS:	T12S, R02W, Sec. 18, NW (S)			Acres:	48.4		
Location:	BETWEEN SAN MARCOS AND ESCONDIDO, APPROX. 1.5 MILES SOUTH OF RICHLAND SCHOOL.						
Detailed Location:	WEST OF TRAILER PARK TO THE SOUTH OF HWY 78.						
Ecological:							
General:	MAP DETAIL IS ONLY SOURCE OF INFORMATION. ACCORDING TO J. VANDERWIER AND V. SCHIEDT, THIS OCCURRENCE IS TAXONOMICALLY SUSPECT; MORE STUDIES NEEDED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	12	Map Index:	22635	EO Index:	16358	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10602 / -117.15082				Accuracy:	non-specific area	
UTM:	Zone-11 N3663050 E485928				Elevation (ft):	1200	
PLSS:	T12S, R03W, Sec. 25, NW (S)				Acres:	13.4	
Location:	ABOUT 0.4 MILE SOUTH OF SUMMIT OF MT. WHITNEY, EAST OF ENCINITAS AND SOUTH OF SAN MARCOS.						
Detailed Location:							
Ecological:							
General:	MAP DETAIL IS THE MAIN SOURCE OF INFORMATION FOR THIS SITE; NEEDS FIELDWORK. ID NEEDS CONFIRMATION; PLANTS NORTH OF MT WHITNEY (FORMER CNDDDB EO #11) ARE EITHER A. G. SSP. ZACAENSIS OR INTERMEDIATES.						
Owner/Manager:	UNKNOWN						

Occurrence No.	13	Map Index:	22630	EO Index:	29902	Element Last Seen:	1994-02-03
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1994-02-03
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2008-04-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06306 / -117.23365				Accuracy:	specific area	
UTM:	Zone-11 N3658302 E478188				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 07, NW (S)				Acres:	25.8	
Location:	EAST OF RANCHO SANTA FE ROAD AT JUNCTION WITH OLIVENHAIN AVE, JUST SOUTH OF ENCINTAS CREEK, SE CORNER OF CARLSBAD.						
Detailed Location:	TWO POLYGONS MAPPED ABOUT 0.7-1.1 MILES ESE OF END OF OLIVENHAIN AVE. N POLY REPORTEDLY GROWING IN SEVERAL DENSE POPULATIONS IN OPEN SPACES BETWEEN HOUSES, A FEW STANDS ALSO IN SMALL TO MEDIUM SIZED CANYONS.						
Ecological:	GROUND MOSTLY BARREN. FORMERLY SUPPORTED SOUTHERN MARITIME CHAPARRAL AND SAGE SCRUB/NATIVE GRASSLAND. OTHER RARE PLANTS HERE INCLUDE COMAROSTAPHYLIS DIVERSIFOLIA AND ADOLPHIA CALIFORNICA.						
General:	882 INDIVIDUAL PLANTS OBSERVED IN N POLY IN 1980. ONLY 2 NON-VIABLE PLANTS SEEN IN SOUTHERN POLYGON IN 1994.						
Owner/Manager:	PVT, UNKNOWN						



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Occurrence No.	14	Map Index:	22631	EO Index:	24259	Element Last Seen:	2018-02-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2018-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-01-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03532 / -117.24711				Accuracy:	specific area	
UTM:	Zone-11 N3655230 E476925				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 24, S (S)				Acres:	70.0	
Location:	SOUTH OF ENCINTAS BLVD, JUST WEST OF ITS JUNCTION WITH MANCHESTER AVE, OLIVENHAIN.						
Detailed Location:	MAPPED AS 4 POLYGONS. IN 1980, SOME FAIRLY DENSE POPULATIONS NEXT TO ENCINITAS BLVD. SOUTHERN PORTION OF EO IS WITHIN MANCHESTER MITIGATION BANK. SOME PLANTS IN THIS AREA WERE IDENTIFIED AS HYBRIDS WITH SSP. GLANDULOSA.						
Ecological:	POPULATION GROWING IN DENSE STANDS IN OPEN AREAS AND IN ISOLATED POCKETS WITHIN DEVELOPED AREAS. COASTAL MIXED CHAPARRAL; HETEROMELES ARBUTIFOLIA SEEDLINGS AND SEEDLINGS OF OTHER CHAPARRAL SPECIES.						
General:	361-378 PLANTS IN 16 SUBPOPS IN 1980. 165 PLANTS IN 8+ SUBPOPS IN 1986 BASED ON AERIAL IMAGERY EVALUATED BY ROBERTS. ~150 PLANTS IN 1996, 100 IN 2001, 150 IN 2004, "OCCASIONAL" IN 2007, ~222 IN 2008, SEEN IN 2010, 20 IN 2016, SEEN IN 2018.						
Owner/Manager:	PVT, CNLM						

Occurrence No.	15	Map Index:	22634	EO Index:	21088	Element Last Seen:	2019-01-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2019-01-31
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-01-26
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02924 / -117.16134				Accuracy:	specific area	
UTM:	Zone-11 N3654540 E484932				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 23 (S)				Acres:	14.0	
Location:	WEST OF THE NORTH JUNCTION OF TOP OF THE MORNING WAY AND BING CROSBY BLVD, SE SIDE OF THE SAN DIEGUITO RIVER.						
Detailed Location:	VERY DENSE POPULATION NEAR AND SURROUNDING MINE SITE. IN 1996, VANDERWIER NOTES THAT THIS MAY NOT BE "GOOD" A. G. CRASSIFOLIA. IN 2010, USFWS CONFIRMED THAT SITE CONTAINS A. G. SSP. CRASSIFOLIA, A. G. SSP. GLANDULOSA, AND INTERMEDIATES.						
Ecological:	POPULATION COMPRISED OF MOSTLY ROUNDED SHRUBS AND SMALL TREES, SOME OVER 10 FEET TALL. SOME INDIVIDUALS WITH GLANDS, SOME WITHOUT; MOST WITH DARK GREEN LEAVES.						
General:	425+ PLANTS IN 1980. POPULATION HAS LIKELY BEEN REDUCED BY CONSTRUCTION OF GOLF COURSE. UNKNOWN NUMBER SEEN IN 2010 WITHIN HMA 7 OF THE CROSBY AT RANCHO SANTA FE; SITE DESCRIBED AS A "RELOCATION AND RESTORATION SITE." 1 PLANT IN 2019.						
Owner/Manager:	PVT						



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Occurrence No.	16	Map Index:	22632	EO Index:	8178	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00953 / -117.22169			Accuracy:	80 meters		
UTM:	Zone-11 N3652365 E479293			Elevation (ft):	250		
PLSS:	T13S, R03W (S)			Acres:	0.0		
Location:	RANCHO SANTA FE, 0.5 KM NNW OF RAMBLA DE LAS FLORES/LINEA DEL CIELO INTERSECTION.						
Detailed Location:	MAPPED ACCORDING TO A 1980 HUFFMAN MAP; LOCALITY INFORMATION WAS REPORTEDLY FROM AN EIR AND AREA WAS NOT SURVEYED BY HUFFMAN.						
Ecological:							
General:	MAP DETAIL IS ONLY SOURCE OF INFORMATION; NEEDS FIELDWORK. 38 PLANTS REPORTED (YEAR UNKNOWN). PLANTS STILL EXTANT ACCORDING TO D. HOGAN (VIA D. HICKSON 1996, DATE PLANTS OBSERVED & POPULATION SIZE UNKNOWN).						
Owner/Manager:	UNKNOWN						

Occurrence No.	17	Map Index:	22001	EO Index:	18957	Element Last Seen:	2013-11-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-11-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-19
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99789 / -117.23529			Accuracy:	specific area		
UTM:	Zone-11 N3651078 E478020			Elevation (ft):	275		
PLSS:	T13S, R03W, Sec. 31, W (S)			Acres:	10.0		
Location:	SAN DIEGUITO COUNTY PARK, EAST OF SOLANA BEACH.						
Detailed Location:	MAPPED AS 6 POLYGONS WITHIN SAN DIEGUITO COUNTY PARK. 5 ADDITIONAL PLANTS ARE LOCATED "AT THE TOP OF LOMAS SANTA FE PAST THE PARK" (M. BEAUCHAMP VIA D. HICKSON, 1996); THIS SITE COULD NOT BE LOCATED AND IS NOT CURRENTLY MAPPED AT CNDDB.						
Ecological:	MUCH OF POPULATION GROWING UNDER A EUCALYPTUS CANOPY; THE REST OCCURS IN COASTAL MIXED CHAPARRAL.						
General:	84-138 PLANTS IN 1980. 84 PLANTS ESTIMATED AS EXTANT ACCORDING TO 1986 AERIAL IMAGERY OF DEVELOPMENT EVALUATED BY ROBERTS. SEEN IN 1992. 5 PLANTS IN A SMALL PORTION OF OCC IN 2005. REPORTED AS EXTANT IN 2010 (USFWS). <1% COVER IN 2013.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	35	Map Index:	31940	EO Index:	1906	Element Last Seen:	2010-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-16
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.12790 / -117.29406			Accuracy:	80 meters		
UTM:	Zone-11 N3665504 E472569			Elevation (ft):	260		
PLSS:	T12S, R04W, Sec. 15, SW (S)			Acres:	0.0		
Location:	SOUTH SIDE OF COLLEGE BLVD, 0.35 MI WEST OF PALOMAR AIRPORT, AND 1 AIR MI SOUTH OF EVANS POINT; CARLSBAD.						
Detailed Location:	JUST SOUTHEAST OF COLLEGE BLVD (NOT ON TOPO), ABOUT 0.5 MI NORTH FROM PALOMAR AIRPORT ROAD.						
Ecological:	W-FACING SLOPE IN LOAMY ALLUVIAL HUERHUERO COMPLEX SOILS. IN CHAPARRAL W/ ELEMENTS OF S MARITIME CHAPARRAL WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, YUCCA SCHIDIGERA, RHUS INTEGRIFOLIA, XYLOCOCCUS BICOLOR, AND QUERCUS BERBERIDIFOLIA.						
General:	6 INDIVIDUALS IN 1992; IT'S LIKELY THAT POPULATION WAS LARGER AND GRADING ELIMINATED A PORTION. UNKNOWN NUMBER OF PLANTS SEEN IN 1998 DURING A SURVEY FOR CALIFORNIA GNATCATCHERS. REPORTED AS EXTANT IN 2010 ACCORDING TO THE USFWS.						
Owner/Manager:	PVT						

Occurrence No.	40	Map Index:	38295	EO Index:	33302	Element Last Seen:	1997-08-15
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1997-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-03
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13442 / -117.23656			Accuracy:	specific area		
UTM:	Zone-11 N3666214 E477934			Elevation (ft):	400		
PLSS:	T12S, R03W, Sec. 18, NW (S)			Acres:	1.0		
Location:	CARLSBAD RACEWAY, NORTH OF DRAG STRIP.						
Detailed Location:	IN THE SE 1/4 OF THE NW 1/4 OF SECTION 18.						
Ecological:	IN OPENING IN DENSE MIXED CHAPARRAL VEGETATION. WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, AND SCATTERED FORBS. OTHER RARE PLANTS NEARBY INCLUDE ADOLPHIA CALIFORNICA AND ISOCOMA MENZIESII DECUMBENS.						
General:	FEWER THAN 5 PLANTS IN 1997.						
Owner/Manager:	PVT						



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Occurrence No.	44	Map Index:	41886	EO Index:	41886	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1999-11-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04577 / -117.23475			Accuracy:	1/5 mile		
UTM:	Zone-11 N3656385 E478082			Elevation (ft):	100		
PLSS:	T13S, R03W, Sec. 18 (S)			Acres:	0.0		
Location:	NEAR WHISPER WIND LANE, ENCINITAS.						
Detailed Location:	SITE MAPPED IN VICINITY OF WHISPER WIND LANE IN THE OLIVENHAIN AREA.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS SITE NAME FROM 'RARE PLANTS OF SAN DIEGO COUNTY' (C. REISER 1994).						
Owner/Manager:	UNKNOWN						
Occurrence No.	45	Map Index:	41883	EO Index:	41883	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-02
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00559 / -117.22874			Accuracy:	specific area		
UTM:	Zone-11 N3651929 E478633			Elevation (ft):	400		
PLSS:	T13S, R03W, Sec. 31, NE (S)			Acres:	10.6		
Location:	EAST OF THE JUNCTION OF EL CAMINO REAL AND EL NIDO, RANCHO SANTA FE.						
Detailed Location:	SINGLE POLYGON MAPPED NEAR WATER TANK ON RIDGETOP.						
Ecological:	GROWING ON RED SANDSTONE.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A MAP PROVIDED BY D. HICKSON IN 1996. ANNOTATIONS FOR THIS SITE ATTRIBUTED TO D. HOGAN; DATE OF FIELDWORK NOT KNOWN.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	58	Map Index:	71096	EO Index:	72003	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-06
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01009 / -117.15971				Accuracy:	specific area	
UTM:	Zone-11 N3652417 E485081				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 26, SE (S)				Acres:	7.0	
Location:	CANYON NORTH OF LUSARDI CREEK, APPROXIMATELY 0.75 AIR MILE NE OF LOW SOUTH SURVEY MARKER, SE RANCHO SANTA FE.						
Detailed Location:	LUSARDI CREEK OPEN SPACE. MAPPED BY CNDDDB AS 2 POLYGONS ALONG CANYON SLOPES ON THE NORTH SIDE OF LUSARDI CREEK IN THE SW 1/4 OF THE SE 1/4 OF SECTION 26. PLANTS ARE REPORTEDLY INTERMEDIATES TO A. GLANDULOSA SSP. ZACAENSIS.						
Ecological:	FLAT ROCKY TERRACE AT TOP OF RIDGE AND ON STEEP ROCKY E-FACING SLOPES OF RAVINE ON LOAMY SAND IN SOUTHERN MARITIME CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, QUERCUS DUMOSA, XYLOCOCCUS BICOLOR AND FRAXINUS DIPETALA. LOAMY SAND.						
General:	SW POLYGON: ABOUT 80 INDIVIDUALS OBSERVED IN 2 COLONIES IN 2001. NE POLYGON: 2 INDIVIDUALS OBSERVED IN 2008. REPORTED AS EXTANT IN 2010 ACCORDING TO USFWS 5 YEAR REVIEW.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	59	Map Index:	B6892	EO Index:	72004	Element Last Seen:	2019-05-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-05-24
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2021-01-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.0514 / -117.27967				Accuracy:	specific area	
UTM:	Zone-11 N3657020 E473890				Elevation (ft):	227	
PLSS:	T13S, R04W, Sec. 10, SE (S)				Acres:	3.0	
Location:	SAN DIEGO BOTANTIC GARDEN; ENCINITAS, NORTH OF ENCINITAS BLVD. ON QUAIL GARDENS DRIVE.						
Detailed Location:	ON THE SE AND NE END OF GARDEN IN FRAGMENTS OF NATURAL VEGETATION. MAPPED AS 2 POLYGONS ACCORDING TO 2019 GURNOE DIGITAL DATA.						
Ecological:	SANDSTONE BLUFFS, MOSTLY EAST FACING. COASTAL SAGE SCRUB AND SOUTHERN MARITIME CHAPARRAL ASSOCIATED WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, HETEROMELES ARBUTIFOLIA, ARTEMISIA CALIFORNICA, AND XYLOCOCCUS BICOLOR.						
General:	IN 1980, 75 INDIVIDUALS PROPAGATED FROM 35 SPECIMENS AND TRANSPLANTED BY GARDEN STAFF. PLANTS ORIGINALLY FROM A DEVELOPMENT PROJECT NEAR "CANTEBERIA RD" IN ENCINITAS. 17 INDIVIDUALS IN 2 POPULATIONS IN 2002. 27 PLANTS IN 2019.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	65	Map Index:	91148	EO Index:	92200	Element Last Seen:	2010-04-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-04-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02443 / -117.16756				Accuracy:	80 meters	
UTM:	Zone-11 N3654007 E484351				Elevation (ft):	150	
PLSS:	T13S, R03W, Sec. 23, SW (S)				Acres:	0.0	
Location:	ADJACENT TO NORTHERN SET OF TRAIL SWITCHBACKS, NORTH OF THE WEST END OF TOP OF THE MORNING WAY, EAST RANCHO SANTA FE.						
Detailed Location:	MAPPED BY CNDDB AS A BEST GUESS AROUND THE NORTHERN SET OF TRAIL SWITCHBACKS WITHIN HABITAT MANAGEMENT AREA 6 AS DESCRIBED IN SOURCE. TRAIL SWITCHBACKS VISIBLE ON AERIAL IMAGERY.						
Ecological:	BURNED DURING 2007 WITCH CREEK FIRE; INDIVIDUALS HAVE STUMP SPROUTED AND APPEARED RELATIVELY HEALTHY IN 2010.						
General:	"SMALL POPULATION" OBSERVED IN 2010.						
Owner/Manager:	SDG COUNTY?						

Occurrence No.	66	Map Index:	91149	EO Index:	92201	Element Last Seen:	2006-11-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-11-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01608 / -117.20754				Accuracy:	specific area	
UTM:	Zone-11 N3653089 E480615				Elevation (ft):	254	
PLSS:	T13S, R03W, Sec. 29, NE (S)				Acres:	4.0	
Location:	APPROXIMATELY 0.2 AIR MILE SSE OF THE JUNCTION OF LINEA DEL CIELO AND MIMOSA PLACE, RANCHO SANTA FE.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS IN THE SOUTH 1/2 OF THE NE 1/4 OF SECTION 29. WESTERN POLYGON IS ON THE "EWING PRESERVE."						
Ecological:	SOUTHERN MARITIME CHAPARRAL ON SANDSTONE SUBSTRATE. OTHER RARE PLANTS AT THIS SITE INCLUDE COMAROSTAPHYLIS DIVERSIFOLIA DIVERSIFOLIA, QUERCUS DUMOSA, ADOLPHIA CALIFORNICA, AND CEANOTHUS VERRUCOSUS.						
General:	11 PLANTS OBSERVED IN 2006.						
Owner/Manager:	PVT						



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Occurrence No.	67	Map Index:	91150	EO Index:	92202	Element Last Seen:	2003-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02049 / -117.27179				Accuracy:	specific area	
UTM:	Zone-11 N3653592 E474615				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 26, NW (S)				Acres:	3.0	
Location:	BETWEEN INTERSTATE 5 AND BULRUSH LANE, APPROXIMATELY 0.8 MILE NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS IN THE NW 1/4 OF THE NW 1/4 OF SECTION 26.						
Ecological:	SOUTHERN MARITIME CHAPARRAL.						
General:	33 PLANTS OBSERVED IN 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	68	Map Index:	91151	EO Index:	92203	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-01-16
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14147 / -117.29872				Accuracy:	specific area	
UTM:	Zone-11 N3667010 E472138				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 09, SE (S)				Acres:	2.0	
Location:	EVANS POINT, KELLY RANCH, SE CARLSBAD.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS IN THE EAST 1/2 OF THE SE 1/4 OF SECTION 9.						
Ecological:	LOCATED IN DENSE HABITAT.						
General:	FEWER THAN 20 PLANTS OBSERVED IN EACH POLYGON IN 2003. COLLECTIONS ALSO MADE IN 2009 AND 2010 FOR ID DETERMINATION; KEELEY CONFIRMED THAT THESE PLANTS WERE SSP. CRASSIFOLIA.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	69	Map Index:	91178	EO Index:	92220	Element Last Seen:	2015-03-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-03-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00631 / -117.24714				Accuracy:	specific area	
UTM:	Zone-11 N3652014 E476915				Elevation (ft):	140	
PLSS:	T13S, R04W, Sec. 36, N (S)				Acres:	2.0	
Location:	BETWEEN SANTA HELENA AND SANTA CAMELIA DRIVE, NORTH OF SANTA VICTORIA, SOUTH OF SAN ELIJO LAGOON.						
Detailed Location:	EASTERN POLYGON IN WITHIN SAN ELIJO LAGOON ECOLOGICAL RESERVE. MAPPED AS 2 POLYGONS ACCORDING TO A 2013 MAP AND 2015 MORSE DIGITAL DATA.						
Ecological:	ASSOCIATED WITH THE RARE CEANOTHUS VERRUCOSUS AND QUERCUS DUMOSA.						
General:	WESTERN POLYGON: PRESUMABLY OBSERVED SOMETIME IN 2008/2009 ACCORDING TO THE 2013 CITY OF SOLANA BEACH LOCAL COASTAL PLAN. EASTERN POLYGON: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015.						
Owner/Manager:	CITY OF SOLANA BEACH, SDG CO						



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Occurrence No.	70	Map Index:	91179	EO Index:	92229	Element Last Seen:	2015-02-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-02-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00399 / -117.26004				Accuracy:	specific area	
UTM:	Zone-11 N3651760 E475709				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 35, NE (S)				Acres:	3.0	
Location:	JUST SOUTH OF WHERE INTERSTATE 5 CROSSES SAN ELIJO LAGOON.						
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS ACCORDING TO A MAP IN THE 2013 CITY OF SOLANA BEACH LOCAL COASTAL PLAN, 2012 VARNER COORDINATES, AND 2015 MORSE DIGITAL DATA.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. ALSO ASSOCIATED WITH THE RARE CEANOTHUS VERRUCOSUS AND QUERCUS DUMOSA.						
General:	PRESUMABLY OBSERVED SOMETIME IN 2008/2009. NORTHERN POLYGON: 1 PLANT OBSERVED IN 2012, UNKNOWN NUMBER OBSERVED IN 2015. A 1991 WELKER COLLECTION FROM "SAN ELIJO LAGOON ER; BLUFF NORTH OF THE END OF SOLANA HILLS DR" ATTRIBUTED HERE.						
Owner/Manager:	SDG COUNTY, CDFG						

Arctostaphylos rainbowensis				Element Code: PDERI042T0			
Rainbow manzanita							
Listing Status:	Federal:	None	CNDDDB Element Ranks:		Global:	G2	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive					
Habitat:	General:	CHAPARRAL.					
	Micro:	USUALLY FOUND IN GABBRO CHAPARRAL. 100-870 M.					

Occurrence No.	29	Map Index:	49266	EO Index:	49266	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-14
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.27406 / -117.04453				Accuracy:	2/5 mile	
UTM:	Zone-11 N3681670 E495852				Elevation (ft):		
PLSS:	T10S, R02W, Sec. 25 (S)				Acres:	0.0	
Location:	EAST OF KEYS CREEK, WEST OF MOUNTAIN VIEW LANE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BETWEEN KEYS CREEK (SOUTH OF WHERE IT FORKS) AND MOUNTAIN VIEW LANE.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1994 RARE PLANTS OF SAN DIEGO COUNTY BY REISER. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	30	Map Index:	A0604	EO Index:	49267	Element Last Seen:	2007-08-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-08-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-16
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.17133 / -117.11561				Accuracy:	80 meters	
UTM:	Zone-11 N3670287 E489221				Elevation (ft):	1247	
PLSS:	T11S, R02W, Sec. 32, SW (S)				Acres:	5.0	
Location:	0.3 AIR MILES SW OF THE I-15 OVERPASS AT MESA ROCK ROAD, JUST NORTH OF ESCONDIDO, AT SOUTHERN END OF MERRIAM MOUNTAINS.						
Detailed Location:	NEAR A DIRT ROAD. MAPPED ACCORDING TO 2007 GUILLIAMS COORDINATES, IN THE SW 1/4 OF THE SW 1/4 OF SECTION 32.						
Ecological:	DENSE, SOMEWHAT LOW GROWING CHAPARRAL WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, XYLOCOCCUS BICOLOR, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, AND CEANOTHUS SP. EAST-FACING SLOPE.						
General:	APPROXIMATELY 25 PLANTS OBSERVED IN 1989 AND APPROXIMATELY 10 SEEN IN 2007.						
Owner/Manager:	PVT						

Occurrence No.	34	Map Index:	73150	EO Index:	74082	Element Last Seen:	2009-06-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-09
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34947 / -117.03529				Accuracy:	80 meters	
UTM:	Zone-11 N3690031 E496716				Elevation (ft):	660	
PLSS:	T09S, R02W, Sec. 36, SE (S)				Acres:	5.0	
Location:	WILDERNESS GARDENS PRESERVE, SOUTH OF HWY 76 AND THE SAN LUIS REY RIVER, NE TOE OF PALA MOUNTAIN.						
Detailed Location:	ALONG TRAIL ON FIRST MAJOR BENCH ABOVE FLOOD PLAIN. MAPPED BY CNDDDB ACCORDING TO 2009 VEGETATION SURVEY COORDINATES. PREVIOUSLY MAPPED BY CNDDDB USING LESS PRECISE 2007 GUILLIAMS COORDINATES JUST SE OF CURRENTLY MAPPED SITE.						
Ecological:	DENSE CHAPARRAL OF CEANOTHUS CRASSIFOLIUS AND QUERCUS SP.						
General:	A. RAINBOWENSIS WAS DESCRIBED AS OCCASIONAL AT THIS SITE IN 2007. <1% COVER OF THIS SPECIES OBSERVED DURING VEGETATION SURVEYS IN 2009. A 1997 BANKS COLLECTION FROM "WILDERNESS GARDENS PRESERVE...SECTION 31" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	41	Map Index:	73162	EO Index:	74094	Element Last Seen:	1985-10-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1985-10-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2008-12-17		
Quad Summary:	Pala (3311731), Pechanga (3311741)						
County Summary:	San Diego						
Lat/Long:	33.37833 / -117.08246			Accuracy:	non-specific area		
UTM:	Zone-11 N3693233 E492329			Elevation (ft):			
PLSS:	T09S, R02W, Sec. 22 (S)			Acres:	67.0		
Location:	1 MILE NORTH OF PALA, ALONG PALA-TEMECULA ROAD.						
Detailed Location:	MAPPED GENERALLY ABOUT 1 MILE NORTH OF PALA; VAGUE COLLECTION IS ONLY SOURCE.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1985 COLLECTION BY REISER.						
Owner/Manager:	BIA-PECHANGA RES						

Occurrence No.	64	Map Index:	A0450	EO Index:	102010	Element Last Seen:	2013-04-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2013-04-24		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-06-13		
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.33994 / -117.36575			Accuracy:	80 meters		
UTM:	Zone-11 N3689033 E465965			Elevation (ft):	395		
PLSS:	T10S, R05W, Sec. 2, NE (S)			Acres:	5.0		
Location:	CAMP PENDLETON; OFF OF A DIRT ROAD WEST OF BASILONE ROAD, NORTH OF A SMALL POND ABOUT 2.5 AIR MILES WNW OF O'NEILL LAKE.						
Detailed Location:	TRAINING AREA KILO ONE. MAPPED ACORDING TO 2013 REBMAN COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 2.						
Ecological:	ON A NW-FACING SLOPE ABOVE THE BOTTOM OF A CANYON.						
General:	APPROXIMATELY 20 PLANTS OBSERVED IN 2013.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Comarostaphylis diversifolia ssp. diversifolia			Element Code: PDERI0B011		
summer holly					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G3T2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank			
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND.			
	Micro:	OFTEN IN MIXED CHAPARRAL IN CALIFORNIA, SOMETIMES POST-BURN. 30-855 M.			



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Occurrence No.	2	Map Index:	36611	EO Index:	20106	Element Last Seen:	1983-08-11
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1983-08-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13361 / -117.21914				Accuracy:	non-specific area	
UTM:	Zone-11 N3666120 E479559				Elevation (ft):	480	
PLSS:	T12S, R03W, Sec. 17, NW (S)				Acres:	29.4	
Location:	ON NORTH SIDE OF ENCINITAS ROAD WEST OF JUNCTION WITH RANCHO SANTE FE ROAD, SAN MARCOS.						
Detailed Location:	MAPPED WITHIN GIVEN SE 1/4 OF NW 1/4 OF SECTION 17. FEATURE IS WITHIN 0.25 MI OF CNDDDB EO #66, THOUGH THESE ARE KEPT AS SEPARATE OCCURRENCES AS PER A 2004 SCHEIDT EMAIL.						
Ecological:	IN QUERCUS CHAPARRAL WITH ADENOSTOMA FASCICULATUM AND HETEROMELES ARBUTIFOLIA.						
General:	FEWER THAN 1000 PLANTS OBSERVED IN 1983. POSSIBLY LOST TO DEVELOPMENT, AS PER 2004 COMMUNICATION WITH SCHEIDT.						
Owner/Manager:	PVT						

Occurrence No.	3	Map Index:	03831	EO Index:	20107	Element Last Seen:	1995-05-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-01-28
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.23044 / -117.15595				Accuracy:	non-specific area	
UTM:	Zone-11 N3676844 E485469				Elevation (ft):	1125	
PLSS:	T11S, R03W, Sec. 12 (S)				Acres:	2005.0	
Location:	BETWEEN SOUTH FORK MOOSA CANYON AND SOUTH FORK GOPHER CANYON, NORTH OF ESCONDIDO.						
Detailed Location:	NORTHERN POLYGON MAPPED FROM SPECIFIC DATA, ON NARROW STRIP OF VEGETATION BETWEEN I-15 AND CHAMPAGNE BLVD. SOUTHERN POLYGON MAPPED FROM NON-SPECIFIC DATA "ACROSS I-15 FROM LAWRENCE WELK TRAILER PARK. SECTION 11, 12, & 13."						
Ecological:	IN CHAPARRAL. SOUTHERN OAK WOODLAND NEAR NORTHERN POLYGON. WITH XYLOCOCCUS BICOLOR, ADENOSTOMA FASCICULATUM, CEANOTHUS TOMENTOSUS OLIVACEUS, QUERCUS DUMOSA, AND MALOSMA LAURINA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN SOUTHERN POLYGON IN 1981. 6 PLANTS OBSERVED IN NORTHERN POLYGON IN 1995. SOUTHERN POLYGON NEEDS FIELDWORK. INCLUDES FORMER OCCURRENCE #40.						
Owner/Manager:	PVT						



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Occurrence No.	6	Map Index:	04073	EO Index:	20104	Element Last Seen:	1983-04-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04252 / -117.11368				Accuracy:	80 meters	
UTM:	Zone-11 N3656006 E489385				Elevation (ft):	700	
PLSS:	T13S, R02W, Sec. 17, SW (S)				Acres:	0.0	
Location:	WEST OF RANCHO BERNARDO ON SLOPE OF CANYON TRIBUTARY TO LAKE HODGES, ABOUT 2.5 MI NNW OF I-15 AT RANCHO BERNARDO RD.						
Detailed Location:							
Ecological:	OPEN POST-BURN CHAPARRAL. ASSOCIATES INCLUDE LOTUS SCOPARIUS, SALVIA MELLIFERA, MALACOTHAMNUS FASCICULATUS. ON SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM.						
General:	1 PLANT OBSERVED IN 1983.						
Owner/Manager:	PVT						

Occurrence No.	11	Map Index:	03785	EO Index:	20100	Element Last Seen:	2006-11-30
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2006-11-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01603 / -117.20722				Accuracy:	specific area	
UTM:	Zone-11 N3653083 E480645				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 29, NE (S)				Acres:	3.0	
Location:	PRIVATE RESIDENCE NEAR EWING PRESERVE, ~0.2 AIR MI SE OF INTERSECTION OF MIMOSA PL AND LINEA DEL CIELO, RANCHO SANTA FE.						
Detailed Location:	7 SITES MAPPED BY CNDDDB AS 2 POLYGONS IN THE SE 1/4 OF THE NE 1/4 OF SECTION 29 ACCORDING TO A 2006 MAP PROVIDED BY JENSEN.						
Ecological:	SOUTHERN MARITIME CHAPARRAL ON SANDSTONE SUBSTRATE. ASSOCIATED WITH XYLOCOCCUS BICOLOR, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, LONICERA SUBSPICATA DENUDATA, HETEROMELES, QUERCUS DUMOSA, RHUS, POLYPODIUM, ADOLPHIA CALIFORNICA, ETC.						
General:	2 PLANTS SEEN IN W POLY AND 10 PLANTS IN E POLY IN 2006. COLLECTIONS FROM RANCHO SANTA FE FROM 1929, 1930, AND 1963 ATTRIB HERE. 1975 WALLACE COLLECTIONS FROM "NEAR HOME OF MR. FLEET AND A NATURE PRESERVE, SEC 28" ALSO ATTRIBUTED HERE.						
Owner/Manager:	PVT						



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Occurrence No.	12	Map Index:	17511	EO Index:	20101	Element Last Seen:	1985-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1985-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-19
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05617 / -117.18996				Accuracy:	non-specific area	
UTM:	Zone-11 N3657530 E482266				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 09, S (S)				Acres:	498.8	
Location:	ESCONDIDO CREEK ABOUT 1 MILE NORTH OF SAN DIEGUITO RESERVOIR, NORTH OF RANCHO SANTA FE.						
Detailed Location:	ON STEEP NORTH-FACING SLOPE BETWEEN 180'-200' ELEVATION. EXACT LOCATION NOT KNOWN. SITE MAPPED AT CNDDDB BASED UPON THE FOLLOWING PROJECT AREA: SW 1/4 SEC 10; SE 1/4 SEC 9; AND SE 1/4 SW 1/4, NE 1/4 SW 1/4, S 1/2 NW 1/4 SEC 9.						
Ecological:	CHAPARRAL.						
General:	MORE THAN 50 PLANTS OBSERVED IN 1985.						
Owner/Manager:	PVT						

Occurrence No.	23	Map Index:	38014	EO Index:	33021	Element Last Seen:	2013-12-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10993 / -117.17324				Accuracy:	80 meters	
UTM:	Zone-11 N3663487 E483837				Elevation (ft):	1345	
PLSS:	T12S, R03W, Sec. 22, SE (S)				Acres:	5.0	
Location:	NORTHEAST SLOPE OF DOUBLE PEAK, SOUTH OF SAN MARCOS.						
Detailed Location:	MAPPED ACCORDING TO 2013 VEGETATION SURVEY COORDINATES, IN THE FAR SE 1/4 OF SECTION 22.						
Ecological:	ASSOCIATED WITH ADENOSTOMA FASCICULATUM, CEANOTHUS VERRUCOSUS, SALVIA MELLIFERA, XYLOCOCCUS BICOLOR, CERCOCARPUS MINUTIFLORUS, MALOSMA LAURINA, RHUS INTEGRIFOLIA, AGROSTIS PALLENS, AND HETEROMELES ARBUTIFOLIA.						
General:	LESS THAN 1% COVER OF COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA OBSERVED IN 2013. AT LEAST 1000 PLANTS REPORTED FROM THE NORTH SLOPES OF DOUBLE PEAK ACCORDING TO C. REISER IN "RARE PLANTS OF SAN DIEGO COUNTY" (1994).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	24	Map Index:	38015	EO Index:	33022	Element Last Seen:	2013-11-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-11-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10857 / -117.16588			Accuracy:	specific area		
UTM:	Zone-11 N3663335 E484523			Elevation (ft):	1100		
PLSS:	T12S, R03W, Sec. 26, N (S)			Acres:	11.0		
Location:	WEST SIDE OF FRANKS PEAK AND SOUTH OF SOUTH LAKE, WEST OF MT. WHITNEY, SOUTH OF SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS ACCORDING TO 2003 ELVIN COORDINATES, 2013 DUDEK AND ASSOCIATES MAP, AND 2013 VEGETATION SURVEY COORDINATES. 1990 UNITT COLLECTION FROM "NEAR FRANKS PEAK, SOUTH OF SAN MARCOS" ATTRIBUTED TO THIS OCCURRENCE.						
Ecological:	NORTH-FACING SLOPE, SANDY AND ROCKY. MIXED CHAPARRAL WITH CEANOTHUS VERRUCOSUS, ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA, XYLOCOCCUS BICOLOR, AND HELIANTHEMUM SCOPARIUM.						
General:	N POLYGON: "UNCOMMON" IN 2003. TWO S POLYGONS: 13 PLANTS IN 2013. W POLYGON: 3% COVER OF COMAROSTAPHYLIS DIVERSIFOLIA IN 2013. HEALTHY POPULATION OF SHRUBS REPORTED AT MT. WHITNEY ACCORDING TO C. REISER IN 1994.						
Owner/Manager:	PVT						

Occurrence No.	25	Map Index:	38023	EO Index:	33030	Element Last Seen:	2010-09-04
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2010-09-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08462 / -117.13913			Accuracy:	specific area		
UTM:	Zone-11 N3660677 E487015			Elevation (ft):	1000		
PLSS:	T12S, R02W, Sec. 31, SW (S)			Acres:	20.0		
Location:	DEL DIOS HIGHLANDS PRESERVE & ELFIN FOREST RES; S SIDE OF SAN ELIJO CYN ~1 MI SSW OF HARMONY GROVE, W OF LAKE HODGES.						
Detailed Location:	MAPPED BY CNDDB AS 13 POLYGONS ACCORDING TO 2008 REBMAN AND MULLIGAN COORDINATES, 2013 SAN DIEGO COUNTY DIGITAL DATA, AND MORSE DIGITAL DATA.						
Ecological:	IN DENSE STEEP SOUTHERN MIXED CHAPARRAL WITH CEANOTHUS VERRUCOSUS, XYLOCOCCUS BICOLOR, ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA GLANDULOSA, CNEORIDIUM DUMOSUM, MALOSMA LAURINA, ETC. CIENEBA SERIES SOILS, ROCKY SANDY LOAM.						
General:	POPULATION NUMBERS ARE FOR PORTIONS OF OCCURRENCE: FEWER THAN 50 PLANTS OBSERVED IN 1990, 113 IN 2008, 19+ IN 2010.						
Owner/Manager:	SDG COUNTY, OLIVENHAIN MWD						



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Occurrence No.	26	Map Index:	38024	EO Index:	33031	Element Last Seen:	1990-11-03
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1990-11-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05177 / -117.23476				Accuracy:	specific area	
UTM:	Zone-11 N3657050 E478082				Elevation (ft):	130	
PLSS:	T13S, R03W, Sec. 07 (S)				Acres:	11.1	
Location:	WEST OF RANCHO SANTA FE ROAD BETWEEN 10TH STREET AND 11TH STREET, OLIVENHAIN.						
Detailed Location:	TWO COLONIES OBSERVED IN THIS VICINITY.						
Ecological:	NE COLONY WITH ONE PLANT UNDERNEATH TORREY PINE ON FLAT GROUND IN DISTURBED SITE. SW COLONY WITH 2 PLANTS BELOW GROVE OF EUCALYPTUS TREES ON HIGHLY DISTURBED SITE.						
General:	THREE PLANTS OBSERVED IN 1989-1990.						
Owner/Manager:	PVT						

Occurrence No.	27	Map Index:	B0747	EO Index:	33032	Element Last Seen:	2013-12-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2018-09-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09149 / -117.21357				Accuracy:	specific area	
UTM:	Zone-11 N3661450 E480070				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 32, NE (S)				Acres:	15.0	
Location:	ABOUT 0.7 MILE EAST OF RANCHO SANTA FE ROAD AND 0.4 MILE SOUTH OF QUESTHAVEN ROAD, SOUTH OF SAN MARCOS.						
Detailed Location:	UNIVERSITY COMMONS SITE. MAPPED AS 8 POLYGONS ALONG NORTH-FACING SLOPES JUST EAST OF CARLSBAD CORPORATE BOUNDARY BASED ON A 1991 ERC MAP, 2008 CNLM DIGITAL DATA, AND 2013 VEGETATION SURVEY COORDINATES.						
Ecological:	GROWING IN SOUTHERN MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, XYLOCOCCUS BICOLOR, CEANOTHUS VERRUCOSUS, QUERCUS DUMOSA (BERBERIDIFOLIA?), SALVIA MELLIFERA, S. APIANA, AND MIMULUS PUNICEUS.						
General:	SEEN IN 1990. 10 INDIVIDUALS SEEN IN W-MOST POLYGON IN 2003. LESS THAN 1% COVER OF COMAROSTAPHYLIS DIVERSIFOLIA OBSERVED IN SE-MOST POLYGON IN 2013.						
Owner/Manager:	PVT, CNLM						



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Occurrence No.	28	Map Index:	38026	EO Index:	33033	Element Last Seen:	1990-07-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2015-06-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11475 / -117.24492				Accuracy:	specific area	
UTM:	Zone-11 N3664035 E477149				Elevation (ft):	400	
PLSS:	T12S, R04W, Sec. 24, SE (S)				Acres:	13.0	
Location:	CARILLO RANCH, ABOUT 1.4 MILES NORTHWEST OF RANCHO SANTA FE ROAD AT SAN MARCO CREEK, CARLSBAD.						
Detailed Location:	MAPPED BY CNDDB AS 6 POLYGONS MOSTLY WITHIN THE NE 1/4 OF THE SE 1/4 SECTION 24 AND THE NW 1/4 OF THE SW 1/4 SECTION 19.						
Ecological:	GROWING IN SOUTHERN MIXED CHAPARRAL AND DIEGAN COASTAL SAGE SCRUB.						
General:	30+ PLANTS OBSERVED IN 1990.						
Owner/Manager:	PVT						

Occurrence No.	29	Map Index:	38027	EO Index:	33034	Element Last Seen:	1989-08-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1989-08-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05455 / -117.26773				Accuracy:	80 meters	
UTM:	Zone-11 N3657366 E475005				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 11, SW (S)				Acres:	0.0	
Location:	WEST OF TRAILER PARK ABOUT 0.6 MILE NORTH OF ENCINITAS BLVD AND 0.4 MILE WEST OF EL CAMINO REAL, ENCINITAS.						
Detailed Location:	NORTH OF NORTH END SEEMAN DRIVE ON STEEP ERODED CLIFFS UPSLOPE TO THE WEST; MOBILE HOME PARK IN DOWNSLOPE TO THE EAST. MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 11.						
Ecological:	UNDISTURBED CHAMISE CHAPARRAL WITH BACCHARIS VANESSAE, CEANOTHUS VERRUCOSUS, AND ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA. DEMDROMECON RIGIDA ALSO AT THIS SITE.						
General:	COMAROSTAPHYLIS NOTED AS ASSOCIATE IN 1989 SURVEY FOR BACCHARIS VANESSAE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	30	Map Index:	38028	EO Index:	33035	Element Last Seen:	1989-08-02
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1989-08-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11462 / -117.29357				Accuracy:	specific area	
UTM:	Zone-11 N3664032 E472611				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 22, SW (S)				Acres:	11.6	
Location:	UPPER SLOPES OF CANYON ON SOUTH SIDE OF CANYON DE LAS ENCINAS, ABOUT 1.4 MILES EAST OF I-5, CARLSBAD.						
Detailed Location:	MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 SECTION 22.						
Ecological:	SOUTHERN MIXED CHAPARRAL WITH CEANOTHUS VERRUCOSUS, QUERCUS DUMOSA, ADENOSTOMA FASCICULATUM, AND HETEROMELES ARBUTIFOLIA.						
General:	10+ PLANTS OBSERVED IN 1989.						
Owner/Manager:	PVT						

Occurrence No.	31	Map Index:	38029	EO Index:	33036	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07569 / -117.26245				Accuracy:	80 meters	
UTM:	Zone-11 N3659708 E475503				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 02, NE (S)				Acres:	0.0	
Location:	EAST SIDE OF EL CAMINO REAL ABOUT 0.5 MILE NORTH OF OLIVENHAIN ROAD, CARLSBAD.						
Detailed Location:	JUST WEST OF ROAD ALONG TOE OF S-FACING SLOPE. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 2.						
Ecological:	IN COAST MIXED CHAPARRAL WITH ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, QUERCUS BERBERIDIFOLIA, HETEROMELES ARBUTIFOLIA, AND CEANOTHUS VERRUCOSUS.						
General:	ONE COLONY REPORTED IN THE EARLY 1990'S.						
Owner/Manager:	PVT						



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Occurrence No.	32	Map Index:	38030	EO Index:	33037	Element Last Seen:	2015-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07077 / -117.27142				Accuracy:	specific area	
UTM:	Zone-11 N3659165 E474665				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 2, W (S)				Acres:	22.0	
Location:	SLOPE ABOVE GREEN VALLEY ON W SIDE, FROM 0.4 MILE NORTH TO 0.15 MILE SOUTH OF LEUCADIA BLVD, CARLSBAD.						
Detailed Location:	5 POLYGONS MAPPED ACCORDING TO A 1992 MESSINA MAP, 2013 VEGETATION SURVEY COORDINATES, AND 2015 MORSE COORDINATES. IN THE WEST 1/2 OF SECTION 2.						
Ecological:	SOUTHERN MARITIME CHAPARRAL ON ROUGH, BROKEN LAND. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIUS, CEANOTHUS VERRUCOSUS, CNEORIDIUM DUMOSUM, CORETHROGYNE FILAGINIFOLIA LINIFOLIA, AND BACCHARIS VANESSAE.						
General:	OBSERVED DURING A 1989 SURVEY FOR BACCHARIS VANESSAE. 1% COVER OF COMAROSTAPHYLIS DIVERSIFOLIA SEEN IN MIDDLE POLYGON IN 2013. SEEN IN N-MOST AND S-MOST POLYGONS IN 2015. INCLUDES FORMER OCCURRENCE #33.						
Owner/Manager:	PVT, CNLM						

Occurrence No.	34	Map Index:	38032	EO Index:	33039	Element Last Seen:	2013-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-24
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11175 / -117.27492				Accuracy:	specific area	
UTM:	Zone-11 N3663709 E474350				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 23 (S)				Acres:	168.0	
Location:	BOTH SIDES OF EL CAMINO REAL NORTH OF BATIQUITOS LAGOON AND SOUTH OF PALOMAR AIRPORT ROAD, CARLSBAD.						
Detailed Location:	MAPPED BY CNDDB AS 14 POLYGONS ALONG EITHER SIDE OF EL CAMINO REAL IN SECTIONS 22, 23, 26 AND 27.						
Ecological:	CHAPARRAL. ASSOCIATED WITH QUERCUS DUMOSA, CEANOTHUS VERRUCOSUS, HETEROMELES ARBUTIFOLIA, SALVIA MELLIFERA, ERIOGONUM FASCICULATUM, BACCHARIS PILULARIS, MARAH, YUCCA SCHIDIGERA, MALOSMA LAURINA, CARPOBROTUS EDULIS, SALSOLA TRAGUS, ETC.						
General:	POPULATION INFO FOR PORTIONS OF OCCURRENCE: 1992 MAP DETAIL BY DUDEK AND ASSOCIATES IS MAIN SOURCE OF INFO FOR W HALF OF SITE, 500 PLANTS EST IN 2003, <254 PLANTS IN 2008. SEEN IN 2010 AND 2013. INCLUDES FORMER EOS #35, #36, AND #37.						
Owner/Manager:	PVT, CNLM, ETC						



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Occurrence No.	38	Map Index:	78076	EO Index:	33043	Element Last Seen:	2017-04-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-04-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-24
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13776 / -117.26242			Accuracy:	specific area		
UTM:	Zone-11 N3666589 E475524			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 14, NE (S)			Acres:	82.0		
Location:	BETWEEN 0.1 AND 1.2 AIR MILE NNE OF INTERSECTION OF PALOMAR AIRPORT ROAD AND EL CAMINO REAL, CARLSBAD.						
Detailed Location:	SEVERAL POLYGONS MAPPED IN THE VICINITY OF THE COMMON CORNER OF SECTIONS 11-14, BASED ON A 1997 MAP FROM MESSINA, 2008 CNLM DIGITAL DATA, 2013 VEG SURVEY COORDINATES, 2015 MORSE COORDINATES, AND 2017 MULLIGAN COORDINATES.						
Ecological:	IN CHAPARRAL & OAK WOODLAND. WITH QUERCUS DUMOSA, ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, XYLOCOCCUS BICOLOR, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, & ADOLPHIA CALIFORNICA. HUERHUERO LOAM, ALTAMONT CLAY, & CIENEBA SANDY LOAM SOILS.						
General:	POP #S FOR PORTIONS OF OCC: 1000 PLANTS SEEN IN 1997, 123 IN 2000, 727 IN 2007. SEEN IN 2013, 2015, AND 2017. 1993 KEELEY COLLECTION FROM "NE OF INTERSECTION BETW EL CAMINO REAL AND PALOMAR AIRPORT RD" ATTRIBUTED HERE.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	39	Map Index:	96374	EO Index:	33044	Element Last Seen:	2013-10-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-10-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-20
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13690 / -117.29309			Accuracy:	specific area		
UTM:	Zone-11 N3666502 E472662			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 15, NW (S)			Acres:	21.0		
Location:	SOUTHEAST OF EVANS POINT AND NORTH OF PALOMAR AIRPORT, CARLSBAD.						
Detailed Location:	SOUTH SIDE OF FARADAY AVENUE, WEST OF ITS JUNCTION WITH COLLEGE BLVD.						
Ecological:	SOUTHERN MARITIME CHAPARRAL WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, QUERCUS DUMOSA, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, ETC.						
General:	7 PLANTS OBSERVED IN 1995. 10% COVER OF COMAROSTAPHYLIS OBSERVED IN 2009. 125 PLANTS OBSERVED AT "RESEARCH CENTER SITE" IN 2010. 2% COVER OF COMAROSTAPHYLIS OBSERVED IN 2013.						
Owner/Manager:	PVT, CITY OF CARLSBAD						



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Occurrence No.	41	Map Index:	38039	EO Index:	33046	Element Last Seen:	1990-07-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-16
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.12614 / -117.23193				Accuracy:	specific area	
UTM:	Zone-11 N3665295 E478364				Elevation (ft):	350	
PLSS:	T12S, R03W, Sec. 18, SE (S)				Acres:	1.0	
Location:	ABOUT 0.3 MILE SOUTH OF PALOMAR AIRPORT ROAD AT THE CARLSBAD RACEWAY, JUST WEST OF SAN MARCOS, CARLSBAD.						
Detailed Location:	SINGLE COLONY MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 18.						
Ecological:	SOUTHERN MIXED CHAPARRAL/DIEGAN COASTAL SAGE SCRUB. THE RARE ADOLPHIA CALIFORNICA AND JUNCUS ACUTUS ALSO OCCUR NEARBY.						
General:	30+ PLANTS OBSERVED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCE #28 TO THE SW.						
Owner/Manager:	PVT						

Occurrence No.	42	Map Index:	13145	EO Index:	33047	Element Last Seen:	1988-04-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1988-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-28
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.17063 / -117.13290				Accuracy:	specific area	
UTM:	Zone-11 N3670211 E487608				Elevation (ft):	1200	
PLSS:	T11S, R02W, Sec. 31, SW (S)				Acres:	6.3	
Location:	SOUTH END OF THE MERRIAM MOUNTAINS ABOUT 1.6 MILES EAST OF TWIN OAKS ROAD AT VISTA CANAL CROSSING, NORTH OF SAN MARCOS.						
Detailed Location:	ON RIDGETOP EAST OF TWIN OAKS VALLEY.						
Ecological:	CHAPARRAL.						
General:	UNKNOWN NUMBER OF PLANTS AT THIS SITE SEEN DURING 1988 SURVEY FOR ACANTHOMINTHA ILLICIFOLIA. NEEDS FIELDWORK.						
Owner/Manager:	PVT						



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Occurrence No.	43	Map Index:	B0748	EO Index:	33048	Element Last Seen:	2007-08-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-08-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-20
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.17056 / -117.11611				Accuracy:	80 meters	
UTM:	Zone-11 N3670202 E489174				Elevation (ft):	1370	
PLSS:	T11S, R02W, Sec. 32, SW (S)				Acres:	5.0	
Location:	SOUTHEAST END OF THE MERRIAM MOUNTAINS, NORTHEAST OF I-15 AT VISTA CANAL CROSSING, JUST NORTH OF ESCONDIDO.						
Detailed Location:	ON ROCKY SUMMIT. AT HIGH POINT NEXT TO ROCK FORMATION 'BEAR AND CUB.' MAPPED ACCORDING TO 2007 GUILLIAMS COORDINATES.						
Ecological:	AREA IMMEDIATELY SURROUNDED BY HEAVILY DISTURBED SHRUBS, BUT SURROUNDING AREA OF DENSE, SOMEWHAT LOW-GROWING CHAPARRAL TO ~1.5M. SPECIES INCLUDE ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, XYLOCOCCUS BICOLOR, CEANOTHUS SP., ETC.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED DURING A 1989 SURVEY FOR ARCTOSTAPHYLOS RAINBOWENSIS. SEEN BY GUILLIAMS IN 2007.						
Owner/Manager:	PVT						

Occurrence No.	44	Map Index:	38016	EO Index:	33023	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.18854 / -117.07719				Accuracy:	3/5 mile	
UTM:	Zone-11 N3672191 E492804				Elevation (ft):	1300	
PLSS:	T11S, R02W, Sec. 27 (S)				Acres:	0.0	
Location:	EAST OF KAYWOOD DRIVE IN ESCONDIDO.						
Detailed Location:	MAPPED SOUTHWEST OF BURNT MOUNTAIN AT NORTH END OF ESCONDIDO.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS "RARE PLANTS OF SAN DIEGO COUNTY" BY C. REISER (1994).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	45	Map Index:	38017	EO Index:	33024	Element Last Seen:	1996-10-01
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1996-10-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-16
Quad Summary:	Valley Center (3311721), San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.23857 / -117.12732			Accuracy:	specific area		
UTM:	Zone-11 N3677743 E488138			Elevation (ft):	1500		
PLSS:	T11S, R02W, Sec. 07, NE (S)			Acres:	7.0		
Location:	1 AIR MILE NORTHEAST OF GOLF COURSE IN SOUTH FORK MOOSA CANYON, APPROXIMATELY 8 MILES NNW OF ESCONDIDO.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS BASED ON SAN DIEGO COUNTY DIGITAL DATA, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 7.						
Ecological:	SOUTHEN MIXED CHAPARRAL: ADENOSTOMA FASCICULATUM, CEANOTHUS, CERCOCARPUS MINUTIFOLIA, XYLOCOCCUS BICOLOR, QUERCUS BERBERIDIFOLIA, ET AL. BLUE-GREY GNATCATCHER PRESENT.						
General:	INITIAL SITE INFO: 1994 CITATION "IN HIDDEN MEADOWS" FROM REISER'S "RARE PLANTS OF SAN DIEGO COUNTY." "WEST OF MOUNTAIN MEADOW ROAD & S OF MEADOW LANE IN HIDDEN MEADOWS" PER REISER ATTRIBUTED TO SITE. 50+ PLANTS OBS IN 1996 FIELD SURVEY.						
Owner/Manager:	PVT						

Occurrence No.	46	Map Index:	38018	EO Index:	33025	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-02-03
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.21431 / -117.07852			Accuracy:	3/5 mile		
UTM:	Zone-11 N3675048 E492682			Elevation (ft):	1400		
PLSS:	T11S, R02W, Sec. 15, S (S)			Acres:	0.0		
Location:	SOUTH OF TURNER RESERVOIR NEAR MOOSA CANYON, NORTH OF ESCONDIDO.						
Detailed Location:	MAPPED SOUTH OF RESERVOIR AT THE HEAD OF MOOSA CANYON, BETWEEN OAT HILLS AND BURNT PEAK.						
Ecological:	GROWING ON NORTH-FACING SLOPES.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS "RARE PLANTS OF SAN DIEGO COUNTY" BY C. REISER (1994).						
Owner/Manager:	UNKNOWN						



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Occurrence No.	53	Map Index:	58568	EO Index:	54088	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-08-08
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	32.99869 / -117.23314				Accuracy:	1/5 mile	
UTM:	Zone-11 N3651166 E478220				Elevation (ft):		
PLSS:	T13S, R03W, Sec. 31, W (S)				Acres:	0.0	
Location:	NORTH OF LOMAS SANTA FE DRIVE IN EASTERN PORTIONS OF SAN DIEGUITO COUNTY PARK.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED IN VICINITY OF SAN DIEGUITO COUNTY PARK.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS LOCATION IS CITATION BY REISER IN "RARE PLANTS OF SAN DIEGO COUNTY". NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	56	Map Index:	31983	EO Index:	54107	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00837 / -117.23271				Accuracy:	1/5 mile	
UTM:	Zone-11 N3652238 E478263				Elevation (ft):		
PLSS:	T13S, R03W, Sec. 30, SW (S)				Acres:	0.0	
Location:	EAST OF EL NIDO ROAD, RANCHO SANTA FE.						
Detailed Location:	EXACT LOCATION UNKNOWN, ON SLOPES EAST OF EL NIDO ROAD.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS LOCATION IS CITATION BY REISER IN "RARE PLANTS OF SAN DIEGO COUNTY". NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	61	Map Index:	54119	EO Index:	54119	Element Last Seen:	2000-05-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06117 / -117.17133				Accuracy:	specific area	
UTM:	Zone-11 N3658081 E484005				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 10, NE (S)				Acres:	4.5	
Location:	ESCONDIDO CREEK, NORTHEAST OF RANCHO SANTE FE, APPROXIMATELY 2.0 AIR MILES NORTHEAST OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	THREE SMALL COLONIES MAPPED JUST SOUTH AND EAST OF MAIN ESCONDIDO CREEK CHANNEL IN THE SE 1/4 OF THE NE 1/4 OF SECTION 10 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 11.						
Ecological:	OAK WOODLAND, QUERCUS AGRIFOLIA, TOXICODENDRON DIVERSILOBUM.						
General:	WESTERN COLONIES FROM 2002 GNATCATCHER SURVEY WHICH CITED "COMAROSTAPHYLOS DIVERSIFOLIA". FIELDWORK NEEDED TO CONFIRM SUBSPECIES DIVERSIFOLIA. EASTERN COLONY FROM 2000 SURVEY WHERE 19 INDIVIDUALS WERE PRESENT.						
Owner/Manager:	PVT						

Occurrence No.	62	Map Index:	54128	EO Index:	54128	Element Last Seen:	2014-08-14
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2014-08-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-16
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03011 / -117.25791				Accuracy:	specific area	
UTM:	Zone-11 N3654654 E475915				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 23, E (S)				Acres:	2.0	
Location:	LUX CANYON, WEST OF EL CAMINO REAL, APPROXIMATELY 0.4 AND 0.6 AIR MILE NNW OF JUNCTION WITH MANCHESTER AVENUE.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS. NORTHERN POLYGON BASED ON A 2014 MACGREGOR MAP; SOUTHERN POLYGON BASED ON A 1998 DUDEK MAP.						
Ecological:	PLANTS LOCATED WITHIN SOUTHERN MARITIME CHAPARRAL HABITAT WITH LESSINGIA FILAGINIFOLIA & QUERCUS DUMOSA ADJACENT TO COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, COYOTE BRUSH, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, ET AL.						
General:	NORTHERN POLYGON: 4 PLANTS OBSERVED IN 2014. SOUTHERN POLYGON: ONLY SOURCE OF INFORMATION IS QUINO CHECKERSPOT SURVEY WHERE "COMAROSTAPHYLIS DIVERSIFOLIA" WAS OBSERVED.						
Owner/Manager:	PVT						



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Occurrence No.	63	Map Index:	54130	EO Index:	54130	Element Last Seen:	1997-10-30
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-10-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-28
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.22147 / -117.12463				Accuracy:	specific area	
UTM:	Zone-11 N3675847 E488386				Elevation (ft):	1600	
PLSS:	T11S, R02W, Sec. 18, NE (S)				Acres:	5.1	
Location:	WEST OF OAT HILLS, APPROXIMATELY 1 AIR MILE NORTHWEST OF THE MEADOWS COUNTRY CLUB.						
Detailed Location:	TWO SMALL COLONIES MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 18.						
Ecological:	SOUTHERN MIXED CHAPARRAL: ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA ET AL. NORTH-FACING STEEP TO GENTLE SLOPES ADJOINING MASSIVE ROCK OUTCROPS.						
General:	500+ INDIVIDUALS OBSERVED IN 1997.						
Owner/Manager:	PVT						

Occurrence No.	64	Map Index:	54131	EO Index:	54131	Element Last Seen:	1997-08-15
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1997-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-28
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13407 / -117.24379				Accuracy:	specific area	
UTM:	Zone-11 N3666177 E477260				Elevation (ft):	400	
PLSS:	T12S, R03W, Sec. 18, NW (S)				Acres:	3.1	
Location:	WESTERN EDGE OF CARLSBAD RACEWAY, NORTH OF PALOMAR AIRPORT ROAD, WNW OF JUNCTION WITH BEVERLY ROAD.						
Detailed Location:	ONE COLONY MAPPED PRIMARILY ON THE WESTERN EDGE OF THE SW 1/4 OF THE NW 1/4 OF SECTION 18.						
Ecological:	DENSE MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR. ARCTOSTAPHYLOS GLANDULOSA VAR. CRASSIFOLIA, ADOLPHIA CALIFORNICA; ISOCOMA MENZIESII VAR. DECUMBENS ALSO PRESENT.						
General:	10 PLANTS OBSERVED BETWEEN OCCURRENCE #65 & THIS OCCURRENCE IN 1997.						
Owner/Manager:	PVT						



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Occurrence No.	65	Map Index:	54132	EO Index:	54132	Element Last Seen:	1997-08-15
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1997-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-28
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13369 / -117.23325				Accuracy:	specific area	
UTM:	Zone-11 N3666133 E478243				Elevation (ft):	400	
PLSS:	T12S, R03W, Sec. 18, N (S)				Acres:	2.8	
Location:	EASTERN HALF OF CARLSBAD RACEWAY, NORTH OF PALOMAR AIRPORT ROAD, WNW OF JUNCTION WITH BEVERLY ROAD.						
Detailed Location:	TWO COLONIES MAPPED IN THE CENTER OF THE NORTHERN HALF OF SECTION 18.						
Ecological:	DENSE MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR. ARCTOSTAPHYLOS GLANDULOSA VAR. CRASSIFOLIA, ADOLPHIA CALIFORNICA; ISOCOMA MENZIESII VAR. DECUMBENS ALSO PRESENT.						
General:	10 PLANTS OBSERVED BETWEEN OCCURRENCE #64 & THIS OCCURRENCE IN 1997.						
Owner/Manager:	PVT						

Occurrence No.	66	Map Index:	54166	EO Index:	54166	Element Last Seen:	1998-09-28
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1998-09-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-29
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13770 / -117.21781				Accuracy:	specific area	
UTM:	Zone-11 N3666573 E479683				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 17, NW (S)				Acres:	1.9	
Location:	ON NORTH SIDE OF PALOMAR AIRPORT ROAD, APPROXIMATELY 0.7 AIR MILE ENE FROM JUNCTION WITH BEVERLY ROAD.						
Detailed Location:	ONE SMALL COLONY MAPPED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 17. FEATURE IS WITHIN 0.25 MI OF CNDDDB EO #2, THOUGH THESE ARE KEPT AS SEPARATE OCCURRENCES AS PER A 2004 SCHEIDT EMAIL.						
Ecological:	RELICT PATCH OF SOUTHERN MARITIME CHAPARRAL. ADOLPHIA CALIFORNICA ALSO PRESENT ON SITE.						
General:	FIRST SEEN IN 1990, 10 INDIVIDUALS OBSERVED IN 1998.						
Owner/Manager:	PVT						



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Occurrence No.	67	Map Index:	96376	EO Index:	62280	Element Last Seen:	2015-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00403 / -117.25976				Accuracy:	specific area	
UTM:	Zone-11 N3651764 E475735				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 35, NE (S)				Acres:	8.0	
Location:	SAN ELIJO LAGOON ECOLOGICAL RESERVE. WEST SIDE OF I-5 ABOUT 0.5 MILE SOUTH OF MANCHESTER AVE, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS ACCORDING TO A CALTRANS MAP FOR THE I-5 NORTH COAST CORRIDOR NES AND 2015 MORSE COORDINATES.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. NEARBY ASSOCIATES INCLUDE QUERCUS DUMOSA, CORETHROGYNE FILAGINIFOLIA, AND CHAENACTIS GLABRIUSCULA.						
General:	N POLYGON: 2 PLANTS OBSERVED SOMETIME BETWEEN 2003 AND 2005. 1 PLANT OBSERVED IN SAN ELIJO LAGOON ECOLOGICAL RESERVE IN 2012; EXACT LOCATION WITHIN RESERVE UNKNOWN. SEEN AT SAN ELIJO LAGOON IN 2013. 2 S POLYGONS: SEEN IN 2015.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	74	Map Index:	77591	EO Index:	78481	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-12-08
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04007 / -117.12070				Accuracy:	80 meters	
UTM:	Zone-11 N3655736 E488729				Elevation (ft):	676	
PLSS:	T13S, R02W, Sec. 18, SE (S)				Acres:	0.0	
Location:	HILLS SOUTH OF LAKE HODGES, 4 KM SW OF BERNARDINO MOUNTAIN.						
Detailed Location:	SANTA FE VALLEY MSCP PARCEL.						
Ecological:	EAST-FLOWING DRAW AT BASE OF N-FACING SLOPE IN CHAPARRAL. ASSOCIATED WITH QUERCUS BERBERIDIFOLIA, Q. ENGELMANNII, BACCHARIS SALICIFOLIA, B. SAROTHROIDES, TOXICODENDRON DIVERSILOBUM, AND RHUS INTEGRIFOLIA.						
General:	3 INDIVIDUALS OBSERVED IN 2002.						
Owner/Manager:	PVT-THE ENVIRONMENTAL TRUST						



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Occurrence No.	75	Map Index:	77592	EO Index:	78482	Element Last Seen:	2006-08-05
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2006-08-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2009-12-08	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04179 / -117.13279			Accuracy:	1/10 mile		
UTM:	Zone-11 N3655927 E487600			Elevation (ft):	180		
PLSS:	T13S, R02W, Sec. 18, SW (S)			Acres:	0.0		
Location:	APPROXIMATELY 500 M WEST OF LAKE HODGES DAM AND 100 M SOUTH OF DEL DIOS HIGHWAY, ESCONDIDO.						
Detailed Location:	MAPPED AS BEST GUESS BY CNDDDB APPROXIMATELY 0.34 AIR MILE SW OF LAKE HODGES SPILLWAY.						
Ecological:	GENTLE SLOPES; ROCKY TERRAIN (GREY BOULDERS AND BEDROCK) WITH SANDY DEPOSITS. WILLOW-SYCAMORE RIPARIAN WOODLAND WITH SALIX, PLATANUS RACEMOSA, TYPHA, BACCHARIS SALICIFOLIA, AND EUCALYPTUS.						
General:	3 PLANTS OBSERVED IN 2006.						
Owner/Manager:	PVT-THE ENVIRONMENTAL TRUST						

Occurrence No.	76	Map Index:	77593	EO Index:	78483	Element Last Seen:	2008-10-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2008-10-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-06-16	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00747 / -117.16130			Accuracy:	specific area		
UTM:	Zone-11 N3652126 E484932			Elevation (ft):	230		
PLSS:	T13S, R03W, Sec. 26, SW (S)			Acres:	1.0		
Location:	SOUTH OF LUSARDI CREEK, AT THE SE END OF LUSARDI CREEK OPEN SPACE.						
Detailed Location:	2001 DATA SHOWS PLANTS FURTHER WEST OF MAPPED SITE BUT TEXT INDICATES THAT PLANTS WERE "OBSERVED FROM A DISTANCE." MAPPED ACCORDING TO 2013 SAN DIEGO COUNTY DIGITAL DATA.						
Ecological:	GROWING ON RELATIVELY STEEP N-FACING SLOPE IN COASTAL SAGE SCRUB WITH SCATTERED CHAPARRAL ELEMENTS. ASSOCIATED WITH MALOSMA LAURINA, SALVIA MELLIFERA, XYLOCOCCUS BICOLOR, AND ERIOGONUM FASCICULATUM.						
General:	ABOUT 3 INDIVIDUALS SEEN ONLY FROM A DISTANCE IN 2001. 1 PLANT OBSERVED IN 2008.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	77	Map Index:	77606	EO Index:	78484	Element Last Seen:	1993-07-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-07-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-23
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07210 / -117.24714				Accuracy:	2/5 mile	
UTM:	Zone-11 N3659307 E476931				Elevation (ft):	220	
PLSS:	T13S, R04W, Sec. 01 (S)				Acres:	0.0	
Location:	ARROYO LA COSTA, SOUTH OF SEGOVIA RD, 5.2 KM SW OF LAKE SAN MARCOS DAM.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB APPROX. 5.2 KM SW OF LAKE SAN MARCOS DAM.						
Ecological:	N-FACING SLOPE BELOW SANDSTONE TERRACE. IN SOUTHERN MARITIME CHAPARRAL WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, ARCTOSTAPHYLOS GLANDULOSA, YUCCA SCHIDIGERA, HETEROMELES ARBUTIFOLIA, AND LONICERA SUBSPICATA.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS 1993 ROBERTS & DAVENPORT COLLECTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	78	Map Index:	77607	EO Index:	78498	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-03
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03401 / -117.24699				Accuracy:	specific area	
UTM:	Zone-11 N3655084 E476936				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24, N (S)				Acres:	15.0	
Location:	MANCHESTER PRESERVE, BETWEEN LUX CANYON AND MANCHESTER AVENUE, ENCINITAS.						
Detailed Location:	SEVERAL COLONIES MAPPED BY CNDDDB AS 9 POLYGONS ACCORDING TO 2008 CNLM DIGITAL DATA.						
Ecological:	ON SANDSTONE WITH XYLOCOCCUS BICOLOR, ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA, YUCCA SCHIDIGERA, AND RHUS INTEGRIFOLIA.						
General:	POPULATION NUMBER FOR MANCHESTER HABITAT CONSERVATION AREA: 50 INDIVIDUALS IN 1996, 22 IN 2001, ABOUT 51 IN 2006, 6 ADDITIONAL INDIVIDUALS IN 2008 (TOTAL OF 57 PLANTS).						
Owner/Manager:	CNLM-MANCHESTER PRESERVE						



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Occurrence No.	79	Map Index:	77608	EO Index:	78499	Element Last Seen:	2008-02-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-02-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-05-04
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03535 / -117.26059				Accuracy:	non-specific area	
UTM:	Zone-11 N3655236 E475666				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 23, NE (S)				Acres:	7.0	
Location:	SOUTH OF SANTA FE DRIVE, BETWEEN CREST DRIVE AND SOUTH EL CAMINO REAL, ENCINITAS.						
Detailed Location:	ACCESSED FROM THE END OF WALNUT CREEK DRIVE AND ELMVIEW DRIVE NORTH FROM PINE BRANCH DRIVE. EXACT LOCATION WITHIN PARCEL UNKNOWN, MAPPED BY CNDDB TO ENCOMPASS ENTIRE PARCEL.						
Ecological:	REMNANT UNDEVELOPED PARCEL BORDERED BY RESIDENTIAL DEVELOPMENT TO THE W, N, AND E. IN CHAPARRAL DOMINATED BY CHAMISE. ASSOC WITH THE RARE ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, CEANOTHUS VERRUCOSUS, BACCHARIS VANESSAE, & QUERCUS DUMOSA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008. AREA IS PLANNED FOR 3 SINGLE FAMILY HOMES WITH LANDSCAPING AND ACCESS ROAD; ONLY A SMALL AREA OF CHAPARRAL IS EXPECTED TO BE IMPACTED.						
Owner/Manager:	PVT						

Occurrence No.	80	Map Index:	77609	EO Index:	78500	Element Last Seen:	1992-06-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-06-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-12-09
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20388 / -117.18418				Accuracy:	1/10 mile	
UTM:	Zone-11 N3673905 E482834				Elevation (ft):	950	
PLSS:	T11S, R03W, Sec. 22, S (S)				Acres:	0.0	
Location:	HARDELL LANE, 0.5 MILE NORTH OF VALLEY CREST DRIVE, SAN MARCOS MOUNTAINS.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN ON HERBARIUM LABEL (NO DATUM PROVIDED): 33 DEG 12 MIN 14 SEC N, 117 DEG 11 MIN 03 SEC W. T-R-S GIVEN: T11S R3W S22 (NE 1/4 OF SW 1/4).						
Ecological:	MIXED CHAPARRAL WITH SOME SALVIA MELLIFERA.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS 1992 LEVIN COLLECTION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	93	Map Index:	85460	EO Index:	86476	Element Last Seen:	2010-05-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-14
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09221 / -117.17749				Accuracy:	specific area	
UTM:	Zone-11 N3661524 E483436				Elevation (ft):	1000	
PLSS:	T12S, R03W, Sec. 34, NE (S)				Acres:	3.0	
Location:	SAGE HILL PRESERVE; APPROXIMATELY 1.2 AIR MILES SOUTH OF DOUBLE PEAK.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDB AS 2 POLYGONS IN THE NORTH HALF OF THE NE 1/4 OF SECTION 34 ACCORDING TO 2010 DIGITAL DATA FROM THE COUNTY OF SAN DIEGO.						
Ecological:							
General:	5 PLANTS OBSERVED IN WESTERN POLYGON AND 15 PLANTS OBSERVED IN EASTERN POLYGON IN 2010. SOME PLANTS EXTEND OUTSIDE OF PRESERVE BOUNDARY.						
Owner/Manager:	SDG COUNTY, UNKNOWN						

Occurrence No.	94	Map Index:	85462	EO Index:	86477	Element Last Seen:	2005-05-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-03-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08205 / -117.27240				Accuracy:	specific area	
UTM:	Zone-11 N3660416 E474576				Elevation (ft):	150	
PLSS:	T12S, R04W, Sec. 35, SW (S)				Acres:	9.0	
Location:	NORTHWEST SIDE OF GREEN VALLEY, APPROXIMATELY 0.3 AIR MILE SOUTHWEST OF INTERSECTION OF LA COSTA AVE AND EL CAMINO REAL.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDB AS 2 POLYGONS IN THE SE 1/4 OF THE SW 1/4 OF SECTION 35 ACCORDING TO A 2005 MAP FROM DUDEK & ASSOCIATES.						
Ecological:							
General:	48 PLANTS OBSERVED IN NORTHWEST POLYGON AND 50 PLANTS OBSERVED IN SOUTHEAST POLYGON IN 2005.						
Owner/Manager:	PVT						



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Occurrence No.	107	Map Index:	96412	EO Index:	97571	Element Last Seen:	2011-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03155 / -117.16334				Accuracy:	non-specific area	
UTM:	Zone-11 N3654796 E484746				Elevation (ft):	100	
PLSS:	T13S, R03W, Sec. 23 (S)				Acres:	70.0	
Location:	SANTA FE VALLEY PARK; NORTH AND SOUTH OF WHERE THE SECOND SAN DIEGO AQUEDUCT CROSSES THE SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED BY CNDDB AROUND "HABITAT MANAGEMENT AREA 4 AND 5" AS DESCRIBED IN A HABITAT MANAGEMENT PLAN REPORT FOR THE CROSBY AT RANCHO SANTA FE.						
Ecological:	OTHER RARE SPECIES IN THIS AREA INCLUDE ADOLPHIA CALIFORNICA, QUERCUS DUMOSA, IVA HAYESIANA, ARTEMISIA PALMERI, JUNCUS ACUTUS SSP. LEOPOLDII, AND CEANOTHUS VERRUCOSUS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED. DATE OF OBSERVATION UNCLEAR; LIKELY 2011.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	108	Map Index:	96413	EO Index:	97572	Element Last Seen:	2013-12-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06688 / -117.14189				Accuracy:	specific area	
UTM:	Zone-11 N3658710 E486755				Elevation (ft):	800	
PLSS:	T13S, R03W, Sec. 1, SE (S)				Acres:	8.0	
Location:	JUST SW OF OLIVENHAIN DAM, WEST OF LAKE HODGES.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO A MAP IN A 2010 AECOM REPORT AND 2013 VEGETATION SURVEY COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 1.						
Ecological:	SOUTHERN MIXED CHAPARRAL. ASSOCIATED WITH CEANOTHUS VERRUCOSUS, QUERCUS BERBERIDIFOLIA, XYLOCOCCUS BICOLOR, MALOSMA LAURINA, CEANOTHUS TOMENTOSUS, SALVIA MELLIFERA, HETEROMELES ARBUTIFOLIA, AND DRYOPTERIS ARGUTA.						
General:	1 INDIVIDUAL OBSERVED IN 2009. LESS THAN 1% COVER OF COMAROSTAPHYLIS DIVERSIFOLIA OBSERVED IN 2013.						
Owner/Manager:	OLIVENHAIN MWD?						



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Occurrence No.	109	Map Index:	96414	EO Index:	97573	Element Last Seen:	2008-05-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-05-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-18
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08230 / -117.12627				Accuracy:	specific area	
UTM:	Zone-11 N3660418 E488214				Elevation (ft):	800	
PLSS:	T12S, R02W, Sec. 31, SE (S)				Acres:	10.0	
Location:	DEL DIOS HIGHLANDS PRESERVE; ABOUT 1 AIR MILE SSE OF HARMONY GROVE, NW OF DEL DIOS.						
Detailed Location:	MAPPED BY CNDDDB AS 5 POLYGONS ACCORDING TO 2013 SAN DIEGO COUNTY DIGITAL DATA.						
Ecological:							
General:	27 PLANTS OBSERVED IN 2008.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	110	Map Index:	96415	EO Index:	97574	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09363 / -117.23597				Accuracy:	80 meters	
UTM:	Zone-11 N3661692 E477979				Elevation (ft):	350	
PLSS:	T12S, R03W, Sec. 31, NW (S)				Acres:	0.0	
Location:	SOUTH SIDE OF SAN MARCOS CREEK IN BOX CANYON, RANCHO LA COSTA HABITAT CONSERVATION AREA, EAST OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 2008 CENTER FOR NATURAL LANDS MANAGEMENT MAP, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 31.						
Ecological:	THE RARE DUDLEYA VISCIDA ALSO OCCURS NEARBY.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	111	Map Index:	96416	EO Index:	97575	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09040 / -117.24372				Accuracy:	80 meters	
UTM:	Zone-11 N3661335 E477255				Elevation (ft):	100	
PLSS:	T12S, R03W, Sec. 31, NW (S)				Acres:	0.0	
Location:	LA COSTA CANYON PARK; SE SIDE OF SAN MARCOS CREEK, EAST OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 2010 CENTER FOR NATURAL LANDS MANAGEMENT MAP, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 31.						
Ecological:	DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED ON AN UNKNOWN DATE.						
Owner/Manager:	CITY OF CARLSBAD						



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Occurrence No.	112	Map Index:	96419	EO Index:	97578	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-06-18		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08357 / -117.24488			Accuracy:	specific area		
UTM:	Zone-11 N3660579 E477145			Elevation (ft):	150		
PLSS:	T12S, R04W, Sec. 36, SE (S)			Acres:	9.0		
Location:	LA COSTA ROMERIA; JUST SW OF THE JUNCTION OF ROMERIA STREET AND LA COSTA AVE, LA COSTA CANYON OPEN SPACE.						
Detailed Location:	ALSO CALLED LA COSTA CANYON OPEN SPACE. MAPPED BY CNDDDB ACCORDING TO A 2010 CENTER FOR NATURAL LANDS MANAGEMENT MAP, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 36.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. ALSO ASSOCIATED WITH QUERCUS DUMOSA.						
General:	85 PLANTS OBSERVED IN 2010.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	113	Map Index:	96420	EO Index:	97580	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2015-06-18		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11366 / -117.25382			Accuracy:	specific area		
UTM:	Zone-11 N3663916 E476319			Elevation (ft):	300		
PLSS:	T12S, R04W, Sec. 24, SW (S)			Acres:	1.0		
Location:	APPROXIMATELY 0.4 AIR MILE SW OF THE JUNCTION OF POINSETTIA LANE AND EL FUERTE STREET, THE GREENS, RANCHO LA COSTA HCA.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 2008 CENTER FOR NATURAL LANDS MANAGEMENT MAP, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 24.						
Ecological:	THE RARE QUERCUS DUMOSA ALSO OCCURS NEARBY.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008.						
Owner/Manager:	CNLM						



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Occurrence No.	114	Map Index:	96422	EO Index:	97582	Element Last Seen:	2000-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-18
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.20083 / -117.10127				Accuracy:	specific area	
UTM:	Zone-11 N3673556 E490561				Elevation (ft):	1600	
PLSS:	T11S, R02W, Sec. 21, SW (S)				Acres:	11.0	
Location:	JUST WEST OF REIDY CANYON, ABOUT 1.4 AIR MILES EAST OF THE JUNCTION OF MOUNTAIN MEADOW RD AND INTERSTATE 15.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO COUNTY OF SAN DIEGO DIGITAL DATA, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 21.						
Ecological:							
General:	4 PLANTS IN TOTAL OBSERVED IN 2000.						
Owner/Manager:	UNKNOWN						
Occurrence No.	116	Map Index:	96549	EO Index:	97725	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-07-01
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17214 / -117.27758				Accuracy:	non-specific area	
UTM:	Zone-11 N3670405 E474119				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 35 (S)				Acres:	262.0	
Location:	LAKE CALAVERA PRESERVE.						
Detailed Location:	MAPPED BY CNDDDB NON-SPECIFICALLY AROUND THE BOUNDARY OF THE PRESERVE; EXACT LOCATION WITHIN PRESERVE IS UNKNOWN.						
Ecological:	CHAPARRAL.						
General:	SITE BASED ON A 2013 VASCULAR PLANT CHECKLIST OF THE LAKE CALAVERA AND CALAVERA HEIGHTS PRESERVES. OBSERVATION DATE UNKNOWN.						
Owner/Manager:	CITY OF CARLSBAD						



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Occurrence No.	121	Map Index:	B0795	EO Index:	112666	Element Last Seen:	2017-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09685 / -117.12851				Accuracy:	specific area	
UTM:	Zone-11 N3662031 E488008				Elevation (ft):	703	
PLSS:	T12S, R02W, Sec. 30, SE (S)				Acres:	1.0	
Location:	EAST OF HARMONY GROVE, ABOUT 0.2 AIR MILE SSE OF THE INTERSECTION OF COUNTRY CLUB DRIVE AND HARMONY GROVE ROAD.						
Detailed Location:	MAPPED ACCORDING TO A 2017 HELIX MAP, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 30.						
Ecological:	GRANITIC SOUTHERN MIXED CHAPARRAL.						
General:	2 PLANTS OBSERVED AT THIS SITE; RARE PLANT SURVEYS CONDUCTED IN 2014-2017, UNKNOWN WHICH YEAR PLANTS WERE SEEN.						
Owner/Manager:	PVT						

Occurrence No.	122	Map Index:	B0796	EO Index:	112667	Element Last Seen:	2017-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-10-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09181 / -117.12789				Accuracy:	specific area	
UTM:	Zone-11 N3661472 E488066				Elevation (ft):	750	
PLSS:	T12S, R02W, Sec. 31, N (S)				Acres:	5.0	
Location:	SOUTHEAST OF HARMONY GROVE, ABOUT 0.5 AIR MILE SSE OF THE INTERSECTION OF COUNTRY CLUB DRIVE AND HARMONY GROVE ROAD.						
Detailed Location:	3 POLYGONS MAPPED ACCORDING TO A 2017 HELIX MAP, IN THE NORTH 1/2 OF SECTION 31.						
Ecological:	GRANITIC SOUTHERN MIXED CHAPARRAL.						
General:	4 PLANTS SEEN IN WESTERN POLYGON, 20 PLANTS SEEN IN MIDDLE POLYGON, AND 2 PLANTS SEEN IN EASTERN POLYGON; RARE PLANT SURVEYS CONDUCTED IN 2014-2017, UNKNOWN WHICH YEAR PLANTS WERE SEEN.						
Owner/Manager:	PVT						



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Occurrence No.	123	Map Index:	B0797	EO Index:	112668	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08458 / -117.21858				Accuracy:	specific area	
UTM:	Zone-11 N3660685 E479601				Elevation (ft):	543	
PLSS:	T12S, R03W, Sec. 32, SW (S)				Acres:	1.0	
Location:	EAST OF CAMINO JUNIPERO, ABOUT 1 AIR MILE ENE OF THE INTERSECTION OF RANCHO SANTA FE RD AND LA COSTA AVE.						
Detailed Location:	RANCHO LA COSTA PRESERVE. MAPPED ACCORDING TO 2008 CNLM DIGITAL DATA, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 32.						
Ecological:							
General:	3 INDIVIDUALS OBSERVED IN 2003.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	124	Map Index:	B0798	EO Index:	112670	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07306 / -117.18886				Accuracy:	specific area	
UTM:	Zone-11 N3659402 E482372				Elevation (ft):	422	
PLSS:	T13S, R03W, Sec. 4, NE (S)				Acres:	1.0	
Location:	ALONG A TRIBUTARY TO ESCONDIDO CREEK, ~0.3 AIR MILE NORTHEAST OF THE INTERSECTION OF CANYON DE ORO AND SEAQUEST TRAIL.						
Detailed Location:	MAPPED ACCORDING TO 2008 CNLM DIGITAL DATA, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 4.						
Ecological:							
General:	1 INDIVIDUAL OBSERVED IN 2003.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	125	Map Index:	82461	EO Index:	112672	Element Last Seen:	2007-10-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-10-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02139 / -117.20889				Accuracy:	80 meters	
UTM:	Zone-11 N3653678 E480490				Elevation (ft):	171	
PLSS:	T13S, R03W, Sec. 29, NE (S)				Acres:	0.0	
Location:	RANCHO SANTA FE, NEAR CORNER OF LA GRANADA AND MIMOSA ROADS, 2.3 KM SOUTHWEST OF SAN DIEGUITO RESERVOIR DAM.						
Detailed Location:	85 M SOUTH OF LA GRANADA AND 19 M EAST OF MIMOSA PLACE. MAPPED ACCORDING TO 2007 BRAMLET COORDINATES, IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 29.						
Ecological:	SCRUB OAK CHAPARRAL.						
General:	SITE IS BASED ON A 2007 BRAMLET COLLECTION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	126	Map Index:	B0802	EO Index:	112674	Element Last Seen:	2000-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-09-25
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.144 / -117.25301				Accuracy:	specific area	
UTM:	Zone-11 N3667280 E476403				Elevation (ft):	440	
PLSS:	T12S, R04W, Sec. 12, S (S)				Acres:	1.0	
Location:	SOUTHWEST SLOPE OF MT MARRON, ABOUT 0.7 AIR MILE WSW OF THE INTERSECTION OF SYCAMORE AVE AND MELROSE DR.						
Detailed Location:	MAPPED ACCORDING TO 2008 CNLM DIGITAL DATA, IN THE SOUTH 1/2 OF SECTION 12.						
Ecological:							
General:	1 INDIVIDUAL OBSERVED IN 2000. PRESUMED EXTIRPATED DUE TO ROAD CONSTRUCTION/DEVELOPMENT.						
Owner/Manager:	UNKNOWN						

<i>Euphorbia misera</i>						Element Code: PDEUP0Q1B0	
cliff spurge							
Listing Status:	Federal:	None	CNDDDB Element Ranks:		Global:	G5	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 2B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:	COASTAL BLUFF SCRUB, COASTAL SCRUB, MOJAVEAN DESERT SCRUB.					
	Micro:	ROCKY SITES. 3-430 M.					



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Occurrence No.	17	Map Index:	36761	EO Index:	31758	Element Last Seen:	2015-07-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-07-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-07-25
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14697 / -117.33445				Accuracy:	specific area	
UTM:	Zone-11 N3667630 E468809				Elevation (ft):	40	
PLSS:	T12S, R04W, Sec. 7, E (S)				Acres:	2.0	
Location:	JUST WEST OF I-5 ABOUT 0.4 MILE SOUTH OF TAMARACK AVE, NORTH SHORE OF AGUA HEDIONDA LAGOON.						
Detailed Location:	MAPPED BY CNDDB IN THE EAST HALF OF SECTION 7 BASED ON 2015 DIGITAL DATA SUBMITTED BY MORSE.						
Ecological:	GROWING IN SMALL PATCH OF MARITIME SUCCULENT SCRUB.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2015. 1938 GANDER COLLECTION AND UNDATED OBSERVATION IN 1992 DUDEK REPORT FROM "CARLSBAD NORTH OF WINDSONG SHORES" ATTRIBUTED HERE, THOUGH EXACT LOCATION OF WINDSONG SHORES IS UNKNOWN.						
Owner/Manager:	PVT?						

Occurrence No.	35	Map Index:	82034	EO Index:	83015	Element Last Seen:	2015-03-19
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-03-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-07-26
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.12362 / -117.32917				Accuracy:	80 meters	
UTM:	Zone-11 N3665040 E469293				Elevation (ft):	46	
PLSS:	T12S, R04W, Sec. 20, NW (S)				Acres:	0.0	
Location:	ABOUT 1 MILE SOUTH OF ENCINA POWER PLANT, WEST OF HIGHWAY 5 AND ADJACENT TO HIGHWAY 1, CARLSBAD.						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 20 ACCORDING TO COORDINATES FROM A 2008 PALENSCAR COLLECTION.						
Ecological:	WESTERN EXPOSURE ON COASTAL SEA CLIFFS. ASSOCIATES INCLUDE ENCELIA CALIFORNICA, LYCIUM CALIFORNICUM, SUAEDA TAXIFOLIA, ERIOGONUM PARVIFOLIUM ON SANDY SOILS.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2008. 9 PLANTS SEEN IN 2015.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						



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Occurrence No.	36	Map Index:	82035	EO Index:	83018	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-03-22
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.20071 / -117.32335				Accuracy:	non-specific area	
UTM:	Zone-11 N3673585 E469861				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 20 (S)				Acres:	534.0	
Location:	OCEANSIDE, BETWEEN A RESIDENTIAL AREA AND A LIGHT RAIL LINE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB TO ENCOMPASS THE SPRINTER LIGHT RAIL ROUTE WITHIN OCEANSIDE.						
Ecological:							
General:	"SMALL POPULATION" ACCORDING TO ROBERTS (2009), UNKNOWN WHEN SEEN. MORE INFORMATION IS NEEDED REGARDING THIS OCCURRENCE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	37	Map Index:	82036	EO Index:	83019	Element Last Seen:	2015-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-07-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14176 / -117.29885				Accuracy:	specific area	
UTM:	Zone-11 N3667043 E472127				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 9, SE (S)				Acres:	1.0	
Location:	EVANS POINT, ABOUT 1.5 AIR MILES WEST OF OAK LAKE, KELLY RANCH PRESERVE.						
Detailed Location:	MAPPED BY CNDDDB BASED ON 2008 AND 2015 DIGITAL DATA, IN THE SE 1/4 SE 1/4 SECTION 9.						
Ecological:							
General:	"ONE THICKET" OBSERVED IN 1998, 3 PLANTS OBSERVED IN 2003, 11 PLANTS OBSERVED IN 2007, UNKNOWN NUMBER OBSERVED IN 2015.						
Owner/Manager:	CNLM-KELLY RANCH PRESERVE						



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Occurrence No.	42	Map Index:	A1344	EO Index:	102856	Element Last Seen:	2015-02-27
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:	2015-02-27		
Occ. Type:	Transplant Outside of Native Hab./Range	Trend:	Unknown	Record Last Updated:	2016-08-08		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00667 / -117.27549			Accuracy:	specific area		
UTM:	Zone-11 N3652060 E474267			Elevation (ft):	10		
PLSS:	T13S, R04W, Sec. 34, NE (S)			Acres:	1.0		
Location:	SAN ELIJO LAGOON; ABOUT 0.9 AIR MILE SSE OF GLEN PARK.						
Detailed Location:	MAPPED BY CNDDB BASED ON 2015 DIGITAL DATA PROVIDED BY KENTNER, IN THE NE 1/4 SECTION 34.						
Ecological:	ATYPICAL HABITAT ALONG EDGE OF WHAT APPEARS TO BE AN OLD SETTLING POND. ASSOCIATES INCLUDE ISOCOMA MENZIESII, HELIOTROPIUM CURASSAVICUM, FRANKENIA SALINA, DISTICHLIS SPICATA, LYCIUM CALIFORNICUM, LEPTOSYNE MARITIMA, ETC.						
General:	1 PLANT OBSERVED IN 2015. PLANT APPEARS TO HAVE BEEN PLANTED DURING RESTORATION WORK.						
Owner/Manager:	SAN ELIJO LAGOON CONSERVANCY						

Occurrence No.	43	Map Index:	A1345	EO Index:	102859	Element Last Seen:	2015-03-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2015-03-27		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-07-29		
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01542 / -117.26271			Accuracy:	specific area		
UTM:	Zone-11 N3653027 E475463			Elevation (ft):	200		
PLSS:	T13S, R04W, Sec. 26, NE (S)			Acres:	2.0		
Location:	JUST SOUTH OF END OF VIA TIEMPO RD, ABOUT 0.4 AIR MILE NE OF MANCHESTER AVE/I-5 INTERCHANGE, SAN ELIJO LAGOON.						
Detailed Location:	MAPPED AS 2 POLYGONS BY CNDDB, IN THE SW 1/4 NE 1/4 SECTION 26. NW POLYGON BASED ON 2015 HERMAN COORDINATES; SE POLYGON BASED ON MAP IN A 2004 CALTRANS REPORT.						
Ecological:							
General:	SEVERAL INDIVIDUALS OBSERVED IN SE POLYGON IN 2003. UNKNOWN NUMBER OBSERVED IN NW POLYGON IN 2015.						
Owner/Manager:	PVT						



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Occurrence No.	13	Map Index:	03818	EO Index:	18733	Element Last Seen:	1936-07-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1936-07-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-02
Quad Summary:	Bonsall (3311732), Temecula (3311742)						
County Summary:	San Diego						
Lat/Long:	33.38380 / -117.17522				Accuracy:	non-specific area	
UTM:	Zone-11 N3693850 E483702				Elevation (ft):		
PLSS:	T09S, R03W, Sec. 22, E (S)				Acres:	144.0	
Location:	RED MOUNTAIN GRADE ON HIGHWAY 395 NEAR FALLBROOK.						
Detailed Location:	EXACT LOCATION UNKNOWN. US 395 IS NOW INTERSTATE 15 IN THIS AREA. MAPPED BY CNDDB NON-SPECIFICALLY ALONG I-15 THROUGH THE ENTIRE EXTENT OF RED MOUNTAIN GRADE.						
Ecological:	PARTLY SHADED CHAPARRAL ON DRY SLOPE.						
General:	OCCURRENCE KNOWN ONLY FROM 1932 MUNZ COLLECTIONS AND 1936 GANDER COLLECTIONS. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	23	Map Index:	38040	EO Index:	34274	Element Last Seen:	1987-12-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1987-12-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-02
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.17048 / -117.14212				Accuracy:	1/5 mile	
UTM:	Zone-11 N3670196 E486748				Elevation (ft):	1100	
PLSS:	T11S, R03W, Sec. 36, SE (S)				Acres:	0.0	
Location:	SE END OF MERRIAM MOUNTAINS, EAST END OF TWIN OAKS VALLEY, OFF RICHLAND ROAD, 0.5 KM ESE OF MULBERRY DRIVE.						
Detailed Location:	IN THE SE 1/4 OF THE SE 1/4 OF SECTION 36.						
Ecological:	SW-FACING SLOPE WITH GABBRO-DERIVED SOIL.						
General:	OCCURRENCE KNOWN FROM TWO 1987 COLLECTIONS BY DIGGS & DICE.						
Owner/Manager:	PVT						

Occurrence No.	28	Map Index:	55326	EO Index:	55326	Element Last Seen:	2000-02-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-02-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-04-30
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.19995 / -117.17730				Accuracy:	specific area	
UTM:	Zone-11 N3673468 E483474				Elevation (ft):	1000	
PLSS:	T11S, R03W, Sec. 22, SE (S)				Acres:	5.7	
Location:	EAST OF VISTA, SOUTH END OF SAN MARCOS MOUNTAINS, APPROXIMATELY 0.2 AIR MILE SOUTH OF THE WATER TANK.						
Detailed Location:	ONE COLONY LOCATED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 22.						
Ecological:	MAFIC NORTHERN MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, CEANOTHUS, XYLOCOCCUS BICOLOR, ETC.						
General:	500+ INDIVIDUALS OBSERVED IN 2000 BETWEEN THIS OCCURRENCE AND OCCURRENCE #30 COMBINED.						
Owner/Manager:	PVT						



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Occurrence No.	30	Map Index:	55328	EO Index:	55328	Element Last Seen:	2000-02-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2000-02-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-04-30
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.19461 / -117.17350				Accuracy:	specific area	
UTM:	Zone-11 N3672875 E483827				Elevation (ft):	1000	
PLSS:	T11S, R03W, Sec. 26, NW (S)				Acres:	4.9	
Location:	1.3 AIR MILES NW OF TWIN OAKS, LOCATED ON THE NW SLOPE OF HILL SOUTH OF SAN MARCOS MTNS AND WEST OF MERRIAM MOUNTAINS.						
Detailed Location:	TWO COLONIES LOCATED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 26.						
Ecological:	MAFIC NORTHERN MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, CEANOTHUS, XYLOCOCCUS BICOLOR, ETC.						
General:	500+ INDIVIDUALS OBSERVED IN 2000 BETWEEN THIS OCCURRENCE AND OCCURRENCE #28 COMBINED.						
Owner/Manager:	PVT						

Occurrence No.	31	Map Index:	81017	EO Index:	55510	Element Last Seen:	2001-01-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-01-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-08
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36519 / -117.10632				Accuracy:	specific area	
UTM:	Zone-11 N3691778 E490109				Elevation (ft):	800	
PLSS:	T09S, R02W, Sec. 29, SE (S)				Acres:	6.0	
Location:	ALONG PALA ROAD, 0.4 ROAD MILE NORTH OF HIGHWAY 76, ABOUT 1/2 MILE WEST OF GOMEZ CREEK, WEST OF PALA.						
Detailed Location:	IN THE NE 1/4 OF THE SE 1/4 OF SECTION 29.						
Ecological:	OPEN SAGE SCRUB WITH NOLINA CISMONTANA.						
General:	4 PLANTS OBSERVED IN 2001. APPROXIMATELY 30 PLANTS NOTED IN 2000 AT A COLLECTION SITE ATTRIBUTED HERE, WHICH WAS DESCRIBED BY REISER AS "KNOLL CA. 1/2 MILE NORTH OF HIGHWAY 76 WEST OF GOMEZ CREEK."						
Owner/Manager:	PVT						



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Occurrence No.	35	Map Index:	81020	EO Index:	82007	Element Last Seen:	2001-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-01-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22773 / -117.20145				Accuracy:	non-specific area	
UTM:	Zone-11 N3676551 E481229				Elevation (ft):		
PLSS:	T11S, R03W, Sec. 09, S (S)				Acres:	443.0	
Location:	PALISADES ESTATES, SAN MARCOS MOUNTAINS, VISTA.						
Detailed Location:	PLANTS FOUND THROUGHOUT THE PALISADES ESTATES SITE. MAPPED BY CNDDDB NON-SPECIFICALLY TO INCLUDE THE ENTIRE SITE SHOWN IN THE DRAFT EIR.						
Ecological:	MAFIC CHAPARRAL WITH CEANOTHUS VERRUCOSUS, ADENOSTOMA FASCICULATUM, XYLOCOCCLUS BICOLOR, CNEORIDIUM DUMOSUM, MALOSMA LAURINA, SALVIA MELLIFERA, HETEROMELES ARBUTIFOLIA, AND CERCOCARPUS MINUTIFLORA.						
General:	9000 PLANTS ESTIMATED IN 2001, UNIFORMLY DISTRIBUTED THROUGHOUT THE SITE. 1933 STARK COLLECTION FROM "JOHN H. WEBB RANCH, 3 MI E OF VISTA, END OF ALLESSANDRO TRAIL" ATTRIBUTED HERE.						
Owner/Manager:	PVT						

Occurrence No.	36	Map Index:	81022	EO Index:	82008	Element Last Seen:	2012-06-07
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2012-06-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-12-04
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16316 / -117.14198				Accuracy:	specific area	
UTM:	Zone-11 N3669384 E486760				Elevation (ft):	850	
PLSS:	T12S, R03W, Sec. 01, NE (S)				Acres:	2.0	
Location:	0.1 MILE EAST OF THE INTERSECTION OF TIDE WAY AND RICHLAND ROAD, SAN MARCOS, SOUTHERN MERRIAM MOUNTAINS.						
Detailed Location:	NEAR A DIRT ROAD. MAPPED BY CNDDDB AS TWO POLYGONS BASED ON 2008 ALLEN FIELD SURVEY, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 1.						
Ecological:	DIEGAN COASTAL SAGE SCRUB.						
General:	14 PLANTS OBSERVED IN 2008. UNKNOWN NUMBER OBSERVED IN 2012.						
Owner/Manager:	PVT						



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Occurrence No.	37	Map Index:	81025	EO Index:	82012	Element Last Seen:	1990-12-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-12-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-08
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15795 / -117.16164				Accuracy:	non-specific area	
UTM:	Zone-11 N3668810 E484926				Elevation (ft):	700	
PLSS:	T12S, R03W, Sec. 02, E (S)				Acres:	127.0	
Location:	SOUTHERN ENTRANCE TO TWIN OAKS VALLEY, WEST SIDE OF TWIN OAKS VALLEY ROAD, SAN MARCOS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB NON-SPECIFICALLY ALONG NORTH TWIN OAKS VALLEY ROAD (S12) FROM MISSION ROAD (S14) TO TWO MILES NORTH OF MISSION ROAD.						
Ecological:	HEAVY SOUTHERN MIXED CHAPARRAL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1990 COLLECTION BY REISER.						
Owner/Manager:	PVT?						

Occurrence No.	38	Map Index:	81026	EO Index:	82013	Element Last Seen:	2008-08-12
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-08-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-08
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36040 / -117.11185				Accuracy:	specific area	
UTM:	Zone-11 N3691247 E489593				Elevation (ft):	450	
PLSS:	T09S, R02W, Sec. 29, SE (S)				Acres:	7.0	
Location:	ALONG PALA DEL NORTE ROAD, 0.2 TO 0.4 ROAD MILE NORTH OF ITS INTERSECTION WITH HIGHWAY 76, WEST OF PALA.						
Detailed Location:	MAPPED BY CNDDDB AS 5 POLYGONS, ON BOTH SIDES OF THE ROAD, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 29.						
Ecological:	COASTAL SAGE SCRUB. HERBACEOUS LAYER DOMINATED BY NON-NATIVE GRASSES. ASSOCIATED WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, PRUNUS ILICIFOLIA, QUERCUS BERBERIDIFOLIA, SALVIA APIANA, AND CLEMATIS PAUCIFOLIA.						
General:	83 PLANTS OBSERVED IN 2008. 23 OF THESE WILL BE REMOVED DURING POWER PLANT CONSTRUCTION, BUT WILL BE REPLACED BY REPLANTS.						
Owner/Manager:	PVT						



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Occurrence No.	39	Map Index:	81028	EO Index:	82015	Element Last Seen:	1997-04-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-04-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-12-08
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34916 / -117.03304				Accuracy:	non-specific area	
UTM:	Zone-11 N3689996 E496925				Elevation (ft):	600	
PLSS:	T09S, R02W, Sec. 36, SE (S)				Acres:	92.0	
Location:	WILDERNESS GARDENS PRESERVE, SW OF HIGHWAY 76 AND THE SAN LUIS REY RIVER, EAST OF PALA.						
Detailed Location:	AREAS ALONG MAIN TRAIL NETWORK FROM PARKING AREA ALONG PRIMARY DRIVEWAY WITHIN THE RIVER BOTTOM TO AREAS OF NATIVE GRASSLANDS ON HIGHER SLOPES. MAPPED BY CNDDB ACCORDING TO TRS BY BANKS: NW 1/4 SW 1/4 SECTION 31, NE 1/4 SE 1/4 SECTION 36.						
Ecological:	ASSOCIATED WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, ARCTOSTAPHYLOS GLAUCA, CEANOTHUS CRASSIFOLIUS, SALVIA MELLIFERA, WITH SCATTERED POCKETS OF STIPA GRASSLANDS ON ADJACENT SLOPES.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1997 COLLECTION BY BANKS.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	40	Map Index:	81031	EO Index:	82018	Element Last Seen:	2017-03-26
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-03-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-12-04
Quad Summary:	Bonsall (3311732)						
County Summary:	San Diego						
Lat/Long:	33.36812 / -117.15114				Accuracy:	specific area	
UTM:	Zone-11 N3692109 E485940				Elevation (ft):	1000	
PLSS:	T09S, R03W, Sec. 25 (S)				Acres:	85.0	
Location:	MONSERATE MOUNTAIN; FROM ABOUT 0.5 TO 1.2 AIR MILES NNE OF PALA MESA GOLF COURSE.						
Detailed Location:	MAPPED AS 4 POLYGONS BY CNDDB IN THE WEST HALF OF SECTION 25. TWO NORTHERN POLYGONS BASED ON 2009 VEGCAMP COORDINATES; TWO SOUTHERN POLYGONS BASED ON 2004 MACGREGOR MAP.						
Ecological:	ASSOCIATED WITH CALYSTEGIA MACROSTEGIA, XYLOCOCCUS BICOLOR, HELIANTHUS GRACILENTUS, MALOSMA LAURINA, SALVIA MELLIFERA, DEINANDRA FASCICULATA, HELIANTHEMUM SCOPARIUM, HAZARDIA SQUARROSA, HETEROMELES ARBUTIFOLIA, ETC. GABBRO SUBSTRATE.						
General:	SW TWO POLYGONS: 1688 PLANTS OBSERVED SOMETIME BETWEEN 1999-2004. NW POLYGON: 1% COVER OBSERVED DURING 2009 VEGETATION SURVEYS. 29+ PLANTS OBSERVED THROUGHOUT SITE IN 2017. 2011 MORSE PHOTOS FROM MONSERATE MOUNTAIN ATTRIBUTED HERE.						
Owner/Manager:	PVT, FALLBROOK LAND CONS						



Occurrence No.	41	Map Index:	81033	EO Index:	82020	Element Last Seen:	1966-12-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1966-12-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-12-08	
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.26777 / -117.29685			Accuracy:	1 mile		
UTM:	Zone-11 N3681012 E472353			Elevation (ft):	650		
PLSS:	T10S, R04W, Sec. 33 (S)			Acres:	0.0		
Location:	SLOPES ALONG ROAD BETWEEN SAN LUIS REY AND DE LUZ.						
Detailed Location:	COORDINATES GIVEN AS ~33 DEG 16' N, 117 DEG 17' W. MAPPED CENTERED ALONG VANDEGRIFT BLVD AS CLOSE AS POSSIBLE TO COORDINATES, WHICH IS 0.8 AIR MI W OF EXACTLY 33 DEG 16' N, 117 DEG 17' W. ELEVATION IN AREA IS MUCH LOWER THAN ON COLL LABEL.						
Ecological:	CHAPARRAL OF ADENOSTOMA AND ARTEMISIA.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1966 COLLECTION BY WEBSTER & HILDRETH. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

<i>Acmispon prostratus</i>		Element Code: PDFAB2A0V0
Nuttall's acmispon		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G1G2
	State: None	State: S1
	Other: Rare Plant Rank - 1B.1, IUCN_EN-Endangered, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_USDA-US Dept of Agriculture	
Habitat:	General: COASTAL DUNES, COASTAL SCRUB.	
	Micro: ON SAND DUNES. 0-20 M.	

Occurrence No.	10	Map Index:	20145	EO Index:	9662	Element Last Seen:	2016-05-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2016-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00462 / -117.27778				Accuracy:	specific area	
UTM:	Zone-11 N3651834 E474052				Elevation (ft):	10	
PLSS:	T13S, R04W, Sec. 34, N (S)				Acres:	12.0	
Location:	SOUTHERN END OF CARDIFF STATE BEACH AND WITHIN SAN ELIJO LAGOON ECOLOGICAL PRESERVE, SOUTH OF CARDIFF.						
Detailed Location:	MAIN COLONY IN NARROW STRIP ALONG EAST SIDE OF COUNTY HIGHWAY S21 (NOW SIGNED 101), IN A DUNE ABOUT 35 YARDS WIDE AND 250 YARDS LONG. SOUTH OF THE DUNE, PLANTS FOUND SPORADICALLY ALONG A USE-TRAIL FOR ABOUT 100 YARDS.						
Ecological:	MOST ROBUST PLANTS IN LOW SWALES AMONG DEAD ICEPLANT. OPEN, ELONGATED BACKDUNE WITH BROAD SANDY SPACES, RELATIVELY FEW WEEDS (CARPOBROTUS CONTROL EVIDENT). WITH NEMACAILIS DENUDEATA, CAMISSONIA CHEIRANTHIFOLIA, CAKILE, & ABRONIA UMBELLATA.						
General:	50-70 PLANTS IN 1991. 1200 PLANTS ESTIMATED IN 2001, WITH GREATEST CONCENTRATION ON W AND S ENDS OF DUNE. 29 PLANTS IN 2011. 42,600 PLANTS ESTIMATED IN 2012. 47,700 IN 2014. ~63,000 PLANTS ESTIMATED IN 2015. 157 IN SAMPLE PLOT IN 2016.						
Owner/Manager:	DPR, DFG						



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Occurrence No.	11	Map Index:	20143	EO Index:	9663	Element Last Seen:	1954-12-18
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2001-04-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04024 / -117.29576				Accuracy:	non-specific area	
UTM:	Zone-11 N3655787 E472383				Elevation (ft):		
PLSS:	T13S, R04W, Sec. 16 (S)				Acres:	292.0	
Location:	NEAR ENCINITAS.						
Detailed Location:	EXACT LOCATION NOT KNOWN; SITE MAPPED AT CNDDDB TO INCLUDE COAST ALONG CARDIFF AND ENCINITAS. SUTTLE SEARCHED AREA FROM BATIQUITOS LAGOON TO CARDIFF-BY-THE-SEA IN 2001.						
Ecological:	SAND BEACH ON COAST. SANDY OCEAN BLUFFS.						
General:	SITE BASED ON VAGUE 1928, 1933, AND 1954 COLLECTIONS FROM NEAR ENCINITAS. SUTTLE SEARCHED AREA IN 2001 AND FOUND NO PLANTS DUE TO LOSS OF HABITAT.						
Owner/Manager:	UNKNOWN						

Occurrence No.	12	Map Index:	20144	EO Index:	9664	Element Last Seen:	2016-05-09
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2016-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-31
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08366 / -117.31157				Accuracy:	specific area	
UTM:	Zone-11 N3660604 E470922				Elevation (ft):	10	
PLSS:	T12S, R04W, Sec. 33, SW (S)				Acres:	7.0	
Location:	SOUTH CARLSBAD STATE BEACH; JUST SOUTH OF MOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2015 DIGITAL DATA. IN 1991, SOME PLANTS AT SITE OF PARKING LOT UNDER CONSTRUCTION, A FEW NORTH OF THE LOT, 3 IN MEDIAN STRIP OF HIGHWAY, 2 EAST OF HWY IN BATIQUITOS LAGOON ER.						
Ecological:	SANDY DUNE LIKE SETTING WITH A BERM ON WESTERN BORDER PROTECTING AREA FROM RECREATIONAL BEACH FRONT. IN BARE SAND, IN STEEP ERODING SAND DUNE FACE NEAR WATER'S EDGE. VERY LOW COVER. ASSOCIATED WITH CAMISSONIOPSIS CHEIRANTHIFOLIA, ETC.						
General:	40 PLANTS IN 6/1991 BEFORE PARKING LOT CONSTRUCTION; 9 PLANTS OUTSIDE CONSTRUCTION AREA IN 7/1991. W SIDE OF HWY: 300+ PLANTS IN 2001, 44 IN 2014, 671 ESTIMATED IN 2015. E SIDE OF HWY: 4 PLANTS IN 2011, 63 ESTIMATED IN 2015, 7 IN 2016.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						



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Occurrence No.	42	Map Index:	93361	EO Index:	94464	Element Last Seen:	2015-03-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-03-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-08-30
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14475 / -117.33844				Accuracy:	specific area	
UTM:	Zone-11 N3667385 E468436				Elevation (ft):	12	
PLSS:	T12S, R04W, Sec. 7, S (S)				Acres:	2.0	
Location:	JUST EAST OF HUBBS SEA WORLD FISH HATCHERY, AGUA HEDIONDA LAGOON, CARLSBAD.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2015 KENTNER DIGITAL DATA.						
Ecological:	DEGRADED SANDY AREA NESTLED BETWEEN THE FISH HATCHERY, RAILROAD TRACKS AND LAGOON. ASSOCIATED WITH CARPOBROTUS EDULIS, RICINUS COMMUNIS, AND LOTUS SCOPARIUS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2007. 23 PLANTS OBSERVED IN 2015.						
Owner/Manager:	PVT-SDGE						

Occurrence No.	49	Map Index:	A6172	EO Index:	107928	Element Last Seen:	2015-03-24
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-03-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-14
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11363 / -117.32419				Accuracy:	specific area	
UTM:	Zone-11 N3663931 E469755				Elevation (ft):	20	
PLSS:	T12S, R04W, Sec. 20, SW (S)				Acres:	1.0	
Location:	SOUTH CARLSBAD STATE BEACH; APPROXIMATELY 0.1 AIR MILE WEST OF THE NORTH END OF SURFSIDE LANE.						
Detailed Location:	ON NARROW STRIP OF PLAND NORTH OF CARLSBAD STATE BEACH CAMPGROUND.						
Ecological:	NARROW STRIP OF VEGETATION ON A WEST-FACING SLOPE BETWEEN THE BEACH AND PARKING AREA. WITH DISTICHLIS SPICATA, CAKILE MARITIMA, PERITOMA ARBOREA, AND MIRABILIS LAEVIS VAR. CRASSIFOLIA.						
General:	100 PLANTS ESTIMATED IN 2015. PLANTS COULD POSSIBLY BE ENCOURAGED TO SPREAD WITH FENCING AND WEEDING.						
Owner/Manager:	DPR-SOUTH CARLSBAD SB						

Quercus dumosa				Element Code: PDFAG050D0			
Nuttall's scrub oak							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3
	State:	None				State:	S3
	Other:	Rare Plant Rank - 1B.1, BLM_S-Sensitive, IUCN_EN-Endangered, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive					
Habitat:	General:	CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.					
	Micro:	GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.					



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Occurrence No.	10	Map Index:	82363	EO Index:	1908	Element Last Seen:	2015-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13828 / -117.29393			Accuracy:	non-specific area		
UTM:	Zone-11 N3666656 E472585			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 15, NW (S)			Acres:	51.0		
Location:	EVANS POINT, ABOUT 0.5-1.2 AIR MILES NORTHWEST OF PALOMAR AIRPORT.						
Detailed Location:	10 POLYGONS MAPPED BY CNDDDB. NE POLYGON IS NONSPECIFIC, BASED ON 1992 ROBERTS COLLECTION FROM "EAST OF EVAN'S POINT, 0.6 KM ENE OF AGUA SURVEY MARKER." REMAINING POLYGONS ARE SPECIFIC, BASED ON 2008 DIGITAL DATA AND 1995 & 2010 MAPS.						
Ecological:	LOW STONY FOOTHILLS; SHALLOW SOIL. ASSOC W/ ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, RHUS INTEGRIFOLIA, YUCCA SCHIDIGERA, XYLOCOCCUS BICOLOR, HELIANTHEMUM, CEANOTHUS TOMENTOSUS, SALVIA MELLIFERA, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, ETC.						
General:	SE POLYGON: UNKNOWN NUMBER OF PLANTS SEEN IN 1992, 4 SEEN IN 1995, "UNCOMMON" IN 2008. 3 NW POLYGONS: <70 PLANTS IN 2003. 2010: 54 PLANTS SEEN IN 4 SW POLYGONS, 35 PLANTS SEEN IN 2 SE POLYGONS. SEEN IN 2013 AND 2015.						
Owner/Manager:	CNLM, CITY OF CARLSBAD, PVT						

Occurrence No.	11	Map Index:	31983	EO Index:	19141	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-11-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00837 / -117.23271			Accuracy:	1/5 mile		
UTM:	Zone-11 N3652238 E478263			Elevation (ft):	180		
PLSS:	T13S, R03W, Sec. 30 (S)			Acres:	0.0		
Location:	RANCHO SANTA FE, NORTH OF EL NIDO ROAD, SOUTHEAST OF JCT OF EL CAMINO REAL AND LA ORILLA.						
Detailed Location:	MAPPED NORTHEAST OF SAN DIEGUITO COUNTY PARK.						
Ecological:	NORTH-FACING SLOPES.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS SITE NAME IN "RARE PLANTS OF SAN DIEGO COUNTY" BY REISER.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	22	Map Index:	38332	EO Index:	33339	Element Last Seen:	1997-03-03
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-03-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-03-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07008 / -117.22120				Accuracy:	specific area	
UTM:	Zone-11 N3659077 E479352				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 06, SE (S)				Acres:	6.0	
Location:	NORTH OF LOS ENCINITOS, 1.4 MI ENE OF JCT ENCINITAS CREEK AND SANTA FE ROAD ON TOPO.						
Detailed Location:							
Ecological:	ASSOCIATED WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, DICHONDRA OCCIDENTALIS, & SELAGINELLA CINERASCENS.						
General:	1150 PLANTS IN 1997.						
Owner/Manager:	PVT						

Occurrence No.	25	Map Index:	21672	EO Index:	33526	Element Last Seen:	2015-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-29
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13655 / -117.26175				Accuracy:	specific area	
UTM:	Zone-11 N3666455 E475586				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 14, NE (S)				Acres:	102.0	
Location:	NORTHEAST OF JUNCTION OF PALOMAR AIRPORT ROAD AND EL CAMINO REAL.						
Detailed Location:	IN CANYONS ON BOTH SIDES OF FARADAY AVE. SEVERAL COLONIES MAPPED IN THE SE 1/4 SE 1/4 SEC 11, SOUTH 1/2 OF SEC 12, NORTH 1/2 OF SEC 13, AND NE 1/4 SEC 14. BASED ON A 1997 MESSINA MAP, 2008 CNLM DIGITAL DATA, & VEGETATION SURVEY COORDINATES.						
Ecological:	IN CIENEBA SANDY LOAM AND HUERHUERO LOAM SOILS WITH RHUS INTEGRIFOLIA, ADENOSTOMA FASCICULATUM, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA, ADOLPHIA CALIFORNICA, AND XYLOCOCCUS BICOLOR.						
General:	SEVERAL THOUSAND PLANTS ESTIMATED IN 1997. 21 PLANTS OBSERVED IN PART OF OCC IN 2000. 384 PLANTS OBSERVED IN 2007. SEEN IN 2010, 2013, & 2015. 1992 ROBERTS COLLECTION AND 2009 OVERSTREET COLLECTIONS ALSO ATTRIB HERE. INCL FORMER EO#87.						
Owner/Manager:	SDG COUNTY, CNLM						



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Occurrence No.	29	Map Index:	54029	EO Index:	54029	Element Last Seen:	2012-01-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-01-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02912 / -117.24616				Accuracy:	specific area	
UTM:	Zone-11 N3654542 E477012				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 24 (S)				Acres:	10.0	
Location:	IMMEDIATELY NORTHWEST OF MANCHESTER AVENUE, ABOUT 1.6 AIR MILES NORTHEAST OF JUNCTION WITH I-5.						
Detailed Location:	4 SOUTHEAST POLYGONS: 18 SCATTERED PATCHES MAPPED AS 4 POLYGONS BY CNDDB, WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 24. NORTHWEST POLYGON: MAPPED NEAR THE CENTER OF THE NW 1/4 OF SECTION 24 ACCORDING TO 2009 VEGCAMP COORDINATES.						
Ecological:	DENSE AND DECADENT ADENOSTOMA FASCICULATUM COVER. XYLOCOCCUS BICOLOR SCATTERED WITH SCRUB OAKS, BOTH QUERCUS DUMOSA AND Q. X ACUTIDENS. DENSE LEAF LITTER, HEAVY MOSS COVER. ASSOCIATED WITH HETEROMELES ARBUTIFOLIA, MIMULUS AURANTIACUS, ETC.						
General:	ABOUT 76 PLANTS OBSERVED IN 4 SE POLYGONS IN 2002. CNLM PROPERTY (INCLUDES NW POLYGON): ~500 PLANTS IN 1996, ~339 IN 2008. NW POLYGON: 5% COVER OF QUERCUS DUMOSA IN 2009. UNKNOWN NUMBER SEEN IN 2011 & 2012. INCLUDES FORMER OCC #36.						
Owner/Manager:	PVT, CNLM-MANCHESTER PRESERVE						

Occurrence No.	30	Map Index:	54030	EO Index:	54030	Element Last Seen:	2013-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-11-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11188 / -117.2782				Accuracy:	specific area	
UTM:	Zone-11 N3663724 E474045				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 23, SW (S)				Acres:	20.0	
Location:	SOUTH OF CASSIA ROAD AND POINSETTIA LANE, BOTH SIDES OF AMBROSIA LANE, NORTH OF BATIQUITOS LAGOON.						
Detailed Location:	4 POLYGONS MAPPED ACCORDING TO CNDDB. 2 NE POLYGONS ARE WITHIN POINSETTIA PLACE PRESERVE, MAPPED ACCORDING TO A 2011 HELIX MAP. 2 W POLYGONS ARE BASED ON 2016 VEGETATION SURVEY DIGITAL DATA.						
Ecological:	SUMAC CHAPARRAL; SOUTHERN MARITIME CHAPARRAL INTERFACE WITH RHUS INTEGRIFOLIA, ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, MALOSMA LAURINA, SALVIA MELLIFERA, HETEROMELES ARBUTIFOLIA, ERIOGONUM FASCICULATUM, ETC. SANDY SOIL, W-FACING SLOPE.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN THIS VICINITY IN 1998 AND 2003. 147 PLANTS IN 2 NE POLYGONS IN 2004. LESS THAN 1% COVER SEEN IN 2 W POLYGONS IN 2013. 1992 ROBERTS COLLECTION ALSO ATTRIBUTED TO THIS OCCURRENCE. INCLUDES FORMER OCC #134.						
Owner/Manager:	PVT						



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Occurrence No.	31	Map Index:	54031	EO Index:	54031	Element Last Seen:	2014-08-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2014-08-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03195 / -117.25862				Accuracy:	specific area	
UTM:	Zone-11 N3654859 E475849				Elevation (ft):	240	
PLSS:	T13S, R04W, Sec. 23, NE (S)				Acres:	21.0	
Location:	WEST SIDE OF LUX CANYON; BETWEEN CREST DRIVE AND S EL CAMINO REAL, FROM 0.1 TO 0.7 AIR MILE SOUTH OF SANTA FE DRIVE.						
Detailed Location:	4 POLYGONS MAPPED BY CNDDDB. N-MOST POLYGON IS NON-SPECIFIC, MAPPED TO ENCOMPASS PARCEL WHERE PLANTS WERE SEEN. REMAINING POLYGONS ARE SPECIFIC, BASED ON A 1998 DUDEK MAP AND 2012 & 2014 MACGREGOR MAPS.						
Ecological:	SOUTHERN MIXED CHAPARRAL. COASTAL SAGE SCRUB UNDER CANOPY OF EUCALYPTUS. ASSOC W/ ADENOSTOMA FASCICULATUM, RHAMNUS ILICIFOLIA, ARTEMISIA CALIFORNICA, ACMISPON GLABER, SALVIA MELLIFERA, CORETHROGYNE FLAGINIFOLIA, BACCHARIS VANESSAE, ETC.						
General:	ONE PLANT SEEN IN S-MOST POLYGON IN 1998. UNKNOWN NUMBER OF PLANTS SEEN IN N-MOST POLYGON IN 2008. 27 PLANTS SEEN IN 2ND N-MOST POLYGON IN 2012. 43 PLANTS IN 2ND S-MOST POLYGON IN 2014; HYBRIDS ALSO AT SITE. INCLUDES FORMER OCC #85.						
Owner/Manager:	PVT						

Occurrence No.	32	Map Index:	54036	EO Index:	54036	Element Last Seen:	1999-03-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-03-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-19
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13024 / -117.28874				Accuracy:	specific area	
UTM:	Zone-11 N3665763 E473066				Elevation (ft):	290	
PLSS:	T12S, R04W, Sec. 15, SW (S)				Acres:	1.8	
Location:	HIEATT PROPERTY, JUST NORTH OF THE WEST END OF PALOMAR AIRPORT, EAST OF SAN DIEGO.						
Detailed Location:	SOUTH OF DIRT ROAD. FOUND IN THE NORTHERN PORTION OF PROPERTY.						
Ecological:	FOUND WITHIN SOUTHERN MARITIME CHAPARRAL. THE RARE DICHONDRA OCCIDENTALIS ALSO OCCURS IN THIS VICINITY.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1981 AND 1999.						
Owner/Manager:	PVT						



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Occurrence No.	35	Map Index:	54051	EO Index:	54051	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02162 / -117.19902				Accuracy:	1/5 mile	
UTM:	Zone-11 N3653702 E481412				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 28 (S)				Acres:	0.0	
Location:	IN A CANYON SOUTH OF LA FREMONTIA BY RANCHO SANTA FE.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED SOUTH OF LA FREMONTIA BY CNDDDB.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS SITE NAME IN C. REISER'S "RARE PLANTS OF SAN DIEGO COUNTY". NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	78	Map Index:	82460	EO Index:	83472	Element Last Seen:	2009-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.0092 / -117.24674				Accuracy:	non-specific area	
UTM:	Zone-11 N3652334 E476953				Elevation (ft):	50	
PLSS:	T13S, R04W, Sec. 25, S (S)				Acres:	57.0	
Location:	SOUTH SIDE OF SAN ELIJO LAGOON ER, NORTH OF SANTA VICTORIA BETWEEN SANTA CARINA AND EL CAMINO REAL.						
Detailed Location:	5 SOUTHERN POLYGONS MAPPED ACCORDING TO A 2013 MAP FROM THE CITY OF SOLANA BEACH. NORTHERN POLYGON MAPPED ACCORDING TO 1991 DESCRIPTIONS: "S OF TRAIL BETW EL CAMINO REAL AND SANTA HELENA" & "ALONG TRAIL BETW SANTA HELENA AND SANTA CARINA."						
Ecological:	DRY ALLUVIAL SLOPES DERIVED FROM SANDSTONE AND CONGLOMERATE, SANDY SOIL WITH COBBLES; COASTAL SAGE SCRUB WITH MANY CHAPARRAL ELEMENTS.						
General:	NOTED AS UNCOMMON IN 2004. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008/2009. NORTHERN POLYGON IS BASED ON TWO 1991 WELKER COLLECTIONS.						
Owner/Manager:	SDG COUNTY, PVT?						



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Occurrence No.	79	Map Index:	B1517	EO Index:	83474	Element Last Seen:	2017-11-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-11-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02148 / -117.20863				Accuracy:	80 meters	
UTM:	Zone-11 N3653687 E480515				Elevation (ft):	185	
PLSS:	T13S, R03W, Sec. 29, NE (S)				Acres:	5.0	
Location:	RANCHO SANTA FE, NEAR CORNER OF LA GRANADA AND MIMOSA ROADS, 2.3 KM SOUTHWEST OF SAN DIEGUITO RESERVOIR DAM.						
Detailed Location:	85 M SOUTH OF LA GRANADA AND 19 M EAST OF MIMOSA PLACE. MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 29 AROUND 2007 BRAMLET COORDINATES/DESCRIPTION AND 2017 BURGE COORDINATES.						
Ecological:	GENTLE, E-FACING HILLSIDE IN SCRUB OAK CHAPARRAL. ASSOCIATED WITH XYLOCOCCUS BICOLOR, RHUS INTEGRIFOLIA, HETEROMELES ARBUTIFOLIA, MIMULUS AURANTIACUS, ADENOSTOMA FASCICULATUM, RHAMNUS CROCEA, BERBERIS PINNATA, AND LONICERA SUBSPICATA.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 1992 AND 2007. PLANTS NOTED AS "LOCALLY ABUNDANT" IN 2017.						
Owner/Manager:	UNKNOWN						

Occurrence No.	80	Map Index:	82468	EO Index:	83476	Element Last Seen:	2006-11-30
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2006-11-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-05-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01572 / -117.20903				Accuracy:	non-specific area	
UTM:	Zone-11 N3653049 E480476				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 29, E (S)				Acres:	19.0	
Location:	EWING PRESERVE IN RANCHO SANTE FE, SOUTHEAST SIDE OF LINEA DEL CIELO, ABOUT 0.5 MILE NORTHWEST OF OSUNA VALLEY.						
Detailed Location:	4 E POLYS ARE SPECIFIC; SEVERAL COLONIES FOUND ON PVT PROPERTY EXTENDING THRU EWING PRESERVE. W POLY IS NONSPECIFIC; MAPPED AS BEST GUESS BY CNDDB ACC TO COLLECTION LOCALITY "EWING PRESERVE, NARROW NW/SE RUNNING CYN JUST N OF LA SENCILLA."						
Ecological:	SOUTHERN MARITIME CHAPARRAL ON SANDSTONE SUBSTRATE. SHALLOW MULCH OF DECAYED LEAF LITTER UNDER TREES AND SHRUBS ON NE-FACING SLOPE. MIXED CHAPARRAL WITH SCRUB OAK, TOYON, LEMONADE BERRY, AND CHAMISE. MATURE EUCALYPTUS TREES AT EDGE.						
General:	2006: 129 PLANTS SEEN IN 4 E POLYS, UNK # OBSERVED IN W POLY. 1963 THORNE COLLECTIONS FROM "~0.5 MI W OF RANCHO SANTA FE, JUST BEYOND JUNCTION OF LA SENCILLA & SKYLINE DRIVE" ATTRIB HERE. EWING PRESERVE OWNED BY RANCHO SANTA FE FOUNDATION.						
Owner/Manager:	PVT						



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Occurrence No.	81	Map Index:	82472	EO Index:	83490	Element Last Seen:	2015-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-08
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00537 / -117.16077				Accuracy:	specific area	
UTM:	Zone-11 N3651894 E484982				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 35, N (S)				Acres:	8.0	
Location:	CANYONS ABOVE LUSARDI CREEK, ABOUT 1 AIR MILE ENE OF FAIRBANKS LAKE.						
Detailed Location:	WITHIN LUSARDI CREEK OPEN SPACE AND BLACK MTN OPEN SPACE PARK. 3 POLYGONS MAPPED IN THE NORTH 1/2 OF SECTION 35 AND SW 1/4 OF SE 1/4 OF SECTION 26 ACCORDING TO 2009 VEGETATION SURVEY COORDS, 2013 SDG CO DIGITAL DATA, AND 2015 MORSE COORDS.						
Ecological:	LOAMY SAND IN SOUTHERN MARITIME CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, BROMUS DIANDRUS, B. HORDEACEUS, ERODIUM BOTRYS, BRACHYPODIUM DISTACHYON, AVENA SP., RHUS INTEGRIFOLIA, VULPIA MYUROS, ETC.						
General:	N POLYGON: 15 PLANTS OBSERVED IN 2001, 3 PLANTS OBSERVED IN 2008. S POLYGON: 15% COVER OF QUDU OBSERVED IN >5 ACRES IN 2009. W POLYGON: UNK # SEEN IN 2015. 2006 COLLECTION BY HAMMER ATTRIBUTED TO THIS OCCURRENCE.						
Owner/Manager:	SDG COUNTY, CITY OF SAN DIEGO						

Occurrence No.	82	Map Index:	82475	EO Index:	83494	Element Last Seen:	1992-10-20
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	1992-10-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-05-04
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11870 / -117.28439				Accuracy:	non-specific area	
UTM:	Zone-11 N3664483 E473468				Elevation (ft):	171	
PLSS:	T12S, R04W, Sec. 22, N (S)				Acres:	48.0	
Location:	CARLSBAD, SOUTH OF AND ALONG PALOMAR OAKS ROAD, 3 KM ESE OF JUNCTION OF PALOMAR AIRPORT ROAD AND I-5.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG SOUTH SIDE OF PALOMAR OAKS WAY AND PALOMAR OAKS COURT (ROADS NOT SHOWN ON TOPO).						
Ecological:	SCRUB OAK CHAPARRAL AND SOUTHERN MIXED CHAPARRAL. NORTH-FACING SLOPE. ASSOCIATED WITH HETEROMELES ARBUTIFOLIA, RHUS INTEGRIFOLIA, ADENOSTOMA FASCICULATUM, AND LONICERA SUBSPICATA.						
General:	REPORTED AS LOCALLY ABUNDANT (~2000 INDIVIDUALS) IN 1992. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1992 COLLECTION BY ROBERTS. NEEDS MAP DETAIL.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	83	Map Index:	92798	EO Index:	83503	Element Last Seen:	2010-03-09
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11837 / -117.26594				Accuracy:	specific area	
UTM:	Zone-11 N3664441 E475189				Elevation (ft):	260	
PLSS:	T12S, R04W, Sec. 23, E (S)				Acres:	48.0	
Location:	CARLSBAD: RANCHO LA COSTA GREENS CNLM PRESERVE, E SIDE OF EL CAMINO REAL, FROM 0.5-1.1 AIR MI S OF PALOMAR AIRPORT RD.						
Detailed Location:	MAPPED ACCORDING TO A 2008 CNLM MAP.						
Ecological:	NE-FACING SLOPE IN SOUTHERN MARITIME CHAPARRAL WITH ELEMENTS OF COASTAL SAGE SCRUB. SOIL DERIVED FROM SANDSTONE. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, XYLOCOCCUS, COMAROSTAPHYLIS, AND ADOLPHIA CALIFORNICA.						
General:	"VERY COMMON" IN 2003. "FARILY COMMON" IN 2007. ~8,900 PLANTS ESTIMATED IN 2008 BETWEEN THIS EO AND EO #135, THOUGH CNLM BELIEVES THIS TO BE A HIGH ESTIMATE. LESS THAN 1% TO 36% COVER OF QUERCUS DUMOSA SEEN IN 2010.						
Owner/Manager:	CNLM						

Occurrence No.	84	Map Index:	82480	EO Index:	83504	Element Last Seen:	1992-12-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-12-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-05-04
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07014 / -117.26135				Accuracy:	1/5 mile	
UTM:	Zone-11 N3659093 E475604				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 02, SE (S)				Acres:	0.0	
Location:	GREEN VALLEY, ARROYO LA COSTA ALONG EL CAMINO REAL, 2 KM SSE OF EAST END OF BATIQUITOS LAGOON.						
Detailed Location:	EXACT LOCATION UNKNOWN, MAPPED BY CNDDB AS A BEST GUESS 2 KM SSE OF BATIQUITOS LAGOON; THIS PUTS IT APPROXIMATELY AT JCT OF EL CAMINO REAL AND LEUCADIA BLVD.						
Ecological:	W-FACING SLOPE IN CHAPARRAL WITH ADENOSTOMA FASCICULATUM, RHUS INTEGRIFOLIA, AND YUCCA SCHIDIGERA IN SANDY-LOAM SOIL.						
General:	REPORTED AS "OCCASIONAL" IN 1992. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1992 COLLECTION BY ROBERTS. NEEDS MAP DETAIL.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	86	Map Index:	82486	EO Index:	83511	Element Last Seen:	2009-07-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-07-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-26
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00255 / -117.26046				Accuracy:	specific area	
UTM:	Zone-11 N3651600 E475669				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 35, N (S)				Acres:	10.0	
Location:	SAN ELIJO LAGOON ECOLOGICAL RESERVE, SOUTH OF SAN ELIJO LAGOON AND WEST OF I-5, SOLANA BEACH.						
Detailed Location:	8 POLYGONS MAPPED IN THE NORTH 1/2 OF SECTION 35 ACCORDING TO MAPS FROM 2004, 2008, AND 2013.						
Ecological:	STAND HAS LARGE OPENINGS, POTENTIALLY DUE TO EROSION. CRYPTOGAMIC CRUST IS PATCHY. ASSOC W/ ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, AGAVE SHAWII, CARDIONEMA RAMOSISSIMUM, CEANOTHUS VERRUCOSUS, ERIOGONUM FASCICULATUM, ETC.						
General:	14 PLANTS OBSERVED IN 2003. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2009.						
Owner/Manager:	SDG COUNTY, DFG						

Occurrence No.	88	Map Index:	A2977	EO Index:	83513	Element Last Seen:	2010-04-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-04-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-12
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13377 / -117.22605				Accuracy:	non-specific area	
UTM:	Zone-11 N3666140 E478915				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 18, N (S)				Acres:	91.0	
Location:	NORTH OF PALOMAR AIRPORT ROAD BETWEEN MELROSE DRIVE AND RANCHO SANTA FE ROAD, SOUTHEAST OF MT MARRON.						
Detailed Location:	2 POLYGONS. W POLYGON IS SPECIFIC: OPEN CLAY LENS LOCATED SEVERAL HUNDRED FEET S OF THE SW CORNER OF A RAISED PAVED PARKING LOT, DIRT ACCESS RD ABOUT 25 FEET TO THE NORTH OF THE POPULATION. E POLYGON IS NON-SPECIFIC, BASED ON 1995 REPORT.						
Ecological:	OPEN CLAY LENS (CRACKED SOILS) IN COASTAL SAGE SCRUB DOMINATED BY RHUS INTEGRIFOLIA. THE RARE ACANTHOMINTHA ILICIFOLIA FOUND JUST BELOW CANOPY OF QUERCUS DUMOSA. DOMINATED BY NONNATIVE ANNUAL GRASSES, SPECIFICALLY BRACHYPODIUM DISTACHYON.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN EASTERN POLYGON IN 1995. WESTERN POLYGON: SEEN IN VICINITY IN 1997, UNKNOWN NUMBER OF PLANTS OBSERVED IN 2010.						
Owner/Manager:	PVT						



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Occurrence No.	126	Map Index:	92993	EO Index:	94146	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-01
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08986 / -117.24448				Accuracy:	specific area	
UTM:	Zone-11 N3661275 E477184				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 36, NE (S)				Acres:	2.0	
Location:	LOWER BOX CANYON; ALONG SAN MARCOS CREEK APPROXIMATELY 2.4 AIR MILES SOUTHWEST OF SAN MARCOS DAM.						
Detailed Location:	WITHIN RANCHO LA COSTA PRESERVE. 2 POLYGONS MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 36 ACCORDING TO A 2010 CNLM MAP.						
Ecological:							
General:	18 PLANTS OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE #136 IN 2010.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	127	Map Index:	92995	EO Index:	94147	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-01
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08377 / -117.24520				Accuracy:	specific area	
UTM:	Zone-11 N3660601 E477115				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 36, SE (S)				Acres:	4.0	
Location:	LA COSTA ROMERIA PARK; SOUTH OF LA COSTA AVE, APPROXIMATELY 2.7 AIR MILES SOUTHWEST OF SAN MARCOS DAM.						
Detailed Location:	WITHIN LA COSTA CANYON OPEN SPACE. 2 POLYGONS MAPPED IN THE EAST 1/2 OF THE SE 1/4 OF SECTION 36.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. THE RARE COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA ALSO OCCURS HERE.						
General:	59 PLANTS OBSERVED IN 2010.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	128	Map Index:	92997	EO Index:	94149	Element Last Seen:	2011-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-01
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04530 / -117.14679				Accuracy:	specific area	
UTM:	Zone-11 N3656318 E486293				Elevation (ft):	600	
PLSS:	T13S, R03W, Sec. 13, NW (S)				Acres:	1.0	
Location:	ALONG DRAINAGE JUST NORTH OF SAN DIEGUITO RIVER, APPROXIMATELY 1 AIR MILE WEST OF LAKE HODGES DAM.						
Detailed Location:	2 POLYGONS MAPPED IN THE EAST 1/2 OF THE NW 1/4 OF SECTION 13.						
Ecological:	SOUTHERN MIXED CHAPARRAL.						
General:	"A FEW INDIVIDUALS" SEEN DURING 2008/2011 SURVEYS.						
Owner/Manager:	PVT						



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Occurrence No.	129	Map Index:	92998	EO Index:	94150	Element Last Seen:	2011-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-01
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04036 / -117.15662				Accuracy:	non-specific area	
UTM:	Zone-11 N3655772 E485375				Elevation (ft):	100	
PLSS:	T13S, R03W, Sec. 14, SE (S)				Acres:	42.0	
Location:	SANTA FE VALLEY PARK; JUST NORTH OF WHERE BING CROSBY BLVD CROSSES THE SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED BY CNDDDB AROUND HABITAT MANAGEMENT AREA 3 AS DESCRIBED IN A HABITAT MANAGEMENT PLAN REPORT FOR THE CROSBY AT RANCHO SANTA FE.						
Ecological:	OTHER RARE SPECIES IN THIS AREA INCLUDE ADOLPHIA CALIFORNICA, FEROCACTUS VIRIDESCENS, AND IVA HAYESIANA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED. DATE OF OBSERVATION UNCLEAR; LIKELY 2011.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	130	Map Index:	92999	EO Index:	94151	Element Last Seen:	2018-04-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02549 / -117.17419				Accuracy:	non-specific area	
UTM:	Zone-11 N3654126 E483733				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 22, S (S)				Acres:	89.0	
Location:	SANTA FE VALLEY PARK AND IN DRAINAGE EXTENDING SOUTH OF DEL DIOS HIGHWAY NEAR EL CAMINO DEL NORTE, RANCHO SANTA FE.						
Detailed Location:	SEVERAL POLYGONS MAPPED BY CNDDDB. E-MOST AND 2ND W-MOST POLYGONS ARE NON-SPECIFIC, MAPPED AROUND PROJECT SURVEY AREAS. REMAINING POLYGONS ARE BASED ON 2003 ELVIN COORDINATES AND 2018 HERMAN COORDINATES.						
Ecological:	OTHER RARE SPECIES IN THIS AREA INCLUDE ADOLPHIA CALIFORNICA, ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA, IVA HAYESIANA, ARTEMISIA PALMERI, JUNCUS ACUTUS SSP. LEOPOLDII, COMAROSTAPHYLIS DIVERSIFOLIA SSP DIVERSIFOLIA, & CEANOTHUS VERRUCOSUS.						
General:	SEEN IN 2ND W-MOST POLYGON IN 2000. LOCALLY COMMON IN W-MOST POLYGON IN 2003. SEEN IN E-MOST POLYGON IN 2011. AT LEAST 18 PLANTS SEEN IN 5 SMALL MIDDLE POLYGONS IN 2018. INCLUDES FORMER OCCURRENCE #131.						
Owner/Manager:	SDG COUNTY, PVT						



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Occurrence No.	132	Map Index:	93002	EO Index:	94153	Element Last Seen:	2009-04-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00269 / -117.23748				Accuracy:	specific area	
UTM:	Zone-11 N3651610 E477815				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 31, NW (S)				Acres:	1.0	
Location:	NORTH OF HIGHLAND DRIVE BETWEEN EL CAMINO REAL AND SAN MARIO DR, SOLANA BEACH.						
Detailed Location:	2 POLYGONS MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 31.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. THE RARE CEANOTHUS VERRUCOSUS ALSO OCCURS IN THIS VICINITY.						
General:	PRESUMABLY OBSERVED SOMETIME IN 2008/2009.						
Owner/Manager:	CITY OF SOLANA BEACH						

Occurrence No.	133	Map Index:	93003	EO Index:	94154	Element Last Seen:	2009-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10803 / -117.28899				Accuracy:	specific area	
UTM:	Zone-11 N3663300 E473035				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 27, NW (S)				Acres:	2.0	
Location:	NORTH OF AVIARA PARKWAY, APPROXIMATELY 0.4 AIR MILE ESE OF ITS INTERSECTION WITH POINSETTIA LANE.						
Detailed Location:	MAPPED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 27 ACCORDING TO A 2011 DUDEK AND ASSOCIATES MAP.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. THE RARE CEANOTHUS VERRUCOSUS ALSO OCCURS IN THIS VICINITY.						
General:	APPROXIMATELY 16 PLANTS OBSERVED DURING SURVEYS CONDUCTED IN 2006, 2007, AND 2009.						
Owner/Manager:	PVT						

Occurrence No.	135	Map Index:	93008	EO Index:	94159	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11456 / -117.25359				Accuracy:	specific area	
UTM:	Zone-11 N3664015 E476341				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 24, SW (S)				Acres:	4.0	
Location:	SOUTH OF POINSETTIA LANE, APPROXIMATELY 0.3 AIR MILE SOUTHWEST OF INTERSECTION WITH EL FUERTE STREET.						
Detailed Location:	WITHIN RANCHO LA COSTA HCA, THE GREENS. MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 24 ACCORDING TO A 2008 CNLM MAP.						
Ecological:	THE RARE COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA ALSO OCCURS IN THIS VICINITY.						
General:	APPROXIMATELY 8,900 PLANTS ESTIMATED IN 2008 BETWEEN THIS OCCURRENCE AND OCCURRENCE #83, THOUGH CNLM BELIEVES THIS TO BE A HIGH ESTIMATE.						
Owner/Manager:	CNLM						



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Occurrence No.	136	Map Index:	93010	EO Index:	94161	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10482 / -117.25921				Accuracy:	specific area	
UTM:	Zone-11 N3662937 E475813				Elevation (ft):	150	
PLSS:	T12S, R04W, Sec. 25, NW (S)				Acres:	1.0	
Location:	EAST OF GOLF COURSE AT LA COSTA COUNTRY CLUB, ABOUT 0.4 AIR MILE ENE OF THE INTERSECTION OF EL CAMINO REAL AND ALGA RD.						
Detailed Location:	WITHIN RANCHO LA COSTA HCA, THE GREENS. MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 25 ACCORDING TO A 2010 CNLM MAP.						
Ecological:	THE RARE BRODIAEA FILIFOLIA ALSO OCCURS IN THIS VICINITY.						
General:	18 PLANTS OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE #126 IN 2010.						
Owner/Manager:	CNLM						

Occurrence No.	137	Map Index:	93013	EO Index:	94165	Element Last Seen:	2005-05-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-05-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-09
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08124 / -117.27193				Accuracy:	specific area	
UTM:	Zone-11 N3660326 E474620				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 35, SW (S)				Acres:	7.0	
Location:	NORTHWEST SIDE OF GREEN VALLEY, APPROXIMATELY 0.3 AIR MILE SOUTHWEST OF INTERSECTION OF LA COSTA AVE AND EL CAMINO REAL.						
Detailed Location:	4 POLYGONS MAPPED IN THE SE 1/4 OF THE SW 1/4 OF SECTION 35 ACCORDING TO A 2005 MAP FROM DUDEK & ASSOCIATES.						
Ecological:	THE RARE ADOLPHIA CALIFORNICA, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, AND CORETHROGYNE FILAGINIFOLIA VAR. LINIFOLIA ALSO OCCUR HERE.						
General:	AT LEAST 16 PLANTS OBSERVED IN 2005. POPULATION LIKELY EXTENDS FURTHER WEST BASED ON AN ADDITIONAL 2005 REPORT FROM DUDEK & ASSOCIATES FOR THE ADJACENT PARCEL, BUT NO MAP DETAIL FOR QUERCUS DUMOSA PROVIDED.						
Owner/Manager:	PVT						



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Occurrence No.	138	Map Index:	93016	EO Index:	94169	Element Last Seen:	2003-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02465 / -117.27344				Accuracy:	specific area	
UTM:	Zone-11 N3654053 E474463				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 22, SE (S)				Acres:	1.0	
Location:	EAST SIDE OF I-5 JUST SOUTH OF INTERSECTION WITH BIRMINGHAM DRIVE, NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 22.						
Ecological:	SOUTHERN MARITIME CHAPARRAL.						
General:	3 PLANTS OBSERVED IN 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	139	Map Index:	93018	EO Index:	94171	Element Last Seen:	2003-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-02
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01781 / -117.27056				Accuracy:	specific area	
UTM:	Zone-11 N3653293 E474729				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 26, NW (S)				Acres:	2.0	
Location:	EAST SIDE OF I-5, FROM 0.5 TO 0.75 AIR MILE NORTHWEST OF MANCHESTER AVE INTERSECTION, NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	3 POLYGONS MAPPED IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 26.						
Ecological:	SOUTHERN MARITIME CHAPARRAL.						
General:	11 PLANTS OBSERVED IN 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	140	Map Index:	93026	EO Index:	94178	Element Last Seen:	2003-07-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-15
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.18630 / -117.19410				Accuracy:	1/5 mile	
UTM:	Zone-11 N3671958 E481906				Elevation (ft):	700	
PLSS:	T11S, R03W, Sec. 28, SE (S)				Acres:	0.0	
Location:	HILLS SOUTH OF BUENA CREEK, BETWEEN BUENA AND TWIN OAKS.						
Detailed Location:	LOCATED IMMEDIATELY OUTSIDE PROPOSED PROJECT BOUNDARY, YET WITHIN PROJECT STUDY AREA, ON NW EDGE. EXACT LOCATION UNKNOWN, MAPPED BY CNDDB ON THE NORTHWESTERN EDGE OF PROJECT SITE SHOWN ON A 2003 CHURCH MAP.						
Ecological:	SOUTHERN MIXED CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, AND XYLOCOCCUS BICOLOR.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2003.						
Owner/Manager:	PVT						



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Occurrence No.	141	Map Index:	93032	EO Index:	94183	Element Last Seen:	1997-07-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-07-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-02
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23721 / -117.37060				Accuracy:	80 meters	
UTM:	Zone-11 N3677645 E465472				Elevation (ft):	280	
PLSS:	T11S, R05W, Sec. 11, NE (S)				Acres:	0.0	
Location:	WIRE MOUNTAIN, JUST EAST OF TULEY BENCHMARK, ABOUT 1.6 AIR MILES NE OF FALLBROOK JUNCTION, CAMP PENDLETON MCB.						
Detailed Location:	MAPPED NEAR THE CENTER OF THE NE 1/4 OF SECTION 11 ACCORDING TO CAMP PENDLETON DIGITAL DATA.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1997.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	142	Map Index:	93033	EO Index:	94184	Element Last Seen:	2015-02-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-02-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-08
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22670 / -117.37170				Accuracy:	80 meters	
UTM:	Zone-11 N3676481 E465365				Elevation (ft):	200	
PLSS:	T11S, R05W, Sec. 11, SE (S)				Acres:	0.0	
Location:	WIRE MOUNTAIN, APPROXIMATELY 1.3 AIR MILES ENE OF FALLBROOK JUNCTION, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	MAPPED MOSTLY WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 11 ACCORDING TO CAMP PENDLETON DIGITAL DATA.						
Ecological:	ON MESA WITH SCATTERED VERNAL POOLS, S-FACING EDGE OF CANYON. COASTAL SAGE SCRUB WITH RHUS INTEGRIFOLIA, ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, AND MALOSMA LAURINA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1997. ONLY 1 VERY LARGE SPREADING SHRUB PRESENT IN 2015.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	143	Map Index:	93048	EO Index:	94199	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16619 / -117.29067				Accuracy:	specific area	
UTM:	Zone-11 N3669748 E472896				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 03, NW (S)				Acres:	1.0	
Location:	SOUTHWEST OF CALAVERA LAKE, ABOUT 1.5 AIR MILES NORTHEAST OF THE INTERSECTION OF TAMARACK AVE AND EL CAMINO REAL.						
Detailed Location:	2 POLYGONS MAPPED IN THE NORTH 1/2 OF THE NW 1/4 OF SECTION 3 ACCORDING TO A 2012 CNLM MAP.						
Ecological:							
General:	NO PLANTS FOUND IN 2006-2008, 1 PLANT FOUND IN 2009-2010; REPORT MAP SHOWS AT LEAST 2 COLONIES SEEN, ORIGINAL OBSERVATION DATES UNKNOWN.						
Owner/Manager:	CNLM						

Occurrence No.	168	Map Index:	A2555	EO Index:	104143	Element Last Seen:	2014-06-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01769 / -117.10995				Accuracy:	specific area	
UTM:	Zone-11 N3653253 E489731				Elevation (ft):	540	
PLSS:	T13S, R02W, Sec. 29, NW (S)				Acres:	1.0	
Location:	EAST OF DOVE CANYON ROAD BETWEEN RANCHO BERNARDO RD AND CAMINO DEL NORTE, RANCHO BERNARDO.						
Detailed Location:	MAPPED IN THE SE 1/4 OF THE NW 1/4 OF SECTION 29.						
Ecological:	EUC RIPARIAN.						
General:	12 PLANTS OBSERVED IN 2014. SURVEYED FOR THE ARTESIAN SUBSTATION EXPANSION AND TIE LINE 6939 PROJECT.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	169	Map Index:	B1505	EO Index:	104145	Element Last Seen:	2010-03-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-03-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16716 / -117.28227				Accuracy:	non-specific area	
UTM:	Zone-11 N3669854 E473682				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 3, NE (S)				Acres:	75.0	
Location:	CALAVERA HEIGHTS PRESEVE AND LAKE CALAVERA PRESERVE.						
Detailed Location:	2 POLYGONS. NE POLYGON IS BASED ON 2016 VEGETATION SURVEY DIGITAL DATA. SW POLYGON IS BASED ON AN OBSERVATION FROM "CALAVERA HILL"; MAPPED BY CNDDB AS BEST GUESS AROUND CERRO DE LA CALAVERA WITHIN CALAVERA HEIGHTS PRESERVE.						
Ecological:	CHAPARRAL. ASSOCIATED WITH HELIANTHEMUM SCOPARIUM, HYPOCHAERIS GLABRA, ADENOSTOMA FASCICULATUM, VULPIA MYUROS, SALVIA MELLIFERA, RHUS INTEGRIFOLIA, XYLOCOCCUS BICOLOR, DISTICHLIS SPICATA, AGROSTIS PALLENS, MIMULUS AURANTIACUS, ETC.						
General:	1% COVER OF QUERCUS DUMOSA SEEN IN NE POLYGON IN 2010. SW POLYGON IS BASED ON A PLANT CHECKLIST COMPILED BY DILLANE IN 2013; EXACT LOCATION OF PLANTS AND DATE OF OBSERVATION ARE UNKNOWN.						
Owner/Manager:	DFG, CITY OF CARLSBAD						

Occurrence No.	172	Map Index:	A2982	EO Index:	104602	Element Last Seen:	2004-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-13
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05769 / -117.12038				Accuracy:	2/5 mile	
UTM:	Zone-11 N3657689 E488762				Elevation (ft):		
PLSS:	T13S, R02W, Sec. 7 (S)				Acres:	280.0	
Location:	WEST SHORE OF LAKE HODGES, BETWEEN DEL DIOS AND LAKE HODGES DAM.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE VICINITY OF SURVEY AREA INDICATED ON A 2004 FLEURY MAP.						
Ecological:	SOUTHERN MIXED CHAPARRAL HABITAT. ASSOCIATED WITH ADENOSTOMA FASCICULATUM AND ARCTOSTAPHYLOS SPP.						
General:	PLANTS DESCRIBED AS "DOMINANT IN SOUTHERN MIXED CHAPARRAL HABITAT" IN THIS AREA IN 2004. MAP DETAIL IS NEEDED FOR THIS SITE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	173	Map Index:	A2983	EO Index:	104603	Element Last Seen:	2001-10-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-10-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04096 / -117.13454				Accuracy:	non-specific area	
UTM:	Zone-11 N3655836 E487437				Elevation (ft):	200	
PLSS:	T13S, R02W, Sec. 18, W (S)				Acres:	64.0	
Location:	NEAR DEL DIOS HIGHWAY/SAN DIEGUITO RIVER, JUST WEST OF LAKE HODGES DAM.						
Detailed Location:	2 POLYGONS. NORTHERN POLYGON IS NON-SPECIFIC, MAPPED AS BEST GUESS BY CNDDDB AROUND SURVEY AREA INDICATED ON A 1999 MAP BY MERKEL & ASSOCIATES, INC. SOUTHERN POLYGON IS BASED ON VEGETATION SURVEY COORDINATES.						
Ecological:	SOUTHERN MIXED CHAPARRAL DOMINATED BY QUERCUS DUMOSA, RHUS INTEGRIFOLIA, AND MALOSMA LAURINA. ASSOCIATED W/ CEANOTHUS VERRUCOSUS, XYLOCOCCUS BICOLOR, BROMUS MADRITENSIS, ADENOSTOMA FASCICULATUM, BRASSICA NIGRA, GASTRIDUM VENTRICOSUM, ETC.						
General:	NORTHERN POLYGON: SEVERAL PATCHES OF CHAPARRAL DOMINATED BY QUERCUS DUMOSA OBSERVED IN 1999. SOUTHERN POLYGON: LESS THAN 1% COVER OF QUERCUS DUMOSA OBSERVED IN 2001.						
Owner/Manager:	UNKNOWN						

Occurrence No.	179	Map Index:	B1524	EO Index:	113430	Element Last Seen:	2002-10-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-10-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.08325 / -117.10807				Accuracy:	specific area	
UTM:	Zone-11 N3660522 E489914				Elevation (ft):	600	
PLSS:	T12S, R02W, Sec. 32, SE (S)				Acres:	16.0	
Location:	NORTH OF LAKE HODGES, ABOUT 0.5 AND 0.7 AIR MILE SSE OF THE INTERSECTION OF DEL DIOS HWY AND VIA RANCHO PARKWAY.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES, IN THE WEST 1/2 OF THE SE 1/4 OF SECTION 32.						
Ecological:	ASSOCIATED WITH XYLOCOCCUS BICOLOR, ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, CEANOTHUS VERRUCOSUS, YUCCA WHIPPLEI, ERIOGONUM FASCICULATUM, QUERCUS AGRIFOLIA, AND SALVIA MELLIFERA.						
General:	1% TO 28% COVER OF QUERCUS DUMOSA OBSERVED IN 2002. IDENTIFICATION OF THIS POPULATION NEEDS VERIFICATION.						
Owner/Manager:	CITY OF SAN DIEGO						



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Occurrence No.	180	Map Index:	B1527	EO Index:	113434	Element Last Seen:	2002-09-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-09-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.05984 / -117.10426				Accuracy:	80 meters	
UTM:	Zone-11 N3657926 E490267				Elevation (ft):	315	
PLSS:	T13S, R02W, Sec. 8, NE (S)				Acres:	5.0	
Location:	SOUTH SIDE OF LAKE HODGES, ABOUT 1 AIR MILE WSW OF THE SUMMIT OF BERNARDO MOUNTAIN.						
Detailed Location:	MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 8.						
Ecological:	ASSOCIATED WITH RHUS INTEGRIFOLIA, XYLOCOCCUS BICOLOR, HETEROMELES ARBUTIFOLIA, ADENOSTOMA FASCICULATUM, ARTEMISIA CALIFORNICA, AVENA BARBATA, CNEORIDIUM DUMOSUM, RHAMNUS CROCEA, MIMULUS AURANTIACUS, LONICERA SUBSPICATA, ETC.						
General:	2% TO 4% COVER OF QUERCUS DUMOSA OBSERVED IN 2002. IDENTIFICATION OF THIS POPULATION NEEDS VERIFICATION.						
Owner/Manager:	CITY OF SAN DIEGO						

Occurrence No.	181	Map Index:	B1528	EO Index:	113435	Element Last Seen:	2002-04-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-04-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04946 / -117.09176				Accuracy:	80 meters	
UTM:	Zone-11 N3656774 E491433				Elevation (ft):	470	
PLSS:	T13S, R02W, Sec. 16, NE (S)				Acres:	5.0	
Location:	SOUTH OF LAKE HODGES, ABOUT 1 AIR MILE SSW OF THE SUMMIT OF BERNARDO MOUNTAIN.						
Detailed Location:	MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 16.						
Ecological:	ASSOCIATED WITH ADENOSTOMA FASCICULATUM, BROMUS HORDEACEUS, B. MADRITENSIS, XYLOCOCCUS BICOLOR, MOSS, RHAMNUS CROCEA, BROMUS DIANDRUS, CNEORIDIUM DUMOSUM, MALOSMA LAURINA, MIMULUS AURANTIACUS, LONICERA SUBSPICATA, CEANOTHUS TOMENTOSUS, ETC.						
General:	LESS THAN 1% COVER OF QUERCUS DUMOSA OBSERVED IN 2002. IDENTIFICATION OF THIS POPULATION NEEDS VERIFICATION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	182	Map Index:	B1530	EO Index:	113436	Element Last Seen:	2013-12-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-12-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09055 / -117.21157				Accuracy:	specific area	
UTM:	Zone-11 N3661345 E480256				Elevation (ft):	680	
PLSS:	T12S, R03W, Sec. 32, NE (S)				Acres:	8.0	
Location:	RANCHO LA COSTA PRESERVE, ABOUT 0.85 AIR MILE SOUTHEAST OF THE INTERSECTION OF SAN ELIJO ROAD AND RANCHO SANTA FE ROAD.						
Detailed Location:	MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 32.						
Ecological:	ASSOCIATED WITH ADENOSTOMA FASCICULATUM, CEANOTHUS TOMENTOSUS, MALOSMA LAURINA, SALVIA MELLIFERA, XYLOCOCCUS BICOLOR, AND COMAROSTAPHYLIS DIVERSIFOLIA.						
General:	4% COVER OF QUERCUS DUMOSA OBSERVED IN 2013.						
Owner/Manager:	CNLM						

Occurrence No.	183	Map Index:	B1531	EO Index:	113437	Element Last Seen:	2013-10-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-10-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07077 / -117.27142				Accuracy:	specific area	
UTM:	Zone-11 N3659165 E474665				Elevation (ft):	300	
PLSS:	T13S, R04W, Sec. 2, SW (S)				Acres:	8.0	
Location:	WEST OF GREEK VALLEY, ABOUT 0.5 AIR MILE WNW OF THE INTERSECTION OF EL CAMINO REAL AND LEUCADIA BLVD.						
Detailed Location:	MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 2.						
Ecological:	ASSOCIATED WITH XYLOCOCCUS BICOLOR, MIMULUS AURANTIACUS, HETEROMELES ARBUTIFOLIA, COMAROSTAPHYLIS DIVERSIFOLIA, QUERCUS BERBERIDIFOLIA, ERIOPHYLLUM CONFERTIFLORUM, PRUNUS ILICIFOLIA, BACCHARIS PILULARIS, HAZARDIA SQUARROSA, ETC.						
General:	LESS THAN 1% COVER OF QUERCUS DUMOSA OBSERVED IN 2013.						
Owner/Manager:	CNLM						



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Occurrence No.	184	Map Index:	B1533	EO Index:	113439	Element Last Seen:	2010-03-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-03-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2018-12-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16931 / -117.27228				Accuracy:	80 meters	
UTM:	Zone-11 N3670090 E474614				Elevation (ft):	300	
PLSS:	T11S, R04W, Sec. 35, SW (S)				Acres:	5.0	
Location:	LAKE CALAVERA PRESERVE, ABOUT 0.4 AIR MILE WEST OF SAN FRANCISCO PEAK.						
Detailed Location:	MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 35.						
Ecological:	ASSOCIATED WITH AGROSTIS PALLENS, CRYPTANTHA, HETEROMELES ARBUTIFOLIA, RHUS INTEGRIFOLIA, CLAYTONIA PERFOLIATA, STACHYS, SANICULA, MIMULUS AURANTIACUS, BACCHARIS PILULARIS, MALOSMA LAURINA, LEYMUS CONDENSATUS, ADENOSTOMA FASCICULATUM, ETC.						
General:	43% COVER OF QUERCUS DUMOSA OBSERVED IN 2010.						
Owner/Manager:	CITY OF CARLSBAD						

<i>Nama stenocarpa</i>				Element Code: PDHYD0A0H0	
mud nama					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G4G5
	State:	None		State:	S1S2
	Other:	Rare Plant Rank - 2B.2			
Habitat:	General:	MARSHES AND SWAMPS.			
	Micro:	LAKE SHORES, RIVER BANKS, INTERMITTENTLY WET AREAS. 15-815 M.			

Occurrence No.	5	Map Index:	27986	EO Index:	21775	Element Last Seen:	1937-06-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1937-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-10-07
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23264 / -117.32450				Accuracy:	1 mile	
UTM:	Zone-11 N3677124 E469766				Elevation (ft):		
PLSS:	T11S, R04W, Sec. 08 (S)				Acres:	0.0	
Location:	NEAR SAN LUIS REY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS AROUND THE CITY OF SAN LUIS REY.						
Ecological:	ROADSIDE.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1937 ROOS COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

<i>Acanthomintha ilicifolia</i>			Element Code: PDLAM01010	
San Diego thorn-mint				
Listing Status:	Federal:	Threatened	CNDDDB Element Ranks:	Global: G1
	State:	Endangered		State: S1
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank		
Habitat:	General:	CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.		
	Micro:			



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ENDEMIC TO ACTIVE VERTISOL CLAY SOILS OF MESAS AND VALLEYS. USUALLY ON CLAY LENSES WITHIN GRASSLAND OR CHAPARRAL COMMUNITIES. 25-945 M.

Occurrence No.	16	Map Index:	03642	EO Index:	12585	Element Last Seen:	1986-05-26
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-07-06
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13833 / -117.24061				Accuracy:	80 meters	
UTM:	Zone-11 N3666648 E477557				Elevation (ft):	480	
PLSS:	T12S, R03W, Sec. 18, NW (S)				Acres:	0.0	
Location:	JUST SOUTHEAST OF THE INTERSECTION OF PARK CENTER DRIVE AND OAK RIDGE WAY, VISTA.						
Detailed Location:	FOUND ALONGSIDE A DIRT ROAD (NO LONGER IN EXISTENCE) THAT RAN ALONG THE RIDGETOP NW OF THE CARLSBAD RACEWAY.						
Ecological:	ON LAS FLORES SANDY LOAM. ASSOCIATED WITH HEMIZONIA FASCICULATA, RHAMNUS CALIFORNICA, RHUS INTEGRIFOLIA, HETEROMELES ARBUTIFOLIA.						
General:	APPROXIMATELY 200 PLANTS OBSERVED IN 1980 AND IN 1986. OCCURRENCE WAS APPARENTLY EXTIRPATED BY CONSTRUCTION WORK IN 1988.						
Owner/Manager:	PVT						
Occurrence No.	17	Map Index:	03764	EO Index:	7725	Element Last Seen:	1991-XX-XX
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1991-06-24
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2011-09-15
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13723 / -117.19664				Accuracy:	non-specific area	
UTM:	Zone-11 N3666518 E481658				Elevation (ft):	530	
PLSS:	T12S, R03W, Sec. 16, NE (S)				Acres:	93.0	
Location:	SAN MARCOS; LAND BOUND BY LA MIRADA DR, LAS POSAS RD, LINDA VISTA DR AND PACIFIC ST, SW OF HWY 78.						
Detailed Location:	MAPPED GENERALLY TO ENCOMPASS HOGAN PARCEL 219-21 AND 219-22 WHICH ARE BOUNDED BY LA MIRADA DR, LAS POSAS RD, LINDA VISTA DR AND PACIFIC ST AS GIVEN IN A 1991 HOGAN REPORT. NEED EXACT MAP DETAIL FOR ACANTHOMINTHA AT THIS SITE.						
Ecological:	A GRASSLAND/VERNAL POOL COMMUNITY SURROUNDED BY INDUSTRIAL DEVELOPMENT. ASSOCIATES INCLUDE ERYNGIUM ARISTULATUM VAR. PARISHII, DESCHAMPSIA DANTHONIOIDES, NAVARRETIA FOSSALIS, ANAGALLIS MINIMA, BRODIAEA FILIFOLIA, B. JOLONENSIS, ETC.						
General:	25 PLANTS IN SW 1/4 OF THE SE 1/4 OF SECTION 9 IN 1986. PLANTS WERE OBSERVED IN 1991 (UNKNOWN HOW MANY PLANTS) BUT NO PLANTS FOUND BY TAYLOR (6/91); MAY HAVE BEEN TOO LATE IN SEASON. AQUEDUCT CUTS THROUGH NORTH BOUNDARY.						
Owner/Manager:	PVT						



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Occurrence No.	20	Map Index:	31560	EO Index:	2435	Element Last Seen:	1994-04-15
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1994-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-03-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07877 / -117.23724				Accuracy:	80 meters	
UTM:	Zone-11 N3660045 E477857				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 06, SE (S)				Acres:	0.0	
Location:	SOUTHEAST CORNER OF JUNCTION OF LA COSTA AVENUE AND RANCHO SANTA FE ROAD, CARLSBAD.						
Detailed Location:	MAPPED BASED ON PARCEL MAP FOR LA COSTA CONDOMINIUMS JUST NORTH OF JUNCTION OF CAMINO ENCANTO AND CORTE PROMENADE. THERE MAY BE ANOTHER POPULATION ABOUT 1/4 MILE NE OF MAPPED SITE (N SIDE OF LA COSTA AVE); 1993 DATA FROM RIGGAN IS UNCLEAR.						
Ecological:	ALONG THE E-W DRAINAGE AT JUNCTION OF TWO DRAINAGES ON EDGE OF GULLY. VERTISOL SOIL EXPOSED BY EROSION. POPULATION JUST WEST OF BIG RHUS INTEGRIFOLIA. ASSOCIATED WITH CENTAUREA SOLSTITIALIS, BRASSICA NIGRA, BROMUS RUBENS, AVENA FATUA, ETC.						
General:	HUNDREDS OF PLANTS OBSERVED IN 1978, 3 IN 1986, 50 IN 1994. SOIL AND SEEDS REPORTEDLY TRANSLOCATED TO CARLSBAD HIGHLANDS CONSERVATION BANK.						
Owner/Manager:	PVT						

Occurrence No.	23	Map Index:	03720	EO Index:	18122	Element Last Seen:	1986-05-26
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-07-06
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13352 / -117.21915				Accuracy:	specific area	
UTM:	Zone-11 N3666110 E479559				Elevation (ft):	480	
PLSS:	T12S, R03W, Sec. 17, NW (S)				Acres:	4.0	
Location:	LAS BRISAS POPULATION; NORTH SIDE OF ENCINITAS ROAD, WEST OF JUNCTION WITH RANCHO SANTA FE ROAD, SAN MARCOS.						
Detailed Location:	MAPPED BETWEEN RANCHO SANTA FE ROAD AND BEVERLY ROAD ALONG THE NORTH SIDE OF ENCINITAS ROAD; ABOUT 0.6 MILE WEST OF SANTA FE ROAD AND 100 METERS NORTH OF ENCINITAS ROAD.						
Ecological:	EDGE OF CHAPARRAL ON DIABLO CLAY, ASSOCIATED WITH HEMIZONIA FASCICULATA.						
General:	FEWER THAN 10,000 PLANTS IN 1983; 2500 IN 1986 IN 3 PATCHES. AREA DEVELOPED AND PLANTS EXTIRPATED IN 1988. A PORTION OF OCCURRENCE TRANSPLANTED JUST WEST OF THIS SITE (RECOGNIZED AS CNDDB OCCURRENCE #41).						
Owner/Manager:	PVT						



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Occurrence No.	25	Map Index:	83745	EO Index:	18121	Element Last Seen:	2001-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-07-25
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2020-07-22
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01955 / -117.09885				Accuracy:	specific area	
UTM:	Zone-11 N3653458 E490767				Elevation (ft):	630	
PLSS:	T13S, R02W, Sec. 28, NW (S)				Acres:	6.0	
Location:	WEST OF RANCHO BERNARDO; ABOUT 1.2 AND 1.35 MILES WEST OF I-395 (HWY 15) ON BLACK MOUNTAIN ROAD, SOUTH OF LAKE HODGES.						
Detailed Location:	TWO POLYGONS; ONE ON SLOPE OVERLOOKING THORN MINT CT AT 0.15 MILE SOUTH OF BLACK MTN RD AND ONE AT JUNCTION WITH CAMINO SAN BERNARDO. MAPPED BASED ON A 1983 WIER FIELD SURVEY MAP (SOUTH POLYGON) & 2008 SAN DIEGO DIGITAL DATA (NORTH POLYGON).						
Ecological:	HEAVY CLAY OUTCROP WITHIN LIGHTER CLAY SOIL. ON SW-FACING SLOPE NEAR SINGLE LARGE RHUS INTEGRIFOLIA. ALSO ASSOCIATED WITH AVENA, STIPA, CALOCHORTUS, ALLIUM, AND SCATTERED FEROCACTUS VIRIDESCENS. DUDLEYA VARIEGATA ALSO NEARBY.						
General:	S POLY: <1000 PLANTS IN 1983 IN ~2000 SQ M, NONE IN 1986, 250-400 IN 1990, 98 IN 1991, 800 IN 1992 (POP NOTED AS DECLINING), ~400 IN 1994, NONE IN 2006 (WRONG TIME OF YEAR & DRY YEAR). N POLY: UNKNOWN NUMBER IN 2001. INCL FORMER EO #18.						
Owner/Manager:	PVT						

Occurrence No.	28	Map Index:	71041	EO Index:	8564	Element Last Seen:	2019-04-22
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-07-14
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03077 / -117.24955				Accuracy:	specific area	
UTM:	Zone-11 N3654725 E476697				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24, NW (S)				Acres:	9.0	
Location:	MANCHESTER MITIGATION BANK; BETWEEN HOLLYRIDGE DRIVE AND TRABERT RANCH ROAD, NORTH OF SIENNA CANYON DRIVE, ENCINITAS.						
Detailed Location:	SOME SEEDS TAKEN FROM THIS SITE AND TRANSPLANTED AT EO#S 38, 39, & 42. MAPPED AS 5 POLYGONS BASED ON 2008 CNLM, 2009 FISH & WILDLIFE DATA, 2011 COORDINATES, & 2016 SDMMMP DATA. ADDITIONAL POPULATION INFO AVAILABLE AT CNDDDB. INCLUDES EO #54.						
Ecological:	GRASSLAND. CLAY LENS ON MESA, SURROUNDED BY CHAPARRAL AND COASTAL SAGE SCRUB. ASSOCIATED WITH BRASSICA NIGRA, VULPIA MYUROS, BLOOMERIA CROCEA, APIASTRUM ANGUSTIFOLIUM, HESPEREVAX SPARSIFOLIA, PLANTAGO VIRGINICA, HARPAGONELLA PALMERI, ETC.						
General:	1000S IN 1984, 100 IN '86, ~11420 IN '89, ~2440 IN '90, ~1400 IN '91, ~4000 IN '92, 2850 (+6 PLANTED) IN '01, 2600 (+2 PLANTED) IN '03, 550 IN '06, ~1478 IN '08, 3591 IN '10, 5329 IN '11, 318 IN '16, 4722 IN '17, 80 IN '18, 2506 IN '19.						
Owner/Manager:	CNLM-MANCHESTER PRESERVE						



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Occurrence No.	31	Map Index:	82488	EO Index:	18120	Element Last Seen:	2020-06-26
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2020-06-26
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-10-18
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13476 / -117.23431			Accuracy:	specific area		
UTM:	Zone-11 N3666251 E478145			Elevation (ft):	435		
PLSS:	T12S, R03W, Sec. 18, NE (S)			Acres:	1.0		
Location:	JUST NORTH OF FORMER CARLSBAD DRAG STRIP; APPROXIMATELY 1.2 AIR MILES SE OF MT. MARRON, SAN MARCOS.						
Detailed Location:	OPEN CLAY LENS LOCATED SEVERAL HUNDRED FEET SOUTH OF THE SW CORNER OF A RAISED PAVED PARKING LOT. DIRT ACCESS RD ABOUT 25 FEET TO THE NORTH OF THE POPULATION. MAPPED ACCORDING TO SDMMMP DIGITAL DATA.						
Ecological:	JUST BELOW CANOPY OF QUERCUS DUMOSA ON OPEN CLAY LENS (CRACKED SOILS) IN COASTAL SAGE SCRUB DOMINATED BY RHUS INTEGRIFOLIA. DOMINATED BY NONNATIVE ANNUAL GRASSES, SPECIFICALLY BRACHYPODIUM DISTACHYON AND FORBS.						
General:	~1000 PLANTS OVER 50 SQ METER AREA IN 1986. NO PLANTS FOUND IN 2006 VISIT, BUT HABITAT REMAINED; SURVEY WAS LATE IN YEAR & RAINFALL HAD BEEN LOW. 85 PLANTS IN 2009, 26 PLANTS IN 2010, 3 PLANTS IN 2017, 9 IN 2018, 5 IN 2019, 15 IN 2020.						
Owner/Manager:	SAN DIEGO HABITAT CONSERVANCY						

Occurrence No.	37	Map Index:	03964	EO Index:	18117	Element Last Seen:	1987-06-23
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1988-08-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-01-11
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13114 / -117.13837			Accuracy:	1/5 mile		
UTM:	Zone-11 N3665834 E487093			Elevation (ft):	760		
PLSS:	T12S, R02W, Sec. 18, NW (S)			Acres:	0.0		
Location:	INDIAN HILL, NORTH OF LA MOREE ROAD AND SOUTH OF HIGHWAY 78, EAST OF SAN MARCOS.						
Detailed Location:							
Ecological:							
General:	ORIGINALLY 65 PLANTS SEEN IN 1987. ORIGINAL OCCURRENCE WAS EXTIRPATED IN MAY 1988. AREA DEVELOPED. 5 PLANTS (SEED?) COLLECTED IN 1988 FOR REINTRODUCTION TO A NEW SITE, BUT NEW SITE NOT ESTABLISHED AS OF THIS WRITING.						
Owner/Manager:	PVT						



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Occurrence No.	38	Map Index:	71043	EO Index:	18115	Element Last Seen:	1994-06-06
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2006-04-27
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Decreasing	Record Last Updated:	2011-10-19
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02370 / -117.25660				Accuracy:	80 meters	
UTM:	Zone-11 N3653944 E476035				Elevation (ft):	140	
PLSS:	T13S, R04W, Sec. 23, SE (S)				Acres:	0.0	
Location:	EL CAMINO OCCURRENCE, EL CAMINO REAL TERRACE, LUX CANYON.						
Detailed Location:	ABOUT 100 METERS WEST OF THE INTERSECTION OF SOUTH EL CAMINO REAL AND EL CAMINO COURT, ENCINITAS.						
Ecological:	NE-FACING SLOPE ON OPEN CLAY LENS. SURROUNDED BY CHAPARRAL. MANY INVASIVES. ASSOCIATED WITH HARPAGONELLA PALMERI, CONVULVULUS SIMULANS, HESPEREVAX SPARSIFLORA, CENTAUREA MELITENSIS, PLANTAGO VIRGINICA, MICROSERIS DOUGLASII SSP. PLATYCARPHA.						
General:	TRANSPLANT SITE FROM SEED OF SPYGLASS OCCURRENCE (#28). 30 SEEDLINGS OBSERVED IN 1986, ONLY A FEW PLANTS IN 1987-1988, 17 IN 1994. NONE SEEN IN 2006; SITE IS POSSIBLY EXTIRPATED. A 2009 SNAPP-COOK REVIEW NOTES THIS POPULATION AS EXTIRPATED.						
Owner/Manager:	PVT						

Occurrence No.	39	Map Index:	84084	EO Index:	18114	Element Last Seen:	1994-06-06
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1994-06-06
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2011-10-25
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05100 / -117.27993				Accuracy:	specific area	
UTM:	Zone-11 N3656976 E473864				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 10, SE (S)				Acres:	1.0	
Location:	QUAIL PARK BOTANICAL GARDEN; JUST WEST OF QUAIL GARDENS DR AND ~0.25 NNW OF JCT WITH ENCINITAS BLVD, EAST OF ENCINITAS.						
Detailed Location:	MAPPED BY CNDDDB IN THE SW 1/4 OF THE SE 1/4 OF SECTION 10 BASED ON A 1993 MCMILLAN FIELD SURVEY MAP.						
Ecological:	NATURAL CLAY AREA. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, ANAGALLIS ARVENSIS, ARTEMISIA CALIFORNICA, AVENA, BLOOMERIA CROCEA, BRASSICA NIGRA, BROMUS MOLLIS, BROMUS RUBENS, CENTAUREA MELITENSIS, CHLOROGALUM PARVIFLORA, ETC.						
General:	TRANSPLANT POPULATION FROM SEED FROM SPYGLASS OCCURRENCE (CNDDDB EO #28). 2-300 PLANTS IN 1988. 200 PLANTS IN 1993, 160 PLANTS IN 1994. A 2009 SNAPP-COOK REVIEW NOTES THIS POPULATION AS EXTIRPATED; CNDDDB NEEDS CONFIRMATION.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	40	Map Index:	84083	EO Index:	13691	Element Last Seen:	1994-05-31
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1994-05-31
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2020-07-13
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16716 / -117.13195				Accuracy:	specific area	
UTM:	Zone-11 N3669826 E487696				Elevation (ft):	1250	
PLSS:	T12S, R02W, Sec. 06, NW (S)				Acres:	18.0	
Location:	EMERALD HEIGHTS RESIDENTIAL DEVELOPMENT; EAST AND NE OF RECREATION CENTER, SW EXTENSION OF MERRIAM MOUNTAINS.						
Detailed Location:	ONE POPULATION AT ~0.15 AIR MILE EAST OF RECREATION CENTER AND THREE OTHER POPULATIONS AT ~0.4-0.5 AIR MILE NE. MAPPED AS 4 POLYGONS; 2 IN SE 1/4 OF SW 1/4 SEC 31 AND 2 IN THE NW 1/4 SEC 6 BASED ON 1988 AND 1992 DILLANE FIELD SURVEY MAPS.						
Ecological:	IN OPENINGS IN CHAPARRAL IN HEAVY SOIL ON RIDGETOP AND NEAR CREST OF ROUNDED GABBRO PEAK. ASSOCIATED WITH HEMIZONIA FASCICULATA, GRINDELIA ROBUSTA, CENTAUREA, SALVIA MELLIFERA, MALOSMA, HETEROMELES, TETRACOCCLUS DIOICUS, ETC.						
General:	500+ PLANTS SEEN IN THREE N POLYS IN 1988; THESE POPULATIONS EXTIRPATED BY SHEA HOMES, SOIL AND SEED RELOCATED TO SAN DIEGO WILD ANIMAL PARK (EO #49) IN 1990. <100 PLANTS IN S POLY IN 1992, 5 PLANTS IN 1994. INCLUDES FORMER EO #61.						
Owner/Manager:	PVT						

Occurrence No.	41	Map Index:	03713	EO Index:	18113	Element Last Seen:	1994-05-31
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2006-07-27
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Decreasing	Record Last Updated:	2011-10-19
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13349 / -117.22127				Accuracy:	specific area	
UTM:	Zone-11 N3666107 E479361				Elevation (ft):	450	
PLSS:	T12S, R03W, Sec. 17, NW (S)				Acres:	1.1	
Location:	LAS BRISAS TRANSPLANT SITE, NORTH OF ENCINITAS BLVD AND EAST OF POINSETTIA AVE, WEST OF SAN MARCOS.						
Detailed Location:	MAPPED ABOUT 0.4 MILE EAST OF JUNCTION OF BEVERLY ROAD AND ENCINITAS ROAD, AND 150 METERS NORTH OF ENCINITAS ROAD IN THE SOUTH 1/2 OF THE NW 1/4 OF SECTION 17.						
Ecological:	OPEN AREA IN COASTAL SAGE SCRUB-CHAPARRAL. ASSOCIATED WITH VULPIA MYUROS, BROMUS MADRITENSIS, ADENOSTOMA FASCICULATUM, ADOLPHIA CALIFORNICA, ERIOPHYLLUM CONFERTIFOLIUM, SALVIA MELLIFERA, BRASSICA NIGRA, AVENA FATUA, CENTAUREA MELITENSIS.						
General:	OCCURRENCE IS PART TRANSPLANT (SEEDS FROM EO #23 ~0.1 MI TO THE E) AND PART NATIVE (SOME PLANTS OCCUR N OF TRANSPLANT AREA). 700-1000 IN 1988, 30 IN 1994, NONE FOUND IN 2006. A 2009 SNAPP-COOK REVIEW NOTES THIS POPULATION AS EXTIRPATED.						
Owner/Manager:	PVT						



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Occurrence No.	42	Map Index:	03588	EO Index:	8567	Element Last Seen:	1994-06-06
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2006-04-27
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Decreasing	Record Last Updated:	2011-10-19
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03241 / -117.25501				Accuracy:	specific area	
UTM:	Zone-11 N3654909 E476186				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24, NW (S)				Acres:	1.0	
Location:	SPYGLASS TRANSPLANT OCCURRENCE, EAST SIDE OF LUX CANYON AND EAST OF MANCHESTER AVE, NORTH OF RYAN ROAD.						
Detailed Location:	3 SUBPOPULATIONS SEEN BY MCMILLAN AND KEMP IN 1994: 2 BEHIND HOMES AND OTHER 100 YARDS TO EAST ON VALLEY EDGE.						
Ecological:	FLAT CLAY LENS ON MESA, SURROUNDED BY DEVELOPMENT AND COASTAL SAGE SCRUB. SMALL, HIGHLY DISTURBED AND DEGRADED AREA. ASSOCIATED WITH CONVULVULUS SIMULANS, APIASTRUM ANGUSTIFOLIUM, CENTAUREA MELITENSIS, PLANTAGO VIRGINICA.						
General:	TRANSPLANT OF SEED FROM SPYGLASS OCCURRENCE (#28). ~5000 PLANTS SEEN IN 1994. SITE VISITED IN 2001; UNKNOWN NUMBER OF PLANTS SEEN. NONE SEEN IN 2006; SITE IS POSSIBLY EXTIRPATED. A 2009 SNAPP-COOK REVIEW NOTES THIS POPULATION AS EXTIRPATED.						
Owner/Manager:	CITY OF ENCINITAS						

Occurrence No.	46	Map Index:	20231	EO Index:	12329	Element Last Seen:	2001-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-10-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03334 / -117.15046				Accuracy:	specific area	
UTM:	Zone-11 N3654993 E485949				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 24, NW (S)				Acres:	1.0	
Location:	SOUTH OF SAN DIEGUITO RIVER; APPROXIMATELY 1.4 AND 1.5 AIR MILES SW OF LAKE HODGES DAM, NE OF RANCHO SANTA FE.						
Detailed Location:	NORTH BANK OF DAMMED POND (WITH SMALL ISLAND). MAPPED AS TWO POLYGONS BASED ON 2008 SAN DIEGO DIGITAL DATA IN THE NW 1/4 OF THE NW 1/4 OF SECTION 24.						
Ecological:	DISTURBED NATIVE GRASSLAND NEAR PATCHES OF MIXED CHAPARRAL SPECIES. IN CLAY SOILS WITH OCCURRENCES OF ADOLPHIA CALIFORNICA AND ORANGE-THROATED WHIPTAIL.						
General:	400 PLANTS SEEN IN 1990, 500 PLANTS SEEN IN 1991. LAND IS HELD BY THE SECURITY TRUST COMPANY OF SAN DIEGO (1991). UNKNOWN NUMBER OF INDIVIDUALS SEEN IN 2001.						
Owner/Manager:	PVT						



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Occurrence No.	47	Map Index:	20230	EO Index:	12382	Element Last Seen:	2021-04-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2021-04-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-10-15
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06422 / -117.22745				Accuracy:	specific area	
UTM:	Zone-11 N3658429 E478768				Elevation (ft):	210	
PLSS:	T13S, R03W, Sec. 7, N (S)				Acres:	4.0	
Location:	1 MILE EAST OF RANCHO SANTA FE RD, ~0.8 TO 1.3 AIR MILES ESE OF INTERSECTION WITH OLIVENHAIN RD, LOS ENCENITOS.						
Detailed Location:	MAPPED AS 5 POLYGONS ACCORDING TO A 1989 SCHEID MAP (S POLYGON), 2010 VINJE COORDINATES, AND COORDINATES FROM INATURALIST.						
Ecological:	OPEN CLAY LENSES IN COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND. POPULATION IS LOCATED NEAR LARGE RHUS INTEGRIFOLIA. ASSOCIATED WITH APIASTRUM ANGUSTIFOLIUM, DEINANDRA FASCICULATA, CENTAUREA MELITENSIS, BROMUS MADRITENSIS SSP. RUBENS, ETC.						
General:	POP #S FOR PORTIONS OF SITE: 417 PLANTS SEEN IN 1989, 3000+ ESTIMATED IN 1994, ~500 PLANTS OBSERVED IN 2006, 100 PLANTS IN 2009, ~700 PLANTS SEEN IN 2010, SEEN IN 2021. INCLUDES FORMER EO #48.						
Owner/Manager:	PVT						

Occurrence No.	53	Map Index:	20082	EO Index:	7733	Element Last Seen:	1991-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-10-17
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13847 / -117.18457				Accuracy:	specific area	
UTM:	Zone-11 N3666653 E482785				Elevation (ft):	550	
PLSS:	T12S, R03W (S)				Acres:	9.7	
Location:	SOUTHWEST OF THE INTERSECTION OF SOUTH BENT AVENUE AND GRAND AVENUE, SAN MARCOS.						
Detailed Location:	WITHIN HOGAN PARCEL 219-33. MAPPED AT BEAUCHAM POOLS L 11-13.						
Ecological:	VERNAL POOLS SURROUNDED BY NATIVE BUNCH GRASS GRASSLAND. A. ILICIFOLIA FOUND AROUND THE MARGINS OF THE POOLS. ASSOCIATED WITH BRODIAEA FILIFOLIA, B. ORCUTTII, DOWNINGIA CUSPIDATA, ERYNGIUM ARISTULATUM PARISHII.						
General:	THIS SITE SUPPORTS SOME OF THE MOST PRISTINE VERNAL POOLS IN SAN MARCOS (OR SAN DIEGO CO) ACC TO D. HOGAN. SITE HAS APPARENTLY NEVER BEEN GRUBBED OR MOWED, MIMA MOUNDS ARE WELL-FORMED AND NATIVE BUNCHGRASS GRASSLAND IS MOSTLY STILL INTACT.						
Owner/Manager:	PVT						



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Occurrence No.	57	Map Index:	21668	EO Index:	12863	Element Last Seen:	199X-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2006-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2008-03-27
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14044 / -117.28511				Accuracy:	80 meters	
UTM:	Zone-11 N3666892 E473407				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 10, SE (S)				Acres:	0.0	
Location:	0.1 MILE NW OF THE INTERSECTION OF SALK AVENUE AND COLLEGE BLVD, NORTH OF PALOMAR AIRPORT, CARLSBAD.						
Detailed Location:	SOUTH OF EL CAMINO REAL AND JUST WEST OF LETTERBOX CANYON.						
Ecological:	SLIGHTLY E-FACING OPEN CLAY LENS WITH NON-NATIVE GRASSLAND AND SCATTERED SHRUBS NEARBY. SITE ALMOST COMPLETELY BARE OF ALL PLANTS, BUT BRASSICA NIGRA, CENTAUREA MELITENSIS, APIASTRUM ANGUSTIFOLIUM, & ASPHODELUS FISTULOSUS ARE PRESENT HERE.						
General:	NO PLANTS FOUND IN 2006. 2006 SURVEY WAS DONE TOO LATE IN THE YEAR TO FIND FLOWERING, BUT NO DRY STALKS COULD BE LOCATED HERE EITHER. PLANTS MIGHT BE FOUND IN A YEAR WITH MORE RAINFALL.						
Owner/Manager:	PVT						

Occurrence No.	58	Map Index:	21338	EO Index:	8509	Element Last Seen:	2019-04-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-07-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.12103 / -117.29937				Accuracy:	specific area	
UTM:	Zone-11 N3664744 E472072				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 21, NE (S)				Acres:	1.0	
Location:	EMERALD POINTE OPEN SPACE; ABOUT 0.25 AIR MI SE OF JCT OF PALOMAR AIRPORT RD AND AVIARA PARKWAY, CARLSBAD.						
Detailed Location:	WITHIN AN OPEN SPACE PRESERVE DEDICATED AS PART OF THE EMERALD POINTE RESIDENTIAL HOUSING DEVELOPMENT. MAPPED BY CNDDB IN THE NE 1/4 OF NE 1/4 OF SEC 21 BASED ON UTM COORDINATES GIVEN IN 2010 ROCKS FIELD SURVEY AND SDMMMP DIGITAL DATA.						
Ecological:	COASTAL SAGE SCRUB WITH PATCHES OF NATIVE AND NON-NATIVE GRASSLAND. SOILS ARE DARK GREY CLAY WITH ABUNDANT CRACKS AND FISSURES. W-FACING, ~3:1 SLOPE. RHUS INTEGRIFOLIA, ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, DEINANDRA FASCICULATA, ETC.						
General:	110 INDIVIDUALS IN 2009. 93 SEEN IN 2010; PLANTS NOTED AS ROBUST WITH MULTIPLE BRANCHES AND FLOWERING HEADS. 22 PLANTS SEEN IN 2015, 39 IN 2016, 17 IN 2017, 22 IN 2018, 40 CLUSTERS IN 2019. SITE MANAGED BY SAN DIEGO HABITAT CONSERVANCY.						
Owner/Manager:	PVT						



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Occurrence No.	59	Map Index:	21354	EO Index:	8556	Element Last Seen:	2021-04-20
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2021-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-10-15
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11348 / -117.24587				Accuracy:	specific area	
UTM:	Zone-11 N3663895 E477061				Elevation (ft):	240	
PLSS:	T12S, R04W, Sec. 24, SE (S)				Acres:	3.0	
Location:	ABOUT 0.6 AIR MILE SW OF RANCHO DE LOS QUIOTES; ON EITHER SIDE OF EL FUERTE ST, SOUTH OF CARLSBAD CORPORATE BOUNDARY.						
Detailed Location:	MAPPED AS 3 POLYGONS BASED ON A 1994 SWEETWATER ENVIRONMENTAL BIOLOGISTS MAP, 2010 VINJE COORDINATES, AND SDMMMP DIGITAL DATA.						
Ecological:	ON THE EDGE OF AN OPEN CLAY LENS (CRACKED SOILS) IN COASTAL SAGE SCRUB. ASSOCIATED WITH MIMULUS AURANTIACUS, HETEROMELES ARBUTIFOLIA, RHUS INTEGRIFOLIA, SALVIA MELLIFERA, BACCHARIS PILULARIS, HARPAGONELLA PALMERI AND ADOLPHIA CALIFORNICA.						
General:	SE POLYGON: ~100 IN 1991, 24 IN 2009, 10 IN 2010, 23 IN 2017, 3 IN 2018, 5 IN 2019, SEEN IN 2021. SW POLYGON: ~70 IN 1991, POSSIBLY EXTIRPATED BY ROAD RE-ALIGNMENT. N POLYGON: 10 IN 1991.						
Owner/Manager:	PVT						

Occurrence No.	60	Map Index:	21765	EO Index:	18744	Element Last Seen:	2017-04-18
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2019-04-09
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2020-07-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00533 / -117.15299				Accuracy:	specific area	
UTM:	Zone-11 N3651889 E485710				Elevation (ft):	265	
PLSS:	T13S, R03W, Sec. 35, NE (S)				Acres:	3.0	
Location:	BLACK MTN OPEN SPACE; JUST N OF LUSARDI CREEK, ~1.4 MILES SE FROM CONFLUENCE WITH SAN DIEGUITO RIVER, RANCHO SANTA FE.						
Detailed Location:	MAPPED AS TWO POLYGONS IN THE NE 1/4 OF THE NE 1/4 OF SECTION 35 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 36 BASED ON A 2005 SAN DIEGO REPORT, 2008 SAN DIEGO DIGITAL DATA, 2010 FRIESEN DIGITAL DATA, AND SDMMMP DIGITAL DATA.						
Ecological:	NON-NATIVE GRASSLAND. ASSOCIATES INCLUDE BRACHYPODIUM DISTACHYON, AVENA SP., BRASSICA NIGRA, CALOCHORTUS SPLENDENS, CALYSTEGIA MACROSTEGIA, OPUNTIA SP., RHUS INTEGRIFOLIA, SALVIA MELLIFERA, ANAGALLIS ARVENSIS, ADENOSTOMA FASCICULATUM, ETC.						
General:	UNKNOWN NUMBER IN 1992. 1115 IN 2000, 777 IN 2001, 0 IN 2002, 486 IN 2003, 105 IN 2004, 120 IN 2005, 36 IN 2006, 16 IN 2008, 3 IN 2009, 56 IN 2010, NO PLANTS SEEN IN 2014 (LOW RAINFALL), 10 IN 2015, 5 IN 2016, 1 IN 2017, 0 IN 2018 & 2019.						
Owner/Manager:	CITY OF SAN DIEGO						



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Occurrence No.	70	Map Index:	38518	EO Index:	33525	Element Last Seen:	2019-04-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-04-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-07-08
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13362 / -117.26411				Accuracy:	specific area	
UTM:	Zone-11 N3666131 E475365				Elevation (ft):	270	
PLSS:	T12S, R04W, Sec. 14, NE (S)				Acres:	7.0	
Location:	FROM 0.1-0.5 MILE NE OF THE INTERSECTION OF PALOMAR AIRPORT ROAD AND EL CAMINO REAL, EAST OF PALOMAR AIRPORT.						
Detailed Location:	MAPPED AS 6 POLYGONS BASED ON 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA, COORDINATES FROM SEVERAL 2010 VINJE AND FILLIUS OBSERVATIONS, AND SDMMMP DIGITAL DATA.						
Ecological:	CLAY LENSES WITH NON-NATIVE CO-DOMINANTS COMPOSED MOSTLY OF CENTAUREA MELITENSIS, BROMUS MADRITENSIS, SONCHUS SP. NATIVE FORB COVER COMPOSED OF APIASTRUM ANGUSTIFOLIUM, DEINANDRA FASCICULATA, AND LOTUS WRANGELIANUS.						
General:	POPULATION NUMBERS FOR PORTIONS OF SITE: 100S OF PLANTS IN 1997, ~1600 IN 2006, 210 IN 2007, 505 IN 2008, ~11,300 IN 2010, ~15,586 IN 2016, 36,533 IN 2017, 1919 IN 2018, 6693 IN 2019.						
Owner/Manager:	SDG COUNTY, CNLM						

Occurrence No.	82	Map Index:	71047	EO Index:	71959	Element Last Seen:	2019-04-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-04-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-07-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11816 / -117.26519				Accuracy:	specific area	
UTM:	Zone-11 N3664418 E475260				Elevation (ft):	215	
PLSS:	T12S, R04W, Sec. 23, NE (S)				Acres:	1.0	
Location:	RANCHO LA COSTA PRESERVE; ABOUT 0.15 AIR MILE SE OF THE INTERSECTION OF VIDA ROBLE AND EL CAMINO REAL, CARLSBAD.						
Detailed Location:	MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SEC 23 BASED ON 2008 CENTER FOR NATURAL LANDS MGMT DIGITAL DATA. TWO 2010 SURVEYS; VINJE NOTED POP HAS INCREASED & SITE QUALITY AS GOOD (4/15/2010), FILLIUS NOTED A FAIR-POOR SITE QUALITY (4/27/2010).						
Ecological:	OPEN CLAY LENS (20% SLOPE; CRACKED SOILS) IN COASTAL SAGE SCRUB AND CHAPARRAL. ASSOCIATED WITH RHUS INTEGRIFOLIA, SALVIA MELLIFERA, ENCELIA CALIFORNICA, ADOLPHIA CALIFORNICA, SONCHUS ASPER, S. OLERACEUS, HARPAGONELLA PALMERI, ETC.						
General:	1000 PLANTS SEEN IN 2001 & 2003, 150 IN 2006, 26 IN 2007, 194 IN 2008, 251 IN 2009, 520 IN 2010, 237 IN 2016, 996 IN 2017, 278 IN 2018, 1396 IN 2019. POPULATION APPEARS WELL-PROTECTED (2010).						
Owner/Manager:	CNLM						



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Occurrence No.	93	Map Index:	83850	EO Index:	84879	Element Last Seen:	2001-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-10-13
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22740 / -117.20754				Accuracy:	specific area	
UTM:	Zone-11 N3676516 E480661				Elevation (ft):	800	
PLSS:	T11S, R03W, Sec. 09, SW (S)				Acres:	3.0	
Location:	WEST OF SOUTH FORK OF GOPHER CANYON; ~0.4 AIR MI SE OF JUNCTION OF ELEVADO RD AND PLEASANT HEIGHTS DR, SAN MARCOS MTNS.						
Detailed Location:	ACCESS TO THE SITE IS ELEVADO RD (NORTH) TO A PRIVATE DRIVE DIRECTLY ACROSS (EAST) FROM PLEASANT HEIGHTS DR. MAPPED AS 2 POLYGONS IN THE FAR SW 1/4 OF THE SW 1/4 OF SECTION 9 BASED ON A 2003 BON TERRA REPORT MAP.						
Ecological:	OPEN/ROCKY AREAS IN MAFIA CHAPARRAL AND NATIVE GRASSLAND. THE MAFIC CHAPARRAL IS DOMINATED BY ADENOSTOMA FASCICULATUM. XYLOCCOCUS BICOLOR, MALOSMA LAURINA, RHUS INTEGRIFOLIA, SALVIA MELLIFERA, NASSELLA PULCHRA, CALOCHORTUS SPLENDENS, ETC.						
General:	380 PLANTS SEEN IN 1999. APPROXIMATELY 1024 INDIVIDUALS SEEN IN 2001.						
Owner/Manager:	PVT						

Occurrence No.	94	Map Index:	83852	EO Index:	84882	Element Last Seen:	2010-06-01
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2012-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-12-07
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16181 / -117.29794				Accuracy:	specific area	
UTM:	Zone-11 N3669265 E472218				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 04, NE (S)				Acres:	1.0	
Location:	ABOUT 0.1 AIR MILE ENE OF INTERSECTION OF INVERNESS CT AND EDINBURGH DR, AGUA HEDIONDA.						
Detailed Location:	MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 4 BASED ON 2009 FISH AND WILDLIFE DIGITAL DATA.						
Ecological:	CLAY LENS WITH DOMINANT NON-NATIVE FORBS BEING VULPIA BROMOIDES, BROMUS HORDEACEUS, CENTAUREA MELITENSIS, AND VULPIA MYUROS. DOMINANT NATIVE FORBS ARE DEINANDRA FASCICULATA, APIASTRUM ANGUSTIFOLIUM, SISYRINCHIUM BELLUM, AND PLANTAGO ERECTA.						
General:	2 PLANTS SEEN IN 2008. 4 PLANTS WERE SEEN IN 2009 AND 2 IN 2010. NO PLANTS FOUND IN 2011 AND 2012. MCCONNELL MENTIONS IN 2010 FIELD SURVEY THAT LAND IS OWNED BY AN UNKNOWN HOA, AND IS JUST OUTSIDE OF PRESERVE BOUNDARY.						
Owner/Manager:	PVT						



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Occurrence No.	97	Map Index:	84029	EO Index:	85066	Element Last Seen:	2021-05-05	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	2021-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	2021-10-15
Quad Summary:	San Luis Rey (3311723)							
County Summary:	San Diego							
Lat/Long:	33.22963 / -117.26928				Accuracy:	specific area		
UTM:	Zone-11 N3676777 E474911				Elevation (ft):	250		
PLSS:	T11S, R04W, Sec. 11, SW (S)				Acres:	1.0		
Location:	DARWIN LANE, EAST OF OCEANSIDE.							
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 2005 AND 2021 INATURALIST COORDINATES.							
Ecological:								
General:	185 PLANTS SEEN IN 2001 AT "TAYLOR" SITE (LIKELY SW POLYGON). UNKNOWN NUMBER OF PLANTS IN NE POLYGON IN 2005 AND SW POLYGON IN 2021. REVIEW ALSO NOTED THAT AS OF 2009 LAND OWNERSHIP/CONSERVATION BY SAN DIEGO HABITAT CONSERVANCY IS PENDING.							
Owner/Manager:	PVT							

<i>Lepechinia cardiophylla</i>				Element Code: PDLAM0V020			
heart-leaved pitcher sage							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G3
	State:	None				State:	S2S3
	Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive					
Habitat:	General:	CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, CISMONTANE WOODLAND.					
	Micro:	115-1345 M.					

Occurrence No.	21	Map Index:	A1385	EO Index:	102959	Element Last Seen:	2009-05-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2009-05-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-12
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.35383 / -117.04159				Accuracy:	80 meters	
UTM:	Zone-11 N3690515 E496130				Elevation (ft):	527	
PLSS:	T09S, R02W, Sec. 36, NE (S)				Acres:	5.0	
Location:	NORTHERN PORTION OF WILDERNESS GARDENS OPEN SPACE PRESERVE.						
Detailed Location:	MAPPED ACCORDING TO 2010 SAN DIEGO COUNTY DIGITAL DATA.						
Ecological:	DENSE COAST LIVE OAK WOODLAND AT THE BASE OF PALA MOUNTAIN.						
General:	20 TO 50 INDIVIDUALS OBSERVED IN 2009.						
Owner/Manager:	SDG COUNTY						

<i>Monardella hypoleuca ssp. lanata</i>				Element Code: PDLAM180A2			
felt-leaved monardella							
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G4T3
	State:	None				State:	S3
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive					
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND.					
	Micro:						



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OCCURS IN UNDERSTORY IN MIXED CHAPARRAL, CHAMISE CHAPARRAL, AND SOUTHERN OAK WOODLAND;
SANDY SOIL. 425-1585 M.

Occurrence No.	17	Map Index:	47656	EO Index:	47656	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2002-04-18		

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long: 33.10936 / -117.17765 **Accuracy:** 1 mile

UTM: Zone-11 N3663424 E483425 **Elevation (ft):**

PLSS: T12S, R03W, Sec. 27 (S) **Acres:** 0.0

Location: MOUNT WHITNEY DOUBLE PEAK RESOURCE CONSERVATION AREA, SOUTH OF SAN MARCOS.

Detailed Location: EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDDB IN GENERAL VICINITY OF DOUBLE PEAK.

Ecological: IN CHAPARRAL.

General: EXACT LOCATION AND DATE SEEN UNKNOWN.

Owner/Manager: UNKNOWN

Occurrence No.	39	Map Index:	47731	EO Index:	47731	Element Last Seen:	1978-07-12
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1978-07-12		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2014-03-05		

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long: 33.06629 / -117.14333 **Accuracy:** 1/5 mile

UTM: Zone-11 N3658645 E486620 **Elevation (ft):**

PLSS: T13S, R03W, Sec. 01 (S) **Acres:** 0.0

Location: WEST OF LAKE HODGES AT THE END OF MT. ISRAEL ROAD.

Detailed Location: EXACT LOCATION UNKNOWN; MAPPED AS BEST GUESS BY CNDDDB IN GENERAL VICINITY OF END OF MT. ISRAEL ROAD.

Ecological: AMONG ADENOSTOMA FASCICULATUM AND QUERCUS DUMOSA.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1978 OBERBAUER COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Occurrence No.	40	Map Index:	47732	EO Index:	47732	Element Last Seen:	1986-06-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1986-06-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2014-03-10		
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.21765 / -117.18977	Accuracy:	3/5 mile				
UTM:	Zone-11 N3675432 E482315	Elevation (ft):	1670				
PLSS:	T11S, R03W, Sec. 15 (S)	Acres:	0.0				
Location:	WEST OF RAG DOLL LANE, SAN MARCOS MOUNTAINS.						
Detailed Location:	MAPPED BY CNDDDB AS BEST GUESS WEST OF RAG DOLL LANE BASED ON LOCATION DESCRIPTION IN REISER'S "RARE PLANTS OF SAN DIEGO COUNTY."						
Ecological:	SEVERAL CLUMPS GROWING AMONG OUTCROPS OF WEATHERED SAN MARCOS GABBRO WITH CHAMAEBATIA AUSTRALIS AND COMAROSTAPHYLIS DIVERSIFOLIA. CHAMISE CHAPARRAL.						
General:	SEVERAL SCATTERED POPULATIONS IN THIS AREA ACCORDING TO REISER (2001). A 1986 ARMSTRONG COLLECTION FROM "SUMMIT OF SAN MARCOS MOUNTAINS, 1670 FT" IS ALSO ATTRIBUTED TO THIS SITE; "SEVERAL CLUMPS" OBSERVED IN 1986.						
Owner/Manager:	UNKNOWN						

<i>Monardella hypoleuca ssp. intermedia</i>					Element Code: PDLAM180A4	
intermediate monardella						
Listing Status:	Federal:	None	CNDDDB Element Ranks:		Global:	G4T2?
	State:	None			State:	S2?
	Other:	Rare Plant Rank - 1B.3				
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST (SOMETIMES).				
	Micro:	OFTEN IN STEEP, BRUSHY AREAS. 195-1675 M.				

Occurrence No.	1	Map Index:	88015	EO Index:	88991	Element Last Seen:	1997-04-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1997-04-08		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2013-01-25		
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34966 / -117.03181	Accuracy:	2/5 mile				
UTM:	Zone-11 N3690052 E497040	Elevation (ft):	650				
PLSS:	T09S, R01W, Sec. 31, W (S)	Acres:	0.0				
Location:	WILDERNESS GARDENS OPEN SPACE PRESERVE, NW OF PALA MOUNTAIN.						
Detailed Location:	"AREAS ALONG THE MAIN TRAIL NETWORK FROM THE PARKING AREA ALONG THE PRIMARY DRIVEWAY WITHIN THE RIVER BOTTOM TO AREAS OF NATIVE GRASSLANDS ON THE HIGHER SLOPES." MAPPED BY CNDDDB AS BEST GUESS AROUND THE MAIN TRAILS WITHIN THE PRESERVE.						
Ecological:	OAK WOODLAND COMPOSED OF QUERCUS AGRIFOLIA, POPULUS FREMONTII, PLATANUS RACEMOSA, SALIX SPP., WITH AN UNDERSTORY OF ERICAMERIA PINIFOLIA, TOXICODENDRON DIVERSILOBUM, RHAMNUS ILICIFOLIA, LEPIDOSPARTUM SQUAMATUM, ETC. ALONG THE RIVER BOTTOM.						
General:	SITE BASED ON A 1997 BANKS COLLECTION. A 1901 SCHELLENGER COLLECTION FROM "BACK OF PALA - PALOMAR MT" IS ALSO ATTRIBUTED TO THIS SITE; PREVIOUSLY IDENTIFIED AS SSP. LANATA (EO #38) BUT HAS BEEN ANNOTATED TO SSP. INTERMEDIA. NEEDS FIELDWORK.						
Owner/Manager:	SDG COUNTY						



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Pogogyne abramsii

Element Code: PDLAM1K010

San Diego mesa mint

Listing Status: **Federal:** Endangered **CNDDB Element Ranks:** **Global:** G1
State: Endangered **State:** S1
Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat: **General:** VERNAL POOLS.
Micro: VERNAL POOLS WITHIN GRASSLANDS, CHAMISE CHAPARRAL, OR COASTAL SAGE SCRUB COMMUNITIES. 70-195 M.

Occurrence No. 61 **Map Index:** A8510 **EO Index:** 110300 **Element Last Seen:** 2019-01-31
Occ. Rank: Poor **Presence:** Presumed Extant **Site Last Seen:** 2019-01-31
Occ. Type: Transplant Outside of Native Hab./Range **Trend:** Unknown **Record Last Updated:** 2021-03-09

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long: 33.03841 / -117.15294 **Accuracy:** specific area
UTM: Zone-11 N3655556 E485719 **Elevation (ft):** 276
PLSS: T13S, R03W, Sec. 14, SE (S) **Acres:** 2.0

Location: SOUTHEAST OF SAN DIEGUITO RIVER, APPROXIMATELY 1.5 AIR MILES WSW OF LAKE HODGES DAM.

Detailed Location: MAPPED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2004 HELIX MAP. SITE CONTAINS A MIX OF RESTORED AND CREATED VERNAL POOLS.

Ecological: VERNAL POOLS. ASSOCIATED WITH BRODIAEA ORCUTTII, NAVARRETIA FOSSALIS, ERYNGIUM ARISTULATUM, DOWNINGIA CUSPIDATA, PLAGIOBOTHRYS ACANTHOCARPUS, PSILOCARPHUS BREVISSIMUS, COTULA CORONOPIFOLIA, ELEOCHARIS MACROSTACHYA, JUNCUS BUFONIUS, ETC.

General: POGOGYNE WAS NOT OBSERVED ON THIS SITE PRIOR TO RESTORATION OF THESE POOLS. OBSERVED IN 1-3 POOLS IN 2004. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2011. 1 PLANT OBSERVED IN 2016 AND 2019.

Owner/Manager: PVT



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Salvia munzii				Element Code: PDLAM1S140	
Munz's sage					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 2B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank			
Habitat:	General:	COASTAL SCRUB, CHAPARRAL.			
	Micro:	ROLLING HILLS AND SLOPES, IN ROCKY SOIL. 35-575 M.			
Occurrence No.	45	Map Index:	99142	EO Index:	100665
Occ. Rank:	Unknown	Presence:	Presumed Extant	Element Last Seen:	2013-03-26
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Site Last Seen:	2013-03-26
				Record Last Updated:	2016-02-09
Quad Summary:	Rancho Santa Fe (3311712)				
County Summary:	San Diego				
Lat/Long:	33.0444 / -117.13104			Accuracy:	80 meters
UTM:	Zone-11 N3656217 E487765			Elevation (ft):	164
PLSS:	T13S, R02W, Sec. 18, NW (S)			Acres:	5.0
Location:	IN THE CANYON TO THE SW OF LAKE HODGES JUST BELOW THE DAM, EAST OF DEL DIOS HIGHWAY, SOUTH OF ESCONDIDO.				
Detailed Location:	ALONG AN OLD DIRT ROAD. MAPPED ACCORDING TO 2013 REBMAN COORDINATES, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 18.				
Ecological:	COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, ERIOGONUM FASCICULATUM, MALOSMA LAURINA, BACCHARIS SALICIFOLIA, B. SAROTHROIDES, AND MIMULUS AURANTIACUS.				
General:	ONLY 1 PLANT SEEN IN 2013; POSSIBLY ESCAPED FROM A RESTORATION SITE NEARBY.				
Owner/Manager:	CITY OF SAN DIEGO				



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Sidalcea neomexicana

Element Code: PDMAL110J0

salt spring checkerbloom

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G4

State: None

State: S2

Other: Rare Plant Rank - 2B.2, USFS_S-Sensitive

Habitat: **General:** PLAYAS, CHAPARRAL, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MOJAVEAN DESERT SCRUB.

Micro: ALKALI SPRINGS AND MARSHES. 3-2380 M.

Occurrence No. 18 **Map Index:** 27999 **EO Index:** 105311 **Element Last Seen:** 1940-04-14
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1940-04-14
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-02-09

Quad Summary: San Luis Rey (3311723), Oceanside (3311724)

County Summary: San Diego

Lat/Long: 33.19540 / -117.37726 **Accuracy:** 1 mile
UTM: Zone-11 N3673012 E464835 **Elevation (ft):**
PLSS: T11S, R05W, Sec. 26 (S) **Acres:** 0.0

Location: NEAR OCEANSIDE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE GENERAL VICINITY OF OCEANSIDE.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1940 THOMAS COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Abronia villosa var. aurita

Element Code: PDNYC010P1

chaparral sand-verbena

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G5T2?

State: None

State: S2

Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive

Habitat: **General:** CHAPARRAL, COASTAL SCRUB, DESERT DUNES.

Micro: SANDY AREAS. -60-1570 M.



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Occurrence No.	76	Map Index:	79110	EO Index:	80071	Element Last Seen:	2012-02-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-02-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-18
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.32682 / -117.33057				Accuracy:	specific area	
UTM:	Zone-11 N3687569 E469234				Elevation (ft):	100	
PLSS:	T10S, R04W, Sec. 8, NW (S)				Acres:	43.0	
Location:	CAMP PENDLETON MARINE CORPS BASE; SANTA MARGARITA FLOODPLAIN, WEST OF O'NEILL LAKE.						
Detailed Location:	OLD HOLDING PONDS EAST OF SANTA MARGARITA FLOODPLAIN. MAPPED AS 6 POLYGONS BY CNDDDB BASED ON 2008 CAMP PENDLETON DIGITAL DATA AND 2012 REBMAN COORDINATES. NEAR THE COMMON CORNER OF SECTIONS 5, 6, 7, & 8.						
Ecological:	SANDY SOILS. RUDERAL/RIPARIAN DOMINATED BY ERIOGONUM GRACILE VAR. INCULTUM, LASTARRIAEA CORIACEA, BROMUS DIANDRUS, PLATANUS RACEMOSA, BACCHARIS SALICIFOLIA, QUERCUS AGRIFOLIA, SALIX LASIOLEPIS, S. LAEVIGATA, S. EXIGUA, LOTUS HEERMANNII ETC.						
General:	3053 PLANTS OBSERVED THROUGHOUT SITE IN 2008. "UNCOMMON" IN SECOND FROM NORTH-MOST POLYGON IN 2012.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	77	Map Index:	79111	EO Index:	80072	Element Last Seen:	2013-05-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-05-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2022-10-05
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.31669 / -117.33734				Accuracy:	specific area	
UTM:	Zone-11 N3686447 E468600				Elevation (ft):	90	
PLSS:	T10S, R04W, Sec. 7, SE (S)				Acres:	13.0	
Location:	CAMP PENDLETON MARINE CORPS BASE; E OF BASILONE RD AND NE OF AIRSTRIP ALONG VANDEGRIFT BLVD, SANTA MARGARITA FLOODPLAIN.						
Detailed Location:	TRAINING AREA SMR2. MAPPED AS 2 POLYGONS. NORTH POLYGON MAPPED ON NW SIDE OF SANTA MARGARITA RIVER BASED ON 2013 REBMAN COORDINATES. SOUTH POLYGON MAPPED NEAR DIRT ROAD TO CDM NORTH OF VANDEGRIFT BLVD BASED ON 2008 REBMAN COORDINATES.						
Ecological:	MOSTLY SANDY SUBSTRATES. RIPARIAN/OAK WOODLAND WITH QUERCUS AGRIFOLIA, SALIX SPP., BACCHARIS SALICIFOLIA, B. PILULARIS, PLATANUS RACEMOSA, ARTEMISIA CALIFORNICA, A. DOUGLASIANA, VITIS GIRDIANA, ERIOGONUM FASCICULATUM, AND SAMBUCUS MEXICANA.						
General:	SITE BASED ON 2008 AND 2013 REBMAN COLLECTIONS. SOUTH POLYGON: PLANTS DESCRIBED AS "RARE" IN 2008. NORTH POLYGON: ABOUT 5 PLANTS SEEN IN 2013.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	78	Map Index:	79112	EO Index:	80073	Element Last Seen:	2008-06-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-06-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-06-21
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30501 / -117.35634				Accuracy:	80 meters	
UTM:	Zone-11 N3685158 E466827				Elevation (ft):	65	
PLSS:	T10S, R05W, Sec. 13, SE (S)				Acres:	0.0	
Location:	CAMP PENDLETON MARINE CORPS BASE; S OF STAGECOACH RD & N OF AIRSTRIP ALONG VANDEGRIFT BLVD, SANTA MARGARITA FLOODPLAIN.						
Detailed Location:							
Ecological:	MOSTLY WET, MUDDY, OR SANDY SUBSTRATES. RIPARIAN WITH SALIX SPP., SCHOENOPLECTUS SPP., BACCHARIS SALICIFOLIA, BACCHARIS PILULARIS, XANTHIUM STRUMARIUM, URTICA DIOICA, AND JUNCUS SPP.						
General:	SITE BASED ON A 2008 REBMAN ET AL COLLECTION; MENTIONED AS "RARE" IN 2008.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	101	Map Index:	A2594	EO Index:	104183	Element Last Seen:	2014-05-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-15
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.34249 / -117.33129				Accuracy:	80 meters	
UTM:	Zone-11 N3689305 E469172				Elevation (ft):	120	
PLSS:	T10S, R04W, Sec. 5, NW (S)				Acres:	5.0	
Location:	CAMP PENDLETON; ALONG SANTA MARGARITA RIVER 0.2 AIR MILE WEST OF SANTA MARGARITA ROAD NW OF THE HOSPITAL.						
Detailed Location:	TRAINING AREA INDIA. MAPPED BY CNDDB IN THE NW 1/4 OF THE NW 1/4 OF SECTION 5, BASED ON 2014 REBMAN COORDINATES.						
Ecological:	RIPARIAN. ASSOCIATES INCLUDE QUERCUS AGRIFOLIA, PLATANUS RACEMOSA, ROSA CALIFORNICA, SALIX LASIOLEPIS, SAMBUCUS NIGRA, CONIUM MACULATUM, AND TOXICODENDRON DIVERSILOBUM.						
General:	ABOUT 3 PLANTS OBSERVED IN 2014.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	102	Map Index:	A2595	EO Index:	104184	Element Last Seen:	2014-05-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2014-05-08	Record Last Updated:	2016-11-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36119 / -117.32249			Accuracy:	80 meters		
UTM:	Zone-11 N3691376 E469998			Elevation (ft):	145		
PLSS:	T09S, R04W, Sec. 29, SE (S)			Acres:	5.0		
Location:	CAMP PENDLETON; ALONG SANTA MARGARITA RIVER AT MOUTH OF DE LUZ CREEK, ABOUT 0.1 AIR MILE SW OF DE LUZ RD CROSSING.						
Detailed Location:	TRAINING AREA INDIA. MAPPED BY CNDDB IN THE SW 1/4 OF THE SE 1/4 OF SECTION 29, BASED ON 2014 REBMAN COORDINATES.						
Ecological:	RIPARIAN. ASSOCIATES INCLUDE QUERCUS AGRIFOLIA, PLATANUS RACEMOSA, SALIX LASIOLEPIS, S. LAEVIGATA, BACCHARIS SALICIFOLIA, TOXICODENDRON DIVERSILOBUM, ARTEMISIA DOUGLASIANA, AND VITIS GIRDIANA.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2014 REBMAN COLLECTION; MENTIONED AS "RARE" IN 2014.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Clarkia delicata

Element Code: PDONA050D0

delicate clarkia

Listing Status: **Federal:** None **CNDDDB Element Ranks:** **Global:** G3
State: None **State:** S3
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat: **General:** CISMONTANE WOODLAND, CHAPARRAL.
Micro: OFTEN ON GABBRO SOILS. 95-1800 M.

Occurrence No. 26 **Map Index:** 89505 **EO Index:** 47263 **Element Last Seen:** 2012-04-14
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2012-04-14
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2013-07-05

Quad Summary: Escondido (3311711)

County Summary: San Diego

Lat/Long: 33.01633 / -117.01414 **Accuracy:** 1/10 mile
UTM: Zone-11 N3653097 E498679 **Elevation (ft):** 700
PLSS: T13S, R01W, Sec. 29, NW (S) **Acres:** 0.0

Location: HILLSIDE ALONG TRAIL AT BLUE SKY ECOLOGICAL RESERVE.

Detailed Location: MAPPED ACCORDING TO COORDINATES AND LOCATION ACCURACY PROVIDED ON A 2012 OBSERVATION RECORD BY KEISER IN CALFLORA.

Ecological: OAK WOODLAND AND CHAPARRAL ON CANYON BOTTOM AND LOWER SLOPES. ON ROADSIDE BANK. HILLSIDE ALONG TRAIL, IN GRASS UNDER BUSH MONKEYFLOWER.

General: A 1995 HANSON COLLECTION FROM "BLUE SKY ECOLOGICAL RESERVE, GREEN VALLEY TRUCK TRAIL" AND A 2005 SANDERS COLLECTION FROM THE RESERVE "ALONG ROAD IN LOWER CANYON BELOW TURNOFF TO LAKE POWAY" ARE ALSO ATTRIBUTED HERE. "UNCOMMON" IN 2005.

Owner/Manager: DFG-BLUE SKY ER

Occurrence No. 90 **Map Index:** 04182 **EO Index:** 90582 **Element Last Seen:** 1929-05-06
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1929-05-06
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2013-06-26

Quad Summary: Pala (3311731), Pechanga (3311741)

County Summary: San Diego

Lat/Long: 33.36447 / -117.07586 **Accuracy:** 1 mile
UTM: Zone-11 N3691696 E492942 **Elevation (ft):** 400
PLSS: T09S, R02W, Sec. 27 (S) **Acres:** 0.0

Location: NEAR PALA, PALOMAR MOUNTAINS REGION, NE SAN DIEGO COUNTY.

Detailed Location: MAPPED AS BEST GUESS IN THE VICINITY OF PALA.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1929 DEAN COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN



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Aphyllon parishii ssp. brachylobum

Element Code: PDORO040A2

short-lobed broomrape

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G4?T4

State: None

State: S3

Other: Rare Plant Rank - 4.2

Habitat: **General:** COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

Micro: SANDY SOIL NEAR BEACHES; REPORTED TO GROW ON ISOCOMA MENZIESII AND OTHER SHRUBS. 3-305 M.

Occurrence No. 22 **Map Index:** 26617 **EO Index:** 1350 **Element Last Seen:** 198X-XX-XX

Occ. Rank: None **Presence:** Possibly Extirpated **Site Last Seen:** 198X-XX-XX

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1995-12-06

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.02925 / -117.25548 **Accuracy:** non-specific area

UTM: Zone-11 N3654558 E476142 **Elevation (ft):** 20

PLSS: T13S, R04W, Sec. 24, NE (S) **Acres:** 75.6

Location: EAST OF TOWN OF ENCINITAS, IN LUX CANYON.

Detailed Location: MAPPED AT CNDDDB AS BEST GUESS IN LUX CANYON FROM 0.6 MILE TO 1.7 MI SOUTH OF ENCINITAS BLVD. LOCATION UNCERTAIN.

Ecological: GROWING IN SANDY CANYON BOTTOM.

General: ACCORDING TO REISER, THIS SITE IS POSSIBLY EXTIRPATED.

Owner/Manager: PVT

Chorizanthe orcuttiana

Element Code: PDPGN040G0

Orcutt's spineflower

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G1

State: Endangered

State: S1

Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

Habitat: **General:** COASTAL SCRUB, CHAPARRAL, CLOSED-CONE CONIFEROUS FOREST.

Micro: SANDY SITES AND OPENINGS; SOMETIMES IN TRANSITION ZONES. 3-125 M.



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Occurrence No.	6	Map Index:	51140	EO Index:	41252	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-03-18
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02019 / -117.20580				Accuracy:	1 mile	
UTM:	Zone-11 N3653544 E480779				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 29 (S)				Acres:	0.0	
Location:	RANCHO SANTA FE HILLTOP.						
Detailed Location:	EXACT LOCATION NOT KNOWN, SITE MAPPED IN GENERAL VICINITY OF RANCHO SANTA FE. HARDHAM RECALLS THAT PLANTS WERE CLOSE TO AND EAST OF HWY 101 AND UNDER PINES; GUESSED THAT THEY WERE TORREY PINES (HARDHAM 1999).						
Ecological:	ON A HILLTOP IN SANDY SOIL UNDER TORREY PINES.						
General:	ONLY SOURCE OF INFORMATION FOR THIS LOCATION IS VAGUE SITE MAP BY HARDHAM (1981). NEEDS FIELD VERIFICATION.						
Owner/Manager:	UNKNOWN						

Occurrence No.	7	Map Index:	03586	EO Index:	21129	Element Last Seen:	1938-05-04
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1938-05-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-05-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04571 / -117.25509				Accuracy:	1/5 mile	
UTM:	Zone-11 N3656383 E476182				Elevation (ft):	190	
PLSS:	T13S, R04W, Sec. 13, NW (S)				Acres:	0.0	
Location:	2.5 MILES EAST OF ENCINITAS, ON ROAD TO OLIVENHAIN.						
Detailed Location:							
Ecological:							
General:	SITE BASED ON A 1938 GANDER COLLECTION. ACCORDING TO D. HOGAN, POTENTIAL HABITAT STILL EXISTS IN THIS AREA; SURVEYS NEEDED. POSSIBLY THE OLD DUMP SITE? 2001 REISER REPORT INDICATED THAT SITE IS PROBABLY EXTIRPATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	10	Map Index:	85866	EO Index:	9512	Element Last Seen:	2005-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2017-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2018-12-13
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04507 / -117.26498				Accuracy:	80 meters	
UTM:	Zone-11 N3656315 E475258				Elevation (ft):	320	
PLSS:	T13S, R04W, Sec. 14, NW (S)				Acres:	0.0	
Location:	OAK CREST PARK, SOUTH SIDE OF ENCINITAS BLVD, ABOUT 1/4 MILE WEST OF EL CAMINO REAL, ENCINITAS.						
Detailed Location:	THERE WERE 2 COLONIES OBSERVED HERE; ONE WAS EXTIRPATED BY PARKING LOT. REMAINING POPULATION IS BOUNDED BY BIKE PATH TO THE NORTH, ERODED SANDSTONE TO THE SOUTH, HILLSIDE TO THE WEST, AND GRASSLAND PARK TO THE EAST.						
Ecological:	IN SANDY SUBSTRATE IN OPENING IN MARITIME CHAPARRAL. ASSOCIATED WITH YUCCA SCHIDIGERA, SALVIA MELLIFERA, CEANOETHUS VERRUCOSUS, ERIODICTYON CRASSIFOLIUM, RHUS INTEGRIFOLIA, CAMISSONIA BISTORTA ET AL. ON UNCONSOLIDATED, WHITISH, SANDY SOILS.						
General:	12 PLANTS IN THE 1970'S, ~20 PLANTS IN 1991 AND 1995, 24 IN 1996, 70 IN 1997, 20 IN 1999, 1 IN 2000, 6 IN 2005. NO PLANTS OBSERVED DURING SURVEYS SOMETIME IN 2015-2017; FORMER SMALL OPENING IS NOW OVERGROWN. INCLUDES FORMER EOS #1 & 11.						
Owner/Manager:	CITY OF ENCINITAS						

Chorizanthe polygonoides var. longispina

Element Code: PDPGN040K1

long-spined spineflower

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5T3
	State:	None		State:	S3
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank			
Habitat:	General:	CHAPARRAL, COASTAL SCRUB, MEADOWS AND SEEPS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.			
	Micro:	GABBROIC CLAY. 30-1630 M.			

Occurrence No.	9	Map Index:	77791	EO Index:	2189	Element Last Seen:	2000-06-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-06-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-01-07
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04456 / -117.26557				Accuracy:	1/10 mile	
UTM:	Zone-11 N3656259 E475203				Elevation (ft):	341	
PLSS:	T13S, R04W, Sec. 14, NW (S)				Acres:	0.0	
Location:	OAK CREST PARK; SOUTH OF ENCINITAS BLVD AND NORTH OF OAK CREST JUNIOR HIGH SCHOOL, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDB AS BEST GUESS IN WESTERN PORTION OF OAK CREST PARK, SOUTH OF LAWN AND PLAYGROUND.						
Ecological:	OPEN, GRAVELLY AREA ON LINDA VISTA FORMATION WITH EXPOSED HARDPAN, LOOSE SAND, AND IRON CONCRETIONS. NEAR OPEN SALVIA MELLIFERA-CNEORIDIUM DUMOSUM SCRUB. ASSOCIATED WITH OSMADENIA TENELLA, CARDIONEMA RAMOSISSIUM, AND HEMIZONIA FASCICULATA.						
General:	MENTIONED AS "LOCALLY COMMON" IN 1978. MOST RECENTLY SEEN IN 2000.						
Owner/Manager:	CITY OF ENCINITAS						

Nemacaulis denudata var. denudata

Element Code: PDPGN0G011

coast woolly-heads

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4T2
	State:	None		State:	S2



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Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank		
Habitat:	General:	COASTAL DUNES.	
	Micro:	0-5 M.	

Occurrence No.	8	Map Index:	28001	EO Index:	3959	Element Last Seen:	2015-03-24
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-03-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-11
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14485 / -117.33835				Accuracy:	specific area	
UTM:	Zone-11 N3667397 E468444				Elevation (ft):	12	
PLSS:	T12S, R04W, Sec. 7, S (S)				Acres:	5.0	
Location:	NORTH SIDE OF AGUA HEDIONDA LAGOON, JUST WEST OF RAILROAD TRACKS, JUST SOUTH OF CARLSBAD.						
Detailed Location:	JUST SE OF HUBBS SEAWORD FISH HATCHERY. MAPPED ACCORDING TO 2015 KENTNER DIGITAL DATA, JUST SOUTH OF THE CENTER OF SECTION 7.						
Ecological:	DEGRADED SANDY FLAT WITH CAMISSONIOPSIS BISTORTA, GLEBIONIS CORONATA, ACMISPON GLABER, CRASSULA CONNATA, LIMONIUM PEREZII, AND ISOCOMA MENZIESII VAR. VERNONIOIDES.						
General:	900 PLANTS OBSERVED IN 2015. A 1959 RAVEN COLLECTION FROM "SANDY BEACH NEAR ENCINA POWER STATION, JUST S OF CARLSBAD" IS ALSO ATTRIBUTED TO THIS SITE; PLANTS DESCRIBED AS "COMMON."						
Owner/Manager:	PVT						
Occurrence No.	13	Map Index:	86411	EO Index:	19120	Element Last Seen:	2015-03-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-03-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-07
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.00479 / -117.27771				Accuracy:	specific area	
UTM:	Zone-11 N3651852 E474059				Elevation (ft):	10	
PLSS:	T13S, R04W, Sec. 34, N (S)				Acres:	11.0	
Location:	WEST END OF SAN ELIJO LAGOON; BOTH SIDES OF HIGHWAY 101.						
Detailed Location:	MOST PLANTS ON THE EAST SIDE OF HIGHWAY 101 AND ARE FENCED AND MANAGED. MAPPED ACCORDING TO 2012 CNPS DIGITAL DATA AND 2015 KENTNER DIGITAL DATA.						
Ecological:	DISTURBED SAND DUNE. ASSOCIATED WITH LOTUS NUTTALLIANUS, ABRONIA MARITIMA, CAMISSONIA SP., CARPOBROTUS EDULIS, AND CHAENACTIS GLABRIUSCULA.						
General:	~1.25 MILLION PLANTS ESTIMATED IN 2012. 200,000 PLANTS ESTIMATED IN 2015; LARGE NUMBER OF SEEDLINGS THAT LIKELY WILL NOT MAKE IT TO MATURITY.						
Owner/Manager:	DFG, DPR						



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Occurrence No.	14	Map Index:	28000	EO Index:	2188	Element Last Seen:	1933-04-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1933-04-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-07-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05378 / -117.29972				Accuracy:	non-specific area	
UTM:	Zone-11 N3657288 E472018				Elevation (ft):		
PLSS:	T13S, R04W, Sec. 09, W (S)				Acres:	157.0	
Location:	COAST NORTH OF ENCINITAS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG BEACHES AROUND AND JUST NORTH OF ENCINITAS.						
Ecological:	SAND BEACH.						
General:	OCCURRENCE IS BASED ON A 1928 MEYER COLLECTION FROM "COAST NORTH OF ENCINITAS" AND A 1933 DUNKLE COLLECTION FROM "BEACH NEAR ENCINITAS." NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	34	Map Index:	86433	EO Index:	87472	Element Last Seen:	2015-03-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-03-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-09-08
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08581 / -117.31093				Accuracy:	specific area	
UTM:	Zone-11 N3660843 E470982				Elevation (ft):	15	
PLSS:	T99X, R99X, Sec. UN, W (X)				Acres:	21.0	
Location:	NEAR MOUTH OF BATIQUITOS LAGOON, BETWEEN 0.5 AND 0.9 AIR MILE SSE OF PONTO.						
Detailed Location:	WITHIN AND SOUTH OF CDFG ENCLOSURES W1 AND W2. MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO 2011 DIGITAL DATA PROVIDED BY CNPS AND 2015 KENTNER DIGITAL DATA.						
Ecological:	SAND, LOW COVER. ASSOCIATED WITH CARPOBROTUS EDULIS, HETEROTHECA GRANDIFLORA, FRANKENIA SALINA, CAMISSONIOPSIS CHEIRANTHIFOLIA, DISTICHLIS SPICATA, AND ABRONIA MARITIMA.						
General:	~10,000 PLANTS (MOSTLY SEEDLINGS, EXPECT MAJOR MORTALITY THROUGH SELF THINNING) OBSERVED IN 2011. ~361,000 PLANTS (MOSTLY SEEDLINGS) OBSERVED IN 2015.						
Owner/Manager:	DFG, DPR, OTHERS						



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Nemacaulis denudata var. gracilis

Element Code: PDPGN0G012

slender cottonheads

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3G4T3?
State: None **State:** S2
Other: Rare Plant Rank - 2B.2
Habitat: **General:** COASTAL DUNES, DESERT DUNES, SONORAN DESERT SCRUB.
Micro: IN DUNES OR SAND. -45-745 M.

Occurrence No. 4 **Map Index:** 27999 **EO Index:** 8423 **Element Last Seen:** 1923-06-20
Occ. Rank: None **Presence:** Possibly Extirpated **Site Last Seen:** 1923-06-20
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-04-12

Quad Summary: San Luis Rey (3311723), Oceanside (3311724)

County Summary: San Diego

Lat/Long: 33.19540 / -117.37726 **Accuracy:** 1 mile
UTM: Zone-11 N3673012 E464835 **Elevation (ft):** 15
PLSS: T11S, R05W, Sec. 26 (S) **Acres:** 0.0

Location: OCEANSIDE.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS AT OCEANSIDE.

Ecological: MARSHY, SEA BEACHES. SAND DUNES NEAR THE SEA.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1923 WOODCOCK COLLECTION; MENTIONED AS "COMMON IN SAND DUNES NEAR THE SEA" IN 1923. NEEDS FIELDWORK. N. D. VAR. DENUDATA IS ALSO MAPPED HERE; ID OF WOODCOCK SPECIMEN SHOULD BE VERIFIED.

Owner/Manager: UNKNOWN

Navarretia fossalis

Element Code: PDPLM0C080

spreading navarretia

Listing Status: **Federal:** Threatened **CNDDB Element Ranks:** **Global:** G2
State: None **State:** S2
Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat: **General:** VERNAL POOLS, CHENOPOD SCRUB, MARSHES AND SWAMPS, PLAYAS.
Micro: SAN DIEGO HARDPAN AND SAN DIEGO CLAYPAN VERNAL POOLS; IN SWALES AND VERNAL POOLS, OFTEN SURROUDED BY OTHER HABITAT TYPES. 15-850 M.



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Occurrence No.	13	Map Index:	03898	EO Index:	18457	Element Last Seen:	1979-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2009-09-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-10-06
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01858 / -117.15814				Accuracy:	specific area	
UTM:	Zone-11 N3653358 E485230				Elevation (ft):	430	
PLSS:	T13S, R03W, Sec. 26, NE (S)				Acres:	2.2	
Location:	1.25 AIR MILE EAST OF JUNCTION OF EL MIRADOR ROAD AND EL VUELO ROAD, EAST OF RANCHO SANTA FE.						
Detailed Location:	FOUND IN FISH & GAME (BEAUCHAMP) POOL COMPLEX "DD1". THIS POOL COMPLEX CONTAINED 3 VERNAL POOLS IN 1979.						
Ecological:	VERNAL POOLS IN SCRUB. 420-460 FEET.						
General:	FOUND BY BEAUCHAMP IN THIS VERNAL POOL COMPLEX IN 1979. NOT RELOCATED IN 1986. IN 2009, SITES WERE UNDER HOUSES OR WITHIN LANDSCAPING; SOME MIMA MOUND TOPOGRAPHY ADJACENT TO SITE BUT NO EVIDENT PONDING; PROBABLY EXTIRPATED.						
Owner/Manager:	PVT						

Occurrence No.	14	Map Index:	73621	EO Index:	7724	Element Last Seen:	2009-04-28
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2009-04-28
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2016-08-01
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13607 / -117.19729				Accuracy:	specific area	
UTM:	Zone-11 N3666389 E481598				Elevation (ft):	530	
PLSS:	T12S, R03W, Sec. 16, NE (S)				Acres:	6.0	
Location:	ABOUT 1-1.7 KM (0.6-1.1 MI) SOUTH OF HWY 78/RANCHO SANTA FE ROAD JUNCTION, SAN MARCOS.						
Detailed Location:	FISH & GAME (BEAUCHAMP) POOL COMPLEXES L1, L9 & L10 (A TOTAL OF 8 VERNAL POOLS IN THESE COMPLEXES). SOUTH-MOST POLYGON BASED ON A 2003 ROBERTS MAP.						
Ecological:	VERNAL POOLS IN GRASSLAND; ASSOC WITH ERYNGIUM ARISTULATUM PARISHII, ACANTHOMINTHA ILICIFOLIA, BRODIAEA ORCUTTII, B. FILIFOLIA & HOLOCARPHA VIRGATA. S-MOST VERNAL POOL ASSOCIATED WITH PSILOCARPHUS BREVISSIMUS, RUMEX CRISPUS, LYTHRUM, ETC.						
General:	SEEN BY BEAUCHAMP IN THESE POOL COMPLEXES IN 1979. SEEN IN N POLY IN 1978, 1983, APRIL OF 1986 (NOT SEEN IN MAY OF 1986), & IN 1995. 40 PLANTS SEEN IN 2003 (S-MOST POLY). UNKNOWN NUMBER OF PLANTS OBSERVED IN 2009. INCL FORMER EO #15 & 18.						
Owner/Manager:	PVT						



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Occurrence No.	16	Map Index:	03877	EO Index:	18454	Element Last Seen:	1937-05-11
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2009-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-10-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16031 / -117.16030				Accuracy:	1 mile	
UTM:	Zone-11 N3669070 E485052				Elevation (ft):	620	
PLSS:	T12S, R03W, Sec. 02 (S)				Acres:	0.0	
Location:	1 MILE NORTH OF SAN MARCOS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ABOUT 1 MILE NORTH OF SAN MARCOS IN VICINITY OF TWIN OAKS VALLEY ROAD.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1937 GANDER COLLECTION. ROBERTS SEARCHED AREA IN 2009 AND THINKS IT IS LIKELY THAT THIS OCCURRENCE IS EXTIPATED; 95% OF THE HABITAT IN THIS AREA HAS BEEN DEVELOPED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	29	Map Index:	B7748	EO Index:	7732	Element Last Seen:	2021-05-18
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2021-05-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-08-31
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13876 / -117.18433				Accuracy:	specific area	
UTM:	Zone-11 N3666686 E482808				Elevation (ft):	547	
PLSS:	T12S, R03W, Sec. 10, SW (S)				Acres:	2.0	
Location:	SOUTHWEST OF THE INTERSECTION OF SOUTH BENT AVENUE AND GRAND AVENUE, SAN MARCOS.						
Detailed Location:	FOUND IN FISH & GAME (BEAUCHAMP) VERNAL POOL COMPLEXES "L11", "L12", & "L13" AND HOGAN PARCEL 219-33. MAPPED ACCORDING TO 2016 AND 2021 INATURALIST COORDINATES, MOSTLY IN THE SE 1/4 OF THE SW 1/4 OF SECTION 10.						
Ecological:	GROWING IN VERNAL POOLS IN ASSOCIATION WITH ACANTHOMINTHA ILICIFOLIA, BRODIAEA FILIFOLIA, B. JOLOENSIS, B. ORCUTTII, DOWNINGIA CUSPIDATA, ERYNGIUM ARISTULATUM VAR. PARISHII, JUNCUS, AND RUMEX. NATIVE BUNCH GRASSES SURROUND.						
General:	SEEN IN THIS COMPLEX IN 1979. NOT SEEN IN 1986. HOGAN (1991) RECOMMENDS SITE BE GIVEN HIGHEST PRIORITY FOR CONSERVATION IN SAN MARCOS AREA; SITE HAS NEVER BEEN MOWED/GRUBBED FOR FIRE SAFETY. UNKNOWN NUMBER OF PLANTS IN 1993, 2016, & 2021.						
Owner/Manager:	PVT						



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Occurrence No.	35	Map Index:	38916	EO Index:	33923	Element Last Seen:	1989-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-02-09
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10781 / -117.31791				Accuracy:	non-specific area	
UTM:	Zone-11 N3663284 E470338				Elevation (ft):	60	
PLSS:	T12S, R04W, Sec. 29, N (S)				Acres:	24.5	
Location:	POINSETTIA STATION, ALONG AT&SF RR RIGHT-OF-WAY EAST OF SOUTH CARLSBAD STATE BEACH, CARLSBAD.						
Detailed Location:	ALONG EAST SIDE OF TRACKS.						
Ecological:	IN HIGHLY DISTURBED VERNAL SWALE/DEPRESSION. OTHER PLANTS IN OR NEAR THIS DEPRESSION INCLUDE PSILOCARPHUS BREVISSIMUS, ELEOCHARIS MACROSTACHYA, ANAGALIS MINIMUS, AND VARIOUS ANNUAL GRASSES AND WEEDS.						
General:	THE RARE ERYNGIUM ARISTULATUM SSP. PARISHII IS ALSO FOUND IN THIS AREA. AREA LOOKS TO HAVE BEEN DEVELOPED BASED ON 2008 AERIAL IMAGERY; NEEDS FIELDWORK.						
Owner/Manager:	PVT						

Occurrence No.	80	Map Index:	93530	EO Index:	94665	Element Last Seen:	2019-01-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-01-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-08-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0382 / -117.15305				Accuracy:	specific area	
UTM:	Zone-11 N3655533 E485709				Elevation (ft):	275	
PLSS:	T13S, R03W, Sec. 14, SE (S)				Acres:	3.0	
Location:	SOUTH OF SAN DIEGUITO RIVER, APPROXIMATELY 1.5 AIR MILES WSW OF LAKE HODGES DAM.						
Detailed Location:	THE CROSBY ESTATES. MAPPED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 14 ACCORDING TO A 2004 HELIX MAP AND 2016 BRUNO COORDINATES. SITE CONTAINS A MIX OF RESTORED AND CREATED VERNAL POOLS.						
Ecological:	VERNAL POOLS. ASSOCIATED WITH CRASSULA AQUATICA, ERYNGIUM ARISTULATUM, PILULARIA AMERICANA, PSILOCARPHUS BREVISSIMUS, DOWNINGIA CUSPIDATA, ISOETES ORCUTTII, ETC.						
General:	228+ PLANTS OBSERVED IN 2004. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2011. 1413 PLANTS OBSERVED IN 2016. 3 PLANTS OBSERVED IN 2019.						
Owner/Manager:	PVT						



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Occurrence No.	81	Map Index:	93532	EO Index:	94668	Element Last Seen:	2011-05-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-05-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-01
Quad Summary:	San Luis Rey (3311723), Oceanside (3311724)						
County Summary:	San Diego						
Lat/Long:	33.22243 / -117.37421				Accuracy:	specific area	
UTM:	Zone-11 N3676009 E465131				Elevation (ft):	150	
PLSS:	T11S, R05W, Sec. 14, N (S)				Acres:	6.0	
Location:	BOTH SIDES OF CANYON JUST WEST OF TULEY CANYON, FROM 0.85 TO 1.25 AIR MILES WEST OF HUBBERT LAKE, CAMP PENDLETON MCB.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO 2013 DIGITAL DATA FROM CAMP PENDLETON MCB AND 2009 SOLOMESHCH COORDINATES.						
Ecological:	VERNAL POOLS.						
General:	EASTERN POLYGON: 1 PLANT SEEN IN 1998. WESTERN POLYGON: 5 PLANTS SEEN IN 2002. SOUTH-MOST POLYGON: 4 PLANTS SEEN IN 1998, 1 PLANT SEEN IN 2011. CENTER POLYGON BASED ON 2009 SOLOMESHCH COORDINATES.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

<i>Myosurus minimus ssp. apus</i>	Element Code:	PDRAN0H031
little mouseltail		
Listing Status:	Federal:	None
	State:	None
	Other:	Rare Plant Rank - 3.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat:	General:	VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
	Micro:	ALKALINE SOILS. 20-640 M.
CNDDDB Element Ranks:	Global:	G5T2Q
	State:	S2

Occurrence No.	27	Map Index:	38916	EO Index:	49652	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-12-16
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10781 / -117.31791				Accuracy:	non-specific area	
UTM:	Zone-11 N3663284 E470338				Elevation (ft):		
PLSS:	T12S, R04W, Sec. 29, N (S)				Acres:	24.5	
Location:	POINSETTIA STATION, CARLSBAD.						
Detailed Location:	LOCATION IDENTIFIED AS NEXT TO THE NEWLY CONSTRUCTED CARLSBAD POINTSETTIA TRAIN STATION.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS CITATION IN REISER'S RARE PLANTS OF SAN DIEGO COUNTY. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

<i>Adolphia californica</i>	Element Code:	PDRHA01010
California adolphia		
Listing Status:	Federal:	None
	State:	None
	Other:	Rare Plant Rank - 2B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
Habitat:	General:	CHAPARRAL, COASTAL SAGE SCRUB, VALLEY AND FOOTHILL GRASSLAND.
CNDDDB Element Ranks:	Global:	G3
	State:	S2



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Micro:		FROM SANDY/GRAVELLY TO CLAY SOILS WITHIN GRASSLAND, COASTAL SAGE SCRUB, OR CHAPARRAL; VARIOUS EXPOSURES. 5-335 M.					
Occurrence No.	2	Map Index:	17648	EO Index:	11627	Element Last Seen:	2015-07-02
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2015-07-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-05-23	
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14838 / -117.31753			Accuracy:	specific area		
UTM:	Zone-11 N3667781 E470387			Elevation (ft):	175		
PLSS:	T12S, R04W, Sec. 8, NE (S)			Acres:	3.0		
Location:	NE OF AGUA HEDIONDA LAGOON, WEST OF EL CAMINO REAL ROAD, BETWEEN SKYLINE ROAD AND NEBLINA DRIVE.						
Detailed Location:	NORTH SIDE OF HILLSIDE DRIVE. MAPPED ACCORDING TO 2015 MORSE DIGITAL DATA, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 8.						
Ecological:	IN SANDY TO COBBLY CEMENTED/THIN SOIL. COASTAL SAGE SCRUB, ASSOCIATED WITH ARTEMISIA CALIFORNICA, STIPA LEPIDA, YUCCA SCHIDIGERA, AND BOTHRIOCHLOA BARBINODIS. E AND S ASPECTS. 0-45 DEGREE SLOPES.						
General:	100+ PLANTS SEEN IN 1981. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015.						
Owner/Manager:	PVT						
Occurrence No.	3	Map Index:	17645	EO Index:	12819	Element Last Seen:	2015-07-06
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2015-07-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-06-05	
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14487 / -117.27356			Accuracy:	specific area		
UTM:	Zone-11 N3667381 E474487			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 11 (S)			Acres:	411.0		
Location:	VICINITY OF EVANS POINT EXTENDING EAST TO MT. MARRON, BOTH SIDES OF AGUA HEDIONDA CREEK, EAST OF CARLSBAD.						
Detailed Location:	MANY POLYGONS MAPPED ACCORDING TO MAP DATA FROM 1981-2008, VEGETATION SURVEY COORDINATES FROM 2009, 2010 & 2013, AND 2015 MORSE COORDINATES.						
Ecological:	IN HEAVY CLAY SOILS ON GENTLE AND MODERATE SLOPES. COASTAL SAGE SCRUB. ASSOCIATED WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SELAGINELLA CINERASCENS, NASSELLA PULCHRA, SALVIA MELLIFERA, BROMUS RUBENS, MALOSMA LAURINA, ETC.						
General:	POPULATION NUMBERS FOR PORTIONS OF EO: 1000-10,000 PLANTS IN 1984, 1000S IN 1997, 100S IN 1998. UNKNOWN NUMBER OF PLANTS SEEN IN 2003, 2004, 2006, 2009, 2010, 2013, AND 2015. INCLUDES FORMER EO #S 29, 42-44.						
Owner/Manager:	DFG-CARLSBAD HIGHLANDS ER, PVT						



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Occurrence No.	4	Map Index:	17646	EO Index:	24066	Element Last Seen:	2013-05-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-06-19
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16625 / -117.29328				Accuracy:	specific area	
UTM:	Zone-11 N3669756 E472655				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 3 (S)				Acres:	241.0	
Location:	ROUGHLY 0.7 AIR MILE IN ALL DIRECTIONS FROM THE INTERSECTION OF CARLSBAD VILLAGE DRIVE AND COLLEGE BLVD, CARLSBAD.						
Detailed Location:	MANY POLYGONS MAPPED ACCORDING TO A 1990 BRADNEY MAP, 1992 DUDEK & ASSOCIATES MAP, 2008 CNLM DIGITAL DATA, AND 2013 FOSKET COORDINATES.						
Ecological:	IN COASTAL SAGE SCRUB AND OPENINGS IN CHAMISE CHAPARRAL WITH ARTEMISIA CALIFORNICA, DICHONDRA OCCIDENTALIS, ADENOSTOMA FASCICULATUM, AND XYLOCOCCUS BICOLOR.						
General:	POP NUMBERS ARE FOR PARTS OF OCCURRENCE: ~1000 PLANTS SEEN IN 1990, MANY LARGE EXTENTS MAPPED IN 1992, UNKNOWN NUMBER SEEN IN 2003, 614 PLANTS IN 2004, UNKNOWN NUMBER IN 2007/2008, 2010 AND 2013. INCLUDES FORMER EO #5.						
Owner/Manager:	PVT, CNLM						

Occurrence No.	10	Map Index:	17778	EO Index:	10006	Element Last Seen:	2001-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-07-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05983 / -117.19822				Accuracy:	non-specific area	
UTM:	Zone-11 N3657937 E481495				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 09 (S)				Acres:	160.4	
Location:	NORTH SIDE OF ESCONDIDO CREEK, FROM 0.7 TO 1.5 MILES NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	2 CNDDB POLYGONS: (1) WEST OF THE NORTHERN TRIBUTARY OF ESCONDIDO CREEK, AND (2) EAST OF THE TRIBUTARY, IN THE WEST HALF OF NE 1/4 OF SECTION 9.						
Ecological:	ON SOUTH-FACING SLOPES.						
General:	FEWER THAN 100 PLANTS SEEN AT COLONY (1) IN 1985. 63 PLANTS SEEN AT COLONY (2) IN 2001.						
Owner/Manager:	PVT						



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Occurrence No.	11	Map Index:	17780	EO Index:	10005	Element Last Seen:	2007-03-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2007-03-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06263 / -117.17387				Accuracy:	specific area	
UTM:	Zone-11 N3658244 E483769				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 10, N (S)				Acres:	48.0	
Location:	NORTH OF THE INTERSECTION OF QUESTHAVEN ROAD AND VIA DE LAS FLORES, ESCONDIDO.						
Detailed Location:	MAPPED AS 16 POLYGONS ON BOTH SIDES OF ESCONDIDO CREEK.						
Ecological:	COASTAL SAGE SCRUB ON SILTY LOAM SOIL. ASSOCIATED WITH CEANOTHUS VERRUCOSUS, RHUS INTEGRIFOLIA, ERIOGONUM FASCICULATUM, ARTEMISIA, SALVIA MELLIFERA, AND MALOSMA LAURINA.						
General:	<50 PLANTS ALONG SUERTE DEL ESTE IN 1985, 5280 PLANTS IN THE 5 E-MOST POLYGONS IN 2000. 55 PLANTS ALONG PIPELINE CORRIDOR JUST N OF CREEK IN 2003. 100 PLANTS IN FAR N CENTER POLYGON IN 2007. INCLUDES FORMER OCCURRENCE #13.						
Owner/Manager:	PVT, OLIVENHAIN MWD						

Occurrence No.	12	Map Index:	17782	EO Index:	10004	Element Last Seen:	1990-07-20
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1990-07-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-04-03
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03343 / -117.15011				Accuracy:	specific area	
UTM:	Zone-11 N3655002 E485982				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 24, NW (S)				Acres:	3.5	
Location:	0.6 MILE SOUTH OF SAN DIEGUITO RIVER, NORTH BANK OF DAMMED POND.						
Detailed Location:	MAPPED ACCORDING TO A MAP FOR ACANTHOMINTHA ILICIFOLIA, ADOLPHIA IS LISTED AS AN ASSOCIATED SPECIES.						
Ecological:	IN DISTURBED NATIVE GRASSLAND, NEAR PATCHES OF MIXED CHAPARRAL SPECIES. ASSOCIATED WITH ACANTHOMINTHA ILICIFOLIA AND ORANGE THROATED WHIPTAIL.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 1990.						
Owner/Manager:	PVT						



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Occurrence No.	14	Map Index:	17784	EO Index:	9974	Element Last Seen:	2015-09-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02162 / -117.16349				Accuracy:	specific area	
UTM:	Zone-11 N3653696 E484731				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 26 (S)				Acres:	307.0	
Location:	ALONG LUSARDI CREEK AND THE SAN DIEGUITO RIVER, JUST EAST OF RANCHO SANTA FE.						
Detailed Location:	MAPPED AS MANY POLYGONS. MOST INFORMATION IS BASED ON SPECIFIC MAPS, DIGITAL DATA, AND COORDINATES. LARGE POLYGON PARALLELING SAN DIEGUITO RIVER IS NON-SPECIFIC AROUND HABITAT MANAGEMENT AREAS 4-6 (AS DESCRIBED IN RINCON, 2011).						
Ecological:	GRASSLAND AND COASTAL SAGE SCRUB. ASSOCIATED WITH SALVIA MELLIFERA, ARTEMISA CALIFORNICA, MALOSMA LAURINA, ERIOGONUM FASCICULATUM, BRACHYPODIUM DISTACHYON, ENCELIA CALIFORNICA, STIPA PULCHRA, CENTAUREA MELITENSIS, LOTUS SCOPARIUS, ETC.						
General:	POP #S FOR PARTS OF EO: <1000 PLANTS SEEN IN 1983, 6-7 IN 1993, 2258 PLANTS WITHIN LUSARDI CREEK OS IN 2001, SEVERAL 100 IN 2008, 238 IN 2009, 20 IN 2011. UNK # IN 2001, 2002, 2004, 2007, & 2015. INCLUDES FORMER EOS #15, 16, 58, 59, & 135.						
Owner/Manager:	SDG CITY & COUNTY, PVT						

Occurrence No.	20	Map Index:	37031	EO Index:	10181	Element Last Seen:	1991-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-09
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01866 / -117.11004				Accuracy:	specific area	
UTM:	Zone-11 N3653361 E489721				Elevation (ft):	560	
PLSS:	T13S, R02W, Sec. 29, N (S)				Acres:	15.0	
Location:	INTERSECTION OF RANCHO BERNARDO ROAD AND DOVE CANYON ROAD, SAN DIEGO.						
Detailed Location:	THREE COLONIES WERE OBSERVED IN THIS VICINITY AT DIFFERENT TIMES. THE NORTHERN TWO WERE ON THE NORTH SIDE OF THE NOW NON-EXISTANT BLACK MOUNTAIN ROAD. THE SOUTHERN COLONY WAS IMMEDIATELY NORTH OF A MINOR DRAINAGE, NEAR FIRE STATION.						
Ecological:	WITHIN SOUTHERN CALIFORNIA GRASSLAND COMMUNITY ADJACENT TO EUCALYPTUS WOODLAND. IN DIABLO CLAY SOILS ASSOCIATED WITH HEMIZONIA FASCICULATA, BRODIAEA JOLONENSIS, AND NASSELLA PULCHRA.						
General:	APPROXIMATELY 50 PLANTS OBSERVED IN NE COLONY IN 1983. APPROXIMATELY 500 IN NW COLONY IN 1987. 100 PLANTS OBSERVED IN SOUTHERN COLONY IN 1991.						
Owner/Manager:	PVT						



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Occurrence No.	21	Map Index:	17730	EO Index:	10185	Element Last Seen:	2013-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04713 / -117.06618				Accuracy:	80 meters	
UTM:	Zone-11 N3656514 E493820				Elevation (ft):	525	
PLSS:	T13S, R02W, Sec. 14, NW (S)				Acres:	0.0	
Location:	EAST SIDE OF BATTLE MOUNTAIN AT BASE, WEST OF POMERADO ROAD NEAR CLOUDES DRIVE, SAN DIEGO.						
Detailed Location:	BATTLE MOUNTAIN OPEN SPACE. MAPPED ACCORDING TO 2013 KEELAN COORDINATES IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 14.						
Ecological:	SOMEWHAT DISTURBED COASTAL SAGE SCRUB. ASSOCIATED WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, KECKIELLA ANTIRRHINOIDES, DICHELOSTEMMA, AND ABUNDANT CENTAUREA MELITENSIS. REDDISH-BROWN SOIL. 10-20% E-FACING SLOPE.						
General:	ADOLPHIA CALIFORNICA DOMINATED COASTAL SAGE SCRUB AT THIS SITE IN 1999 (~0.54 ACRES). SEVERAL HUNDRED PLANTS OBSERVED IN 2006. ADDITIONAL COLLECTIONS AND OBSERVATIONS FROM 1936, 1968, 2003, AND 2013 ARE ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	CITY OF SAN DIEGO						

Occurrence No.	24	Map Index:	17678	EO Index:	11681	Element Last Seen:	1985-11-01
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1985-11-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-23
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08522 / -117.29039				Accuracy:	specific area	
UTM:	Zone-11 N3660772 E472898				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 34, SW (S)				Acres:	3.0	
Location:	RIDGETOP SOUTHWEST OF JUNCTION OF LA COSTA BLVD AND SAXONY ROAD, JUST SOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 24 ACCORDING TO A 1985 VANDERWIER MAP.						
Ecological:	COASTAL MIXED CHAPARRAL, COASTAL SAGE SCRUB, AND GRASSLAND. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND STIPA SP.						
General:	50-100 PLANTS SEEN IN 1985. 2012 AERIAL IMAGERY SHOWS DEVELOPMENT THROUGHOUT MOST OF THE OCCURRENCE, WITH SOME REMAINING HABITAT ON SURROUNDING SLOPES; OCCURRENCE MARKED AS POSSIBLY EXTIRPATED.						
Owner/Manager:	PVT						



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Occurrence No.	25	Map Index:	17677	EO Index:	11679	Element Last Seen:	2009-06-08
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2009-06-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-23
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08497 / -117.28170				Accuracy:	specific area	
UTM:	Zone-11 N3660742 E473709				Elevation (ft):	250	
PLSS:	T12S, R04W, Sec. 34, SE (S)				Acres:	15.0	
Location:	SOUTHEAST OF THE JUNCTION OF LA COSTA BLVD AND SAXONY ROAD, JUST SOUTH OF BATIQUITOS LAGOON.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO A 1989 DUNHAM MAP AND 2009 VEGETATION SURVEY COORDINATES.						
Ecological:	ON SOUTH AND WEST-FACING SLOPES (TERRACE ESCARPMENTS). ASSOCIATED WITH RHUS INTEGRIFOLIA, SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, ENCELIA CALIFORNICA, OPUNTIA LITTORALIS, GALIUM ANGUSTIFOLIUM, ERIOGONUM FASCICULATUM, ETC.						
General:	GREATER THAN 20 PLANTS SEEN IN EASTERN POLYGON IN 1989. UNKNOWN NUMBER OF PLANTS OBSERVED IN WESTERN POLYGON IN 2009.						
Owner/Manager:	PVT, UNKNOWN						

Occurrence No.	26	Map Index:	20090	EO Index:	18413	Element Last Seen:	2013-11-06
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-11-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01856 / -117.25804				Accuracy:	non-specific area	
UTM:	Zone-11 N3653374 E475900				Elevation (ft):	75	
PLSS:	T13S, R04W, Sec. 26, NE (S)				Acres:	50.0	
Location:	WEST SIDE OF MANCHESTER AVE FROM JUST EAST OF I-5 TO JUST NORTH OF EL CAMINO REAL, NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	4 POLYGONS. N POLY BASED ON 1988 MAP & 2006 GPS COORDINATES. CENTER POLY NON-SPECIFIC, BASED ON DESCRIPTION OF N OF MANCHESTER AVE, IN NE 1/4 SEC 26, WITHIN EIR AREA FOR MIRACOSTA COLLEGE. 2 S POLYS BASED ON 2004 EDAW MAP & VEG COORDINATES.						
Ecological:	ON LOWER SLOPES OF COASTAL BLUFFS IN LOAMY SAND WITH HAPLOPAPPUS VENETUS VAR. VERNONIODES, ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, RHUS INTEGRIFOLIA, ENCELIA CALIFORNICA, HESPEROYUCCA WHIPPLEI, SALVIA MELLIFERA, ETC.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN N POLY IN 1988 & 2006. 100 PLANTS IN CENTER POLY IN 1980 OVER A 5 ACRE AREA. 2ND S-MOST POLY: 126 PLANTS SEEN IN 2002/2003, 14% COVER IN 2013. S-MOST POLY: 100 PLANTS IN 2002/2003. INCLUDES FORMER OCC #28.						
Owner/Manager:	PVT, UNKNOWN						



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Occurrence No.	27	Map Index:	17675	EO Index:	8566	Element Last Seen:	2011-01-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-01-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-08
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03056 / -117.24957				Accuracy:	specific area	
UTM:	Zone-11 N3654702 E476694				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 24 (S)				Acres:	14.0	
Location:	BETWEEN LUX CANYON AND MANCHESTER AVENUE, ENCINITAS.						
Detailed Location:	MAPPED AS 8 POLYGONS. 6 NORTHERN POLYGONS MAPPED ACCORDING TO 2008 CNLM DIGITAL DATA. REMAINING POLYGONS MAPPED ACCORDING TO 2002 DUDEK MAP AND 2011 LAGRANGE COORDINATES.						
Ecological:	CHAPARRAL. ASSOCIATED WITH SEVERAL OTHER RARE SPECIES AT THIS SITE, INCLUDING ACANTHOMINTHA ILICIFOLIA, HAZARDIA ORCUTTII, FRITILLARIA BIFLORA, AND THE BLACK-TAILED GNATCATCHER.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 1979 AND 1988. POLYGONS WITHIN MANCHESTER HCA: ~50 PLANTS IN 1996, ~65 PLANTS IN 2001, AND ~115 PLANTS IN 2006. S-MOST POLYGON: 165 IN 2002, UNKNOWN NUMBER OF PLANTS IN 2011. INCLUDES FORMER EO #77.						
Owner/Manager:	CNLM-MANCHESTER PRESERVE, PVT						

Occurrence No.	30	Map Index:	A4821	EO Index:	26570	Element Last Seen:	1995-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13231 / -117.22372				Accuracy:	non-specific area	
UTM:	Zone-11 N3665978 E479132				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 17, W (S)				Acres:	23.0	
Location:	BOTH SIDES OF SAN MARCOS BLVD, JUST EAST OF ITS JUNCTION WITH WHITE SANDS DRIVE, EAST OF PALOMAR AIRPORT.						
Detailed Location:	SOUTH OF SAN MARCOS BLVD: BESIDE A DRIVEWAY TO ENCINITAS/SAN MARCOS BLVD; DRIVEWAY IS CONNECTED TO A DIRT ROAD. NORTH OF SAN MARCOS BLVD: MAPPED AROUND PROPERTY GIVEN, UNKNOWN WHERE WITHIN PROPERTY PLANTS WERE FOUND.						
Ecological:	GRAVELLY OPENINGS IN CHAPARRAL WITH QUERCUS DUMOSA, RHUS INTEGRIFOLIA, AND HARPAGONELLA PALMERI PALMERI.						
General:	OBSERVED SOUTH OF SAN MARCOS BLVD IN 1986. OBSERVED WITHIN PROPERTY MAPPED NORTH OF SAN MARCOS BLVD, LIKELY IN 1995.						
Owner/Manager:	PVT						



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Occurrence No.	32	Map Index:	21664	EO Index:	9057	Element Last Seen:	1991-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1991-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1992-08-25		
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04914 / -117.11027			Accuracy:	80 meters		
UTM:	Zone-11 N3656740 E489704			Elevation (ft):	600		
PLSS:	T13S, R02W (S)			Acres:	0.0		
Location:	SOUTH OF LAKE HODGES, APPROXIMATELY 2.5 AIR MILES WEST OF BATTLE MOUNTAIN.						
Detailed Location:							
Ecological:							
General:	100+ PLANTS SEEN IN 1991 SURVEY.						
Owner/Manager:	PVT						

Occurrence No.	33	Map Index:	21666	EO Index:	18152	Element Last Seen:	2014-06-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2014-06-17		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-06-08		
Quad Summary:	Poway (3211781), Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01142 / -117.13047			Accuracy:	specific area		
UTM:	Zone-11 N3652560 E487814			Elevation (ft):	450		
PLSS:	T13S, R02W, Sec. 30 (S)			Acres:	135.0		
Location:	VICINITY OF LA JOLLA VALLEY, NW OF BLACK MOUNTAIN, WEST OF CAMINO DEL SUR, SAN DIEGO.						
Detailed Location:	INCLUDES 4-S RANCH SOUTH. MAPPED AS 18 POLYGONS, PRIMARILY ON THE NORTH SIDE OF LUSARDI CREEK, BUT ALSO ON THE SOUTH SIDE. IN THE EAST HALF OF SECTION 25, ACROSS SECTION 30, AND IN THE NORTH HALF OF SECTION 31.						
Ecological:	COASTAL SAGE SCRUB AND GRASSLAND. SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM AND DIABLO OLIVENHAIN SOILS.						
General:	POPULATION NUMBERS FOR SMALL PORTIONS OF OCCURRENCE: APPROXIMATELY 50 PLANTS IN 1991, 171 IN SOUTH-MOST POLYGON IN 2001, 151 PLANTS IN 2014. MOST POLYGONS BASED ON A 1992 KREAGER MAP; NO POP SIZE GIVEN. INCLUDES FORMER OCCURRENCE #60.						
Owner/Manager:	PVT, SDG COUNTY						



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Occurrence No.	34	Map Index:	21351	EO Index:	8511	Element Last Seen:	2016-05-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-05
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713), San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.11583 / -117.24705			Accuracy:	specific area		
UTM:	Zone-11 N3664155 E476951			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 24 (S)			Acres:	233.0		
Location:	S OF PALOMAR AIRPORT RD, E OF EL CAMINO REAL, NORTH OF ALGA RD, AND WEST OF RANCHO SANTA FE RD, CARLSBAD AND SAN MARCOS.						
Detailed Location:	LARGE OCCURRENCE MAPPED AS MANY POLYGONS BY CNDDB, BASED ON SEVERAL PRECISE SURVEY MAPS AND COORDINATES.						
Ecological:	MOSTLY ON DIEGAN COASTAL SAGE SCRUB WITH CALIFORNIA SAGEBRUSH AND BLACK SAGE DOMINANTS. SOME PORTIONS ALSO IN NATIVE AND NON-NATIVE GRASSLANDS.						
General:	POPULATION NUMBERS FOR PORTIONS OF SITE: ~200 PLANTS SEEN NEAR CENTER AND NE PORTION OF OCC IN 1990, 85 CLUSTERS OF PLANTS IN 1991/1992, ABOUT 3550 PLANTS IN 1992, UNKNOWN NUMBER SEEN IN 2003-2010, & 2016. INCL FRMR EOS #35 & 46.						
Owner/Manager:	PVT, CITY OF CARLSBAD						

Occurrence No.	36	Map Index:	21362	EO Index:	8548	Element Last Seen:	2006-05-30
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2006-05-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08158 / -117.22965			Accuracy:	specific area		
UTM:	Zone-11 N3660354 E478565			Elevation (ft):	300		
PLSS:	T12S, R03W, Sec. 31, SE (S)			Acres:	7.0		
Location:	APPROXIMATELY 2.2 AIR MILES SW OF LAKE SAN MARCOS DAM, JUST SOUTH OF RANCHO SANTA FE ROAD.						
Detailed Location:	4 POLYGONS MAPPED IN THE SOUTH 1/2 OF THE SE 1/4 OF SECTION 31.						
Ecological:	GROWING IN NATIVE GRASSLAND AT EDGE OF DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN WHEN OR HOW MANY PLANTS SEEN IN EASTERN POLYGON. 82 PLANTS SEEN IN 3 WESTERN POLYGONS IN 2006. BASED ON 2003 AND 2013 AERIAL IMAGERY, THE ENTIRE OCCURRENCE HAS BEEN EXTIRPATED BY DEVELOPMENT.						
Owner/Manager:	PVT						



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Occurrence No.	37	Map Index:	21361	EO Index:	8550	Element Last Seen:	1999-06-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-06-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08352 / -117.21994				Accuracy:	specific area	
UTM:	Zone-11 N3660568 E479474				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 32, SW (S)				Acres:	10.0	
Location:	APPROXIMATELY 1.8 AIR MILES SSW OF LAKE SAN MARCOS DAM, BETWEEN RANCHO SANTA FE RD AND RANCHO SUMMIT DR.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 1992 AND 1999 MAPS.						
Ecological:	GROWING ON COBBLY SOILS IN STIPA-DOMINATED OPENINGS IN DIEGAN COASTAL SAGE WITH CALIFORNIA SAGEBRUSH DOMINANT. ASSOCIATED WITH AVENA SPP., BROMUS MADRITENSIS SSP. RUBENS, CENTAUREA MELITENSIS, DAUCUS PUSILLUS, ERIOGONUM FASCICULATUM, ETC.						
General:	NORTHERN POLYGON BASED ON A 1992 SWEETWATER ENVIRONMENTAL MAP. UNKNOWN NUMBER OF PLANTS SEEN IN SOUTHERN POLYGON IN 1999.						
Owner/Manager:	CNLM, PVT						

Occurrence No.	38	Map Index:	21360	EO Index:	8551	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09384 / -117.21907				Accuracy:	specific area	
UTM:	Zone-11 N3661711 E479556				Elevation (ft):	650	
PLSS:	T12S, R03W, Sec. 32, NW (S)				Acres:	14.0	
Location:	APPROXIMATELY 1.2 AIR MILES SW OF LAKE SAN MARCOS DAM, NORTH OF WATER TANK ON HILL, EAST OF RANCHO SANTA FE ROAD.						
Detailed Location:	VICINITY OF STANLEY MAHR RESERVOIR. 3 POLYGONS MAPPED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 32. 2 EASTERNMOST POLYGONS ARE WITHIN THE CNLM RANCHO LA COSTA PRESERVE.						
Ecological:	GROWING ON COBBLY SOILS ALONG EDGE OF STIPA DOMINATED OPENINGS IN SOUTHERN MIXED CHAPARRAL.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2 WESTERNMOST POLYGONS IN THE 1990S. 2 PLANTS OBSERVED IN EASTERNMOST POLYGON IN 2003.						
Owner/Manager:	CNLM, PVT						



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Occurrence No.	39	Map Index:	21356	EO Index:	8555	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09927 / -117.23768				Accuracy:	specific area	
UTM:	Zone-11 N3662317 E477821				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 30 (S)				Acres:	104.0	
Location:	NORTH AND SOUTH SLOPES OF SAN MARCOS CREEK CANYON, WEST OF RANCHO SANTA FE RD AND EAST OF EL FUERTE ST.						
Detailed Location:	SEVERAL SITES MAPPED BY CNDDB AS 8 POLYGONS ACCORDING TO A 1992 SWEETWATER MAP.						
Ecological:	GROWING MOSTLY ALONG EDGES OF STIPA DOMINATED OPENINGS IN DIEGAN COASTAL SAGE SCRUB WITH CALIFORNIA SAGEBRUSH DOMINANT. A PORTION OF THE POPULATION FOUND IN SOUTHERN MIXED CHAPARRAL.						
General:	APPROXIMATELY 1200 PLANTS SEEN DURING SURVEYS IN THE EARLY 1990S. INCLUDES FORMER OCCURRENCE #40.						
Owner/Manager:	CNLM, PVT						

Occurrence No.	41	Map Index:	21669	EO Index:	12770	Element Last Seen:	2015-02-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-02-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17262 / -117.27533				Accuracy:	specific area	
UTM:	Zone-11 N3670458 E474330				Elevation (ft):	300	
PLSS:	T11S, R04W, Sec. 35, SW (S)				Acres:	43.0	
Location:	JUST EAST OF CALAVERA LAKE, ABOUT 0.4 TO 0.7 AIR MILE NE OF CERRO DE LA CALAVERA, LAKE CALAVERA MITIGATION BANK.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS BASED ON A 1992 DUDEK MAP AND 2015 MORSE COORDINATES.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN THE 1990S AND IN 2015.						
Owner/Manager:	CITY OF CARLSBAD						



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Occurrence No.	45	Map Index:	21341	EO Index:	8504	Element Last Seen:	2015-06-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-06-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-05
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07692 / -117.27074				Accuracy:	specific area	
UTM:	Zone-11 N3659847 E474731				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 2, NW (S)				Acres:	20.0	
Location:	WEST OF GREEN VALLEY, 0.3 AIR MILE WSW TO 0.8 AIR MILE SSW OF THE INTERSECTION OF LA COSTA AVE AND EL CAMINO REAL.						
Detailed Location:	6 POLYGONS MAPPED ACCORDING TO 1992 AND 2005 MAPS BY DUDEK AND ASSOCIATES, AND 2015 MORSE COORDINATES. WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 35 AND THE WEST 1/2 OF THE NW 1/4 OF SECTION 2.						
Ecological:	COASTAL SAGE SCRUB. THE RARE COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA AND QUERCUS DUMOSA ALSO OCCUR IN THIS VICINITY.						
General:	196 PLANTS SEEN IN 3 NORTHERN POLYGONS IN 2005. UNKNOWN WHEN OR HOW MANY PLANTS SEEN IN TWO MIDDLE POLYGONS (BASED ON A 1992 MAP). UNKNOWN NUMBER IN SOUTHERN POLYGON IN 2015.						
Owner/Manager:	PVT						

Occurrence No.	47	Map Index:	21355	EO Index:	8547	Element Last Seen:	2012-05-22
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2012-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-05-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0688 / -117.22223				Accuracy:	specific area	
UTM:	Zone-11 N3658936 E479257				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 6 (S)				Acres:	79.0	
Location:	EAST OF THE INTERSECTION OF RANCHO SANTA FE ROAD AND OLIVEHAIN ROAD, IN CARLSBAD AND ENCINITAS.						
Detailed Location:	MAPPED AS 12 POLYGONS, SCATTERED WITHIN RESIDENTIAL AREAS ON BOTH SIDES OF ENCINITAS CREEK. MAJORITY OF OCCURRENCE BASED ON A 1992 DUDEK AND ASSOCIATES MAP.						
Ecological:	GRASSY OPENINGS ADJACENT TO SAGE SCRUB/CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, QUERCUS DUMOSA, BLOOMERIA CROCEA, ALLIUM PRAECOX, HAPLOPAPPUS VENETUS, HARPAGONELLA PALMERI, AND DICHONDRA OCCIDENTALIS.						
General:	MOST OF THIS SITE OBSERVED IN THE 1990S; UNKNOWN NUMBER OF PLANTS. POPULATION NUMBERS FOR PORTIONS OF SITE: APPROXIMATELY 780 PLANTS OBSERVED IN 1997, UNKNOWN NUMBER OF PLANTS IN 2012. INCLUDES FORMER OCCURRENCE #67.						
Owner/Manager:	PVT						



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Occurrence No.	48	Map Index:	21345	EO Index:	8546	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-12
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08263 / -117.25019				Accuracy:	non-specific area	
UTM:	Zone-11 N3660475 E476649				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 36, SE (S)				Acres:	27.0	
Location:	APPROXIMATELY 1 AIR MILE SOUTHEAST OF LA COSTA COUNTRY CLUB, EAST OF GREEN VALLEY.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO A 1992 DUDEK & ASSOCIATES MAP AND TO ENCOMPASS LA COSTA CANYON OPEN SPACE.						
Ecological:	COASTAL SAGE SCRUB.						
General:	138 INDIVIDUALS OBSERVED IN THE WESTERN POLYGON SOMETIME IN THE 1990S. SCATTERED INDIVIDUALS OBSERVED IN EASTERN POLYGON IN 2010.						
Owner/Manager:	PVT, CITY OF CARLSBAD						

Occurrence No.	49	Map Index:	21339	EO Index:	8507	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-09-03
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10314 / -117.27999				Accuracy:	80 meters	
UTM:	Zone-11 N3662756 E473874				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 27, NE (S)				Acres:	0.0	
Location:	NORTH OF BATIQUITOS LAGOON, APPROXIMATELY 1.2 AIR MILES NW OF LA COSTA COUNTRY CLUB.						
Detailed Location:	IN THE SE 1/4 OF NE 1/4 OF SECTION 27.						
Ecological:							
General:	MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	50	Map Index:	21340	EO Index:	8508	Element Last Seen:	199X-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-04-11
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09696 / -117.28971				Accuracy:	specific area	
UTM:	Zone-11 N3662074 E472965				Elevation (ft):	150	
PLSS:	T12S, R04W, Sec. 27, SW (S)				Acres:	10.0	
Location:	BETWEEN AVIARA DRIVE AND CASSINS STREET, JUST NORTH OF BATIQUITOS LAGOON, CARLSBAD.						
Detailed Location:	TWO COLONIES IN THE SE 1/4 OF THE SW 1/4 OF SECTION 27.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1992 MAP OF RARE PLANTS IN CARLSBAD. OBSERVATION DATE AND POPULATION SIZES UNKNOWN. 1973 HENRICKSON COLLECTION FROM "6 AIR MI SSE OF CARLSBAD, N OF BATIQUITOS LAGOON" ALSO ATTRIBUTED HERE.						
Owner/Manager:	PVT						



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Occurrence No.	51	Map Index:	21344	EO Index:	8506	Element Last Seen:	1999-03-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-03-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-24
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.09437 / -117.27297				Accuracy:	non-specific area	
UTM:	Zone-11 N3661782 E474527				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 35, NW (S)				Acres:	5.2	
Location:	NE OF BATIQUITOS LAGOON, APPROXIMATELY 1/4 MILE WEST OF THE INTERSECTION OF EL CAMINO REAL AND ARENAL ROAD.						
Detailed Location:							
Ecological:	DIEGAN COASTAL SAGE SCRUB.						
General:	SITE BASED ON A 1992 DUDEK AND ASSOCIATES MAP. UNKNOWN NUMBER OF PLANTS WERE ALSO OBSERVED ON THIS PROPERTY IN 1999.						
Owner/Manager:	PVT						

Occurrence No.	52	Map Index:	21673	EO Index:	12712	Element Last Seen:	1998-02-28
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-02-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10547 / -117.20974				Accuracy:	specific area	
UTM:	Zone-11 N3662999 E480430				Elevation (ft):	450	
PLSS:	T12S, R03W, Sec. 29, NE (S)				Acres:	12.6	
Location:	SAN MARCOS CREEK, FROM APPROXIMATELY 0.2 MILE SOUTH OF LAKE SAN MARCOS DAM TO SAND AND GRAVEL PIT ON TOPO MAP.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS ALONG EITHER SIDE OF THE CREEK BELOW THE DAM AND NORTH OF THE CREEK UNDER POWERLINES NEAR THE GRAVEL PIT. CENTER FOR NATURAL LANDS MANAGEMENT RANCHO LA COSTA PRESERVE.						
Ecological:	SUBPOPULATION ALONG THE CREEK IS GROWING AMONG SOUTHERN MIXED CHAPARRAL. SUBPOPULATION NEAR GRAVEL PIT IS GROWING AMONG COASTAL SAGE SCRUB.						
General:	52 PLANTS OBSERVED IN SURVEYS BETWEEN 1989 AND 1991. A 1952 COOP COLLECTION FROM "MEADOWLARK RANCH" AND A 1998 PRATT COLLECTION FROM "0.5 MI EAST OF THE JUNCTION OF RANCHO SANTA FE RD & QUESTHAVEN RD" ARE ALSO ATTRIBUTED HERE.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						



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Occurrence No.	68	Map Index:	38290	EO Index:	33297	Element Last Seen:	2010-03-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2010-03-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-14
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13222 / -117.24100			Accuracy:	specific area		
UTM:	Zone-11 N3665971 E477519			Elevation (ft):	400		
PLSS:	T12S, R03W, Sec. 18, N (S)			Acres:	24.0		
Location:	CARLSBAD RACEWAY AND WEST SIDE MELROSE DRIVE JUST WEST OF CARLSBAD RACEWAY.						
Detailed Location:	2 E POLYS: PLANTS SCATTERED ~0.4 MI ALONG CARLSBAD CORPORATE BOUNDARY PLUS ONE SMALL CLUSTER S OF DRAG STRIP, BASED ON 1997 SCHEIDT MAP AND 2013 HELIX MAP. 2 W POLYS BASED ON 2008 CNLM DIGITAL DATA AND 2010 COORDS FOR BRODIAEA FILIFOLIA.						
Ecological:	IN OPEN AREAS IN COASTAL SAGE SCRUB & MIXED CHAPARRAL. W/CHAMISE, XYLOCOCCUS BICOLOR, ARTEMISIA CA., ERIOGONUM FASCICULATUM. OTHER RARE PLANTS NEARBY: ARCTO. GLANDULOSA CRASSIFOLIA, ISOCOMA MENZIESII DECUMBENS, COMAROSTAPHYLIS DIVERSIFOLIA.						
General:	2 EASTERN POLYGONS (CARLSBAD RACEWAY): 400+ PLANTS SEEN IN 1997, 50 PLANTS SEEN DURING 1998 AND 2001 SURVEYS. 2 PLANTS SEEN IN NW-MOST POLYGON IN 2000. UNKNOWN NUMBER OF PLANTS SEEN IN 2ND NW-MOST POLYGON IN 2010.						
Owner/Manager:	PVT, CNLM						

Occurrence No.	78	Map Index:	61990	EO Index:	62026	Element Last Seen:	1998-09-28
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1998-09-28
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-04-30
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13751 / -117.21864			Accuracy:	specific area		
UTM:	Zone-11 N3666553 E479607			Elevation (ft):	500		
PLSS:	T12S, R03W, Sec. 17, NW (S)			Acres:	3.4		
Location:	ABOUT 0.4 MILE NORTH OF ENCINITAS ROAD, AND JUST EAST OF BEVERLY ROAD, NORTHWEST OF SAN MARCOS.						
Detailed Location:	IN THE NE 1/4 OF THE NW 1/4 OF SECTION 17.						
Ecological:	AT EDGE OF SLOPE IN CHAPARRAL AND DISTURBED VEGETATION.						
General:	ORIGINALLY OBSERVED IN 1990 (BY SCHIEDT?), SEVERAL SEEDLINGS HAVE APPEARED SINCE THAT TIME; 12 PLANTS OBSERVED IN 1998. BASED ON 2012 AERIAL IMAGERY, THIS OCCURRENCE HAS BEEN EXTIRPATED BY DEVELOPMENT.						
Owner/Manager:	PVT						



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Occurrence No.	93	Map Index:	71310	EO Index:	72213	Element Last Seen:	2015-09-16
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04152 / -117.13749				Accuracy:	specific area	
UTM:	Zone-11 N3655898 E487162				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 13, S (S)				Acres:	9.0	
Location:	ALONG DEL DIOS HIGHWAY, 0.1 TO 1 ROAD MILE WEST OF LAKE HODGES DAM.						
Detailed Location:	ALONG THE HIGHWAY RIGHT-OF-WAY. MAPPED BY CNDDDB AS 6 POLYGONS IN THE SOUTH 1/2 OF SECTION 13 EXTENDING INTO THE NORTH 1/2 OF THE SW 1/4 OF SECTION 18.						
Ecological:	DISTURBED DIEGAN COASTAL SAGE SCRUB AND RIPARIAN VEGETATION. ADJACENT TO SOUTHERN COAST LIVE OAK RIPARIAN FOREST. SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM. ASSOCIATED WITH ARTEMISIA CALIFORNICA, MALACOTHAMNUS FASCICULATUS, MALOSMA, ETC.						
General:	POPULATION NUMBER FOR PORTIONS OF SITE: >8 PLANTS OBSERVED IN 2001, 3 PLANTS IN 2007, "RARE" IN EAST-MOST POLYGON IN 2012, UNKNOWN NUMBER IN 2015. AN ANONYMOUS 1929 COLLECTION FROM HODGES DAM ATTRIBUTED HERE. INCLUDES FORMER EO #136.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	94	Map Index:	71312	EO Index:	72214	Element Last Seen:	2014-06-17
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2014-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03054 / -117.13297				Accuracy:	specific area	
UTM:	Zone-11 N3654680 E487582				Elevation (ft):	600	
PLSS:	T13S, R02W, Sec. 19, W (S)				Acres:	40.0	
Location:	BOTH SIDES OF CAMINO SANTA FE WEST OF ITS JUNCTION WITH FOUR GEE ROAD, SAN DIEGO.						
Detailed Location:	MAPPED BY CNDDDB AS 6 POLYGONS. LARGE MIDDLE POLYGON IS NON-SPECIFIC, PLANTS OBSERVED SOMEWHERE ON PROPERTY; REMAINING POLYGONS ARE SPECIFIC.						
Ecological:	DIEGAN COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ANTIRRHINUM NUTTALLIANUM, HEMIZONIA FASCICULATA, AND STEPHANOMERIA VIRGATA.						
General:	N POLY: SEEN IN 2001. TWO MIDDLE POLYS: UNK # IN 2002, 76 PLANTS IN 2004, 50+ PLANTS OBSERVED IN 2006, 10 PLANTS AT APN 678-070-33 IN 2008. 2 SW POLYS: 95 IN 2014. SE POLY: 2% COVER OF ADOLPHIA IN 2006, <1% COVER IN 2008.						
Owner/Manager:	PVT						



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Occurrence No.	95	Map Index:	92203	EO Index:	72216	Element Last Seen:	2006-11-30
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2006-11-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-05-01	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01615 / -117.20679			Accuracy:	specific area		
UTM:	Zone-11 N3653097 E480685			Elevation (ft):	150		
PLSS:	T13S, R03W, Sec. 29, NE (S)			Acres:	1.0		
Location:	APPROXIMATELY 0.2 AIR MILE SSE OF THE JUNCTION OF LINEA DEL CIELO AND MIMOSA PLACE, RANCHO SANTA FE.						
Detailed Location:	WITHIN THE EWING PRESERVE. MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 29.						
Ecological:	SOUTHERN MARITIME CHAPARRAL ON SANDSTONE SUBSTRATE. OTHER RARE PLANTS AT THIS SITE INCLUDE ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, COMAROSTAPHYLIS DIVERSIFOLIA DIVERSIFOLIA, QUERCUS DUMOSA, AND CEANOTHUS VERRUCOSUS.						
General:	38 PLANTS OBSERVED IN 2006. A 1930 STARK COLLECTION FROM "RANCHO SANTA FE" AND A 1937 GANDER COLLECTION FROM "RANCHO SANTA FE, NEAR GOLF COURSE" ARE ALSO ATTRIBUTED TO THIS OCCURRENCE.						
Owner/Manager:	PVT						

Occurrence No.	132	Map Index:	92349	EO Index:	93455	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-05-12	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09062 / -117.21283			Accuracy:	specific area		
UTM:	Zone-11 N3661353 E480138			Elevation (ft):	700		
PLSS:	T12S, R03W, Sec. 32, NE (S)			Acres:	1.0		
Location:	APPROXIMATELY 0.8 AIR MILE SOUTHEAST OF THE JUNCTION OF RANCHO SANTA FE RD AND SAN ELIJO RD, RANCHO LA COSTA PRESERVE.						
Detailed Location:	NORTH SIDE OF HILL 1050 ON TOPO. MAPPED NEAR THE CENTER OF THE NE 1/4 OF SECTION 32 ACCORDING TO 2008 CNLM DIGITAL DATA.						
Ecological:							
General:	3 PLANTS OBSERVED IN 2003.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						



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Occurrence No.	133	Map Index:	92351	EO Index:	93457	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-12
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07140 / -117.18816				Accuracy:	specific area	
UTM:	Zone-11 N3659218 E482436				Elevation (ft):	450	
PLSS:	T13S, R03W, Sec. 04, SE (S)				Acres:	4.0	
Location:	APPROXIMATELY 0.8 AIR MILE SOUTHEAST OF THE JUNCTION OF ELFIN FOREST RD AND FORTUNA DEL ESTE, NORTH OF ESCONDIDO CREEK.						
Detailed Location:	2 POLYGONS MAPPED IN THE NE 1/4 OF THE SE 1/4 OF SECTION 4 ACCORDING TO 2008 CNLM DIGITAL DATA.						
Ecological:							
General:	11 PLANTS OBSERVED IN NORTHERN POLYGON AND 1 PLANT OBSERVED IN SOUTHERN POLYGON IN 2003.						
Owner/Manager:	OLIVENHAIN MWD?						

Occurrence No.	134	Map Index:	92352	EO Index:	93458	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-12
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04957 / -117.14629				Accuracy:	specific area	
UTM:	Zone-11 N3656792 E486341				Elevation (ft):	1100	
PLSS:	T13S, R03W, Sec. 13, N (S)				Acres:	1.0	
Location:	NORTH SIDE OF SAN DIEGUITO RIVER CANYON, APPROXIMATELY 0.85 AND 1 AIR MILE WNW OF LAKE HODGES DAM.						
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO A 2012 MAP BY JEFFERSON.						
Ecological:	DIEGAN COASTAL SAGE SCRUB.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001. NO PLANTS FOUND DURING 2004 OR 2011 SURVEYS.						
Owner/Manager:	PVT						

Occurrence No.	137	Map Index:	92356	EO Index:	93466	Element Last Seen:	2013-11-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-11-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-25
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00936 / -117.22624				Accuracy:	specific area	
UTM:	Zone-11 N3652347 E478868				Elevation (ft):	150	
PLSS:	T13S, R03W, Sec. 30, SE (S)				Acres:	9.0	
Location:	EAST SIDE OF RAMBLA DE LAS FLORES, APPROXIMATELY 0.4 AIR MILE WNW OF JUNCTION WITH LINEA DEL CIELO, RANCHO SANTA FE.						
Detailed Location:	MAPPED AS 2 POLYGONS. WESTERN POLYGON MAPPED ACCORDING TO 2013 CITY OF SAN DIEGO DIGITAL DATA ("BANKERS UNION" SITE). EASTERN POLYGON MAPPED ACCORDING TO VEGETATION SURVEY COORDINATES.						
Ecological:							
General:	8 PLANTS OBSERVED IN WESTERN POLYGON IN 2005. 1% COVER OF ADOLPHIA CALIFORNICA OBSERVED IN EASTERN POLYGON DURING A 2013 VEGETATION SURVEY.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	138	Map Index:	92358	EO Index:	93468	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-12
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10519 / -117.30561				Accuracy:	non-specific area	
UTM:	Zone-11 N3662990 E471484				Elevation (ft):	40	
PLSS:	T12S, R04W, Sec. 28, NW (S)				Acres:	4.0	
Location:	NORTHWEST OF THE INTERSECTION OF POINSETTIA LANE AND BATIQUITOS DRIVE, JUST EAST OF I-5.						
Detailed Location:	MAPPED IN THE SE 1/4 OF THE NW 1/4 OF SECTION 28 TO ENCOMPASS THE POINSETTIA LANE PORTION OF BATIQUITOS DRIVE OPEN SPACE.						
Ecological:	COASTAL SAGE SCRUB.						
General:	SCATTERED INDIVIDUALS OBSERVED IN 2010.						
Owner/Manager:	CITY OF CARLSBAD						

Occurrence No.	139	Map Index:	92360	EO Index:	93470	Element Last Seen:	2009-07-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-07-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-12
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10634 / -117.28861				Accuracy:	specific area	
UTM:	Zone-11 N3663113 E473071				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 27, NW (S)				Acres:	1.0	
Location:	NORTH OF AVIARA PARKWAY, APPROXIMATELY 0.45 AIR MILE SOUTHEAST OF INTERSECTION WITH POINSETTIA LANE.						
Detailed Location:	MAPPED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 27 ACCORDING TO A 2011 DUDEK AND ASSOCIATES MAP.						
Ecological:	COASTAL SAGE SCRUB.						
General:	3 PLANTS OBSERVED DURING SURVEYS CONDUCTED IN 2006, 2007, AND 2009.						
Owner/Manager:	PVT						

Occurrence No.	140	Map Index:	92363	EO Index:	93473	Element Last Seen:	2003-05-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-12
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.01276 / -117.27033				Accuracy:	specific area	
UTM:	Zone-11 N3652734 E474750				Elevation (ft):	100	
PLSS:	T13S, R04W, Sec. 26, SW (S)				Acres:	3.0	
Location:	BETWEEN I-5 AND MANCHESTER AVE, 0.3-0.5 AIR MILE NORTHWEST OF WHERE THEY INTERSECT, NORTH OF SAN ELIJO LAGOON.						
Detailed Location:	3 POLYGONS MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 26 ACCORDING TO A 2004 EDAW MAP.						
Ecological:	SAGE SCRUB AND COASTAL BLUFF SCRUB.						
General:	APPROXIMATELY 60 PLANTS OBSERVED IN 2003.						
Owner/Manager:	PVT						



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Occurrence No.	153	Map Index:	A4876	EO Index:	106575	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03074 / -117.17913				Accuracy:	specific area	
UTM:	Zone-11 N3654709 E483272				Elevation (ft):	170	
PLSS:	T13S, R03W, Sec. 22, NW (S)				Acres:	11.0	
Location:	WEST END OF SIETE LEGUAS, SOUTH OF DEL DIOS, RANCHO SANTA FE.						
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO A DUDEK & ASSOCIATES MAP, IN THE EAST 1/2 OF THE NW 1/4 OF SECTION 22.						
Ecological:	SOUTHERN MARITIME CHAPARRAL. ALSO ASSOCIATED WITH FEROCACTUS VIRIDESCENS, IVA HAYESIANA, AND JUNCUS ACUTUS.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000.						
Owner/Manager:	PVT						

Occurrence No.	154	Map Index:	A4878	EO Index:	106576	Element Last Seen:	2015-08-10
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-08-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01269 / -117.24927				Accuracy:	80 meters	
UTM:	Zone-11 N3652721 E476717				Elevation (ft):	35	
PLSS:	T13S, R04W, Sec. 25, SW (S)				Acres:	5.0	
Location:	EAST END OF SAN ELIJO LAGOON.						
Detailed Location:	MAPPED ACCORDING TO 2015 MORSE COORDINATES, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 25.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015.						
Owner/Manager:	DFG-SAN ELIJO LAGOON ER						

Occurrence No.	155	Map Index:	A4879	EO Index:	106578	Element Last Seen:	2010-01-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-01-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05 / -117.20944				Accuracy:	80 meters	
UTM:	Zone-11 N3656849 E480446				Elevation (ft):	98	
PLSS:	T13S, R03W, Sec. 17, NE (S)				Acres:	5.0	
Location:	ALONG ESCONDIDO CREEK, ABOUT 1.5 MILES EAST OF OLIVENHAIN, AREA SOUTH OF RANCHO DE MAYO.						
Detailed Location:	MAPPED ACCORDING TO ANGEL COORDINATES. LOCATION DESCRIPTION SAYS "1.5 MILES WEST OF OLIVENHAIN" BUT 1.5 MILES EAST BETTER MATCHES COORDINATES.						
Ecological:	ESCONDIDO CREEK RIVERBED. CHAPARRAL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2010 ANGEL COLLECTION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	156	Map Index:	A4881	EO Index:	106580	Element Last Seen:	2011-06-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2011-06-10		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-05-30		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08187 / -117.2118			Accuracy:	80 meters		
UTM:	Zone-11 N3660383 E480233			Elevation (ft):	665		
PLSS:	T12S, R03W, Sec. 32, SE (S)			Acres:	5.0		
Location:	ALONG THE COPPER CREEK TRAIL, 0.87 MI ESE FROM JUNCTION CAMINO JUNIPERO RD AND RANCHO SANTA FE RD, CARLSBAD.						
Detailed Location:	MAPPED ACCORDING TO 2011 FOSKET COORDINATES, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 32.						
Ecological:	VISIBLE ROCKS AND BOULDERS WERE MAFIC AND/OR CONGLOMERATE CONTAINING METAMORPHIC ROCKS. SOIL WAS RED CLAY. ASSOCIATED WITH ARTEMISIA CALIFORNICA, RHUS INTEGRIFOLIA, MALOSMA LAURINA, ERIOGONUM FASCICULATUM, ETC.						
General:	27.5 % COVER OF ADOLPHIA OBSERVED IN THIS AREA IN 2005. UNKNOWN NUMBER OF PLANTS OBSERVED AT MAPPED SITE IN 2011.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	157	Map Index:	A4884	EO Index:	106582	Element Last Seen:	1994-08-28
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:	1994-08-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-05-30		
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.1198 / -117.22126			Accuracy:	specific area		
UTM:	Zone-11 N3664590 E479359			Elevation (ft):	570		
PLSS:	T12S, R03W, Sec. 20, NW (S)			Acres:	10.0		
Location:	ADJACENT TO SHOULDER OF RANCHO SANTA FE ROAD BETWEEN VIA ALLONDRA AND CAMINO DEL ARROYO DRIVE.						
Detailed Location:	BOTH SIDES OF RANCHO SANTA FE ROAD. MAPPED ACCORDING TO MAP ATTACHED TO 1994 SCHEIDT FIELD SURVEY FORM.						
Ecological:	DIEGAN COASTAL SAGE SCRUB WITH PATCHES OF NATIVE GRASSLAND. SUBSTRATE ROCKY. RARE WITHIN HABITAT ON EAST-FACING SLOPES IN TWO DISJUNCT RELICT PATCHES.						
General:	12+ PLANTS OBSERVED IN 1994.						
Owner/Manager:	PVT						



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Occurrence No.	158	Map Index:	A4885	EO Index:	106583	Element Last Seen:	2015-02-23
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2015-02-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.0168 / -117.28093				Accuracy:	specific area	
UTM:	Zone-11 N3653185 E473762				Elevation (ft):	20	
PLSS:	T13S, R04W, Sec. 27, NW (S)				Acres:	2.0	
Location:	BETWEEN HWY 101 AND RAILROAD TRACKS JUST NORTH OF SAN ELIJO LAGOON OUTLET INTO OCEAN.						
Detailed Location:	MAPPED ACCORDING TO 2015 KENTNER DIGITAL DATA.						
Ecological:	PLANTS FOUND IN NARROW STRIP OF DEGRADED COASTAL SAGE SCRUB WITH INVASIVE WEEDS CARPOBROTUS EDULUS, LIMONIUM SINUATUM, AND ACACIA SP.						
General:	4 PLANTS OBSERVED IN SOUTH PART OF SITE IN 2014. 50 PLANTS OBSERVED IN NORTH PART OF SITE IN 2015.						
Owner/Manager:	UNKNOWN						

Occurrence No.	159	Map Index:	A4886	EO Index:	106584	Element Last Seen:	2015-06-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-06-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07535 / -117.28109				Accuracy:	specific area	
UTM:	Zone-11 N3659676 E473765				Elevation (ft):	185	
PLSS:	T13S, R04W, Sec. 3 (S)				Acres:	7.0	
Location:	SOUTH OF QUAIL HOLLOW ROAD, ENCINITAS.						
Detailed Location:	MOSTLY WITHIN INDIAN HEAD CANYON. MAPPED AS 2 POLYGONS ACCORDING TO 2015 MORSE DIGITAL DATA.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015.						
Owner/Manager:	CITY OF ENCINITAS						

Occurrence No.	160	Map Index:	A4887	EO Index:	106585	Element Last Seen:	2012-02-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-02-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-05-30
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.07755 / -117.29534				Accuracy:	80 meters	
UTM:	Zone-11 N3659923 E472435				Elevation (ft):	121	
PLSS:	T13S, R04W, Sec. 4, NE (S)				Acres:	5.0	
Location:	NEAR SOUTHERN CORNER OF JUNCTION PLATO PLACE AND PIRAEUS STREET, JUST E OF HWY 5, S OF BATIQUITOS LAGOON, LEUCADIA.						
Detailed Location:	MAPPED ACCORDING TO 2012 NENOW COORDINATES.						
Ecological:	VACANT MESA. COASTAL SAGE SCRUB.						
General:	SITE BASED ON A 2012 NENOW COLLECTION. A 1972 COPP COLLECTION FROM "LEUCADIA: 0.4 MI S OF BATIQUITOS LAGOON & 0.7 MI E OF PACIFIC OCEAN" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	161	Map Index:	A4889	EO Index:	106586	Element Last Seen:	2015-07-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2015-07-06		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2017-05-30		

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long:	33.1464 / -117.32971	Accuracy:	specific area
UTM:	Zone-11 N3667566 E469250	Elevation (ft):	30
PLSS:	T12S, R04W, Sec. 8, W (S)	Acres:	3.0

Location: NORTH SIDE OF AGUA HEDIONDA LAGOON AND SW SIDE OF ADAMS AVENUE; BOTH SIDES OF THE INTERSECTION OF ADAMS AND HIGHLAND.

Detailed Location: MAPPED BY CNDDDB AS 2 POLYGONS ACCORDING TO A 2006 LINCER & ASSOCIATES MAP AND 2015 MORSE COORDINATES.

Ecological: COASTAL SAGE SCRUB.

General: OBSERVED IN SOUTHERN POLYGON IN 2006 (AT LEAST 4 SHRUBS). UNKNOWN NUMBER OF PLANTS OBSERVED IN BOTH POLYGONS IN 2015.

Owner/Manager: UNKNOWN

Ceanothus cyaneus		Element Code: PDRHA04070	
Lakeside ceanothus			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive		
Habitat:	General: CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL.		
	Micro: 195-1040 M.		

Occurrence No.	57	Map Index:	B3804	EO Index:	116723	Element Last Seen:	2008-06-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2008-06-27		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2019-08-27		

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long:	33.09626 / -117.1769	Accuracy:	80 meters
UTM:	Zone-11 N3661973 E483492	Elevation (ft):	860
PLSS:	T12S, R03W, Sec. 27, SE (S)	Acres:	5.0

Location: SOUTH SIDE OF QUESTHAVEN ROAD, ABOUT 0.7 AIR MILE SOUTHEAST OF INTERSECTION WITH SAN ELIJO ROAD, WEST OF ESCONDIDO.

Detailed Location: MAPPED ACCORDING TO 2008 VEGETATION SURVEY COORDINATES, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 27.

Ecological: ASSOCIATED WITH SALVIA MELLIFERA, BROMUS MADRITENSIS, ARTEMISIA CALIFORNICA, GASTRIDUM VENTRICOSUM, ERIOGONUM FASCICULATUM, VULPIA MYUROS, NASSELLA LEPIDA, MALOSMA LAURINA, SISYRINCHIUM BELLUM, MALACOTHAMNUS FASCICULATUS, ETC.

General: 7% COVER OF CEANOOTHUS CYANEUS OBSERVED DURING A 2008 VEGETATION SURVEY.

Owner/Manager: UNKNOWN

Ceanothus verrucosus		Element Code: PDRHA041J0	
wart-stemmed ceanothus			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2?
Other:	Rare Plant Rank - 2B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_UCBG-UC Botanical Garden at Berkeley		



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Habitat:	General:	CHAPARRAL, COASTAL SCRUB.					
	Micro:	25-470 M.					
Occurrence No.	13	Map Index:	36508	EO Index:	31505	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10417 / -117.21157			Accuracy:	non-specific area		
UTM:	Zone-11 N3662855 E480259			Elevation (ft):	500		
PLSS:	T12S, R03W, Sec. 29 (S)			Acres:	172.0		
Location:	EAST OF RANCHO SANTA FE ROAD AND BETWEEN LAKE SAN MARCOS AND SAN ELIJO ROAD, SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS AROUND CHAPARRAL ACCORDING TO A 1991 ERC REPORT AND 2006 BAILEY SURVEY (CEANOTHUS VERRUCOSUS WAS A DOMINANT PLANT WITHIN THE CHAPARRAL IN THIS AREA), AND ACCORDING TO CNLM DIGITAL DATA.						
Ecological:	SOUTHERN MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, XYLOCOCCUS BICOLOR, COMAROSTAPHYLIS DIVERSIFOLIA, ETC.						
General:	COMMON AT SITE DURING 1989-1991 SURVEYS. 1000 PLANTS ESTIMATED AT RANCHO LA COSTA PRESERVE (BROUWER QUARRY) IN 2003. DOMINANT IN CHAPARRAL IN AREA IN 2006. 140,803 PLANTS ESTIMATED AT RANCHO LA COSTA PRESERVE (BROUWER QUARRY) IN 2008.						
Owner/Manager:	CNLM, PVT						
Occurrence No.	21	Map Index:	36500	EO Index:	31497	Element Last Seen:	2013-11-01
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-11-01
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-06-29
Quad Summary:	Del Mar (3211782), Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	32.99783 / -117.24831			Accuracy:	non-specific area		
UTM:	Zone-11 N3651074 E476803			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 36 (S)			Acres:	1344.0		
Location:	EAST OF SOLANA BEACH AND NORTH OF SAN DIEGUITO VALLEY, NORTHEAST OF DEL MAR.						
Detailed Location:	MAPPED FROM SAN ELIJO LAGOON SOUTH TO SAN DIEGUITO VALLEY AND FROM BRANADOS AVE EAST TO EL CAMINO REAL. INCLUDES EDEN GARDENS AND SAN DIEGUITO COUNTY PARK.						
Ecological:	COASTAL MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, CNEORIDIUM DUMOSUM, SALVIA MELLIFERA, ERIOGONUM FASCICULATUM, XYLOCOCCUS BICOLOR, SOLANUM PARISHII, RHAMNUS CALIFORNICA, RHUS INTEGRIFOLIA, MALOSMA LAURINA, EUCALYPTUS, ETC.						
General:	SITE MAPPED BASED LARGELY UPON VEGETATION ASSOCIATION OF C. VERRUCOSUS WITH CHAPARRAL (HOGAN 1993 AND WIESLANDER/USFS 1934). PLANTS OBSERVED IN SMALL PORTIONS OF SITE IN 2008 & 2011. OBSERVED DURING VEGETATION SURVEYS IN 2009 & 2013.						
Owner/Manager:	PVT, SDG COUNTY, DFG						



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Occurrence No.	24	Map Index:	36504	EO Index:	31501	Element Last Seen:	2015-09-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-09-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-30
Quad Summary:	Escondido (3311711), Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0814 / -117.14699				Accuracy:	non-specific area	
UTM:	Zone-11 N3660321 E486281				Elevation (ft):	900	
PLSS:	T12S, R03W, Sec. 36 (S)				Acres:	8457.0	
Location:	SW OF ESCONDIDO; FROM VICINITY OF LAKE HODGES EXTENDING NORTH TO SAN MARCOS.						
Detailed Location:	C. VERRUCOSUS ESTIMATED TO COMPRISE 1-75% OF CHAPARRAL COMMUNITY AT THIS SITE (HOGAN 1993). MAPPED AS MANY POLYS ACCORDING TO ASSOCIATION OF C. VERRUCOSUS WITH CHAPARRAL COMMUNITY (USFS 1934) & RECENT MAP/COORDINATE INFO FROM MANY SOURCES.						
Ecological:	MIXED CHAPARRAL DOMINATED BY CEANOTHUS VERRUCOSUS, C. TOMENTOSUS, XYLOCOCCUS BICOLOR, RHUS INTEGRIFOLIA, AND ADENOSTOMA FASCICULATUM. ALSO ASSOCIATED WITH MALOSMA LAURINA, BROMUS MADRITENSIS, ERIOGONUM FASCICULATUM, ETC.						
General:	POP NUMBERS FOR PORTIONS OF SITE: 1548 IN 2001, 35 IN 2007, 75,600 PLANTS IN 2008, 3769 PLANTS IN 2009, SEVERAL HUNDRED THOUSAND ESTIMATED IN 2011, 2903 PLANTS IN 2013, UNKNOWN NUMBER IN 2001, 2002, 2013, 2015. INCLUDES FORMER OCC #23.						
Owner/Manager:	PVT, SDG COUNTY, OTHERS						

Occurrence No.	25	Map Index:	36505	EO Index:	31502	Element Last Seen:	2008-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2008-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-09
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06717 / -117.17657				Accuracy:	specific area	
UTM:	Zone-11 N3658747 E483518				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 03, S (S)				Acres:	66.0	
Location:	SOUTH FLANK OF PAINT MOUNTAIN NORTH SIDE OF ESCONDIDO CREEK, 2 AIR MILES NE OF SAN DIEGUITO RESERVOIR DAM.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS IN THE SOUTH 1/2 OF SECTION 3 AND THE NORTH 1/2 OF SECTION 10. PORTION OF OCCURRENCE IS WITHIN THE CHOUMASS-PAPPAS PORTION OF THE RANCHO LA COSTA HABITAT CONSERVATION AREA.						
Ecological:	MIXED CHAPARRAL STRONGLY DOMINATED BY CEANOTHUS VERRUCOSUS. ALSO ASSOCIATED WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, RHUS INTEGRIFOLIA AND AN OCCASIONAL ADOLPHIA CALIFORNICA.						
General:	WEST POLYGON: 1000+ PLANTS IN 1985. NORTH POLYGON: 10,000 PLANTS IN 2007. EAST POLYGON: 2 PLANTS IN 2000. 2 SW POLYGONS: 15,249 PLANTS ESTIMATED IN 2008.						
Owner/Manager:	PVT, OLIVENHAIN MWD, CNLM						



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Occurrence No.	26	Map Index:	36506	EO Index:	31503	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2005-04-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05821 / -117.19731				Accuracy:	non-specific area	
UTM:	Zone-11 N3657757 E481580				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 09, NW (S)				Acres:	101.5	
Location:	NORTH SIDE OF ESCONDIDO CREEK ABOUT 1.2 MILES NORTH OF SAN DIEGUITO RESERVOIR DAM, NORTH OF RANCHO SANTA FE.						
Detailed Location:	FAR NW PORTION OF CANYON CREEK PROJECT AREA AND SW PORTION OF BRIDGES PROJECT SITE. MAPPED IN LARGE PORTION OF SECTION 9.						
Ecological:	CHAPARRAL.						
General:	50-100 PLANTS REPORTED BY EWING IN 1985. UNKNOWN NUMBER OBSERVED IN 2001.						
Owner/Manager:	PVT, OLIVENHAIN MWD, UNK						

Occurrence No.	27	Map Index:	36507	EO Index:	31504	Element Last Seen:	1991-01-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1991-01-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-08-27
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09153 / -117.21411				Accuracy:	non-specific area	
UTM:	Zone-11 N3661454 E480019				Elevation (ft):	700	
PLSS:	T12S, R03W, Sec. 32, NE (S)				Acres:	29.2	
Location:	ABOUT 1 MILE SOUTHWEST OF RANCHO SANTA FE ROAD AT QUESTHAVEN ROAD EAST OF CARLSBAD, SAN MARCOS.						
Detailed Location:							
Ecological:	SOUTHERN MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, XYLOCOCCUS BICOLOR, COMAROSTAPHYLIS DIVERSIFOLIA, ET AL.						
General:	THIS OCCURRENCE MAPPED BASED UPON ASSOCIATION OF C. VERRUCOSUS WITHIN THE CHAPARRAL AT THIS SITE; REPORTED BY ERC AS ONE OF THE DOMINANT PLANTS WITHIN THE SOUTHERN MIXED CHAPARRAL HERE.						
Owner/Manager:	PVT						



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Occurrence No.	28	Map Index:	36509	EO Index:	31506	Element Last Seen:	2013-11-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-11-19
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-06-15
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03085 / -117.25226				Accuracy:	non-specific area	
UTM:	Zone-11 N3654735 E476442				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 24 (S)				Acres:	1622.0	
Location:	BOTH SIDES OF LUX CANYON, FROM MOUTH OF SAN ELIJO LAGOON NORTHEAST TO OLIVENHAIN.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS. LARGE POLYGON BASED MOSTLY ON HISTORIC MAP INFO WITH C. VERRUCOSUS REPORTED AS BEING ASSOCIATED WITH CHAPARRAL IN THIS AREA. ALSO INCLUDES MORE RECENT MAP/COORDINATE INFORMATION. PORTIONS HAVE BEEN PLANTED.						
Ecological:	CHAPARRAL WITH ADENOSTOMA FASCICULATUM, HETEROMELES ARBUTIFOLIA, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, RHAMNUS CROCEA, RHUS INTEGRIFOLIA, CNEORIDIUM DUMOSUM, QUERCUS DUMOSA, SALVIA MELLIFERA, YUCCA SCHIDIGERA, ETC.						
General:	OCCURRENCE MAPPED BASED ON ASSOCIATION OF C. VERRUCOSUS WITHIN CHAPARRAL AS REPORTED BY HOGAN (1993) AND WIESLANDER (USFS 1934). PORTION OF OCCURRENCE: 25 IN 1996, 40 IN 2001, 75 IN 2006, 14 IN 2008, <1% COVER IN 2009, 1% COVER IN 2013.						
Owner/Manager:	PVT, CNLM, OTHERS						
Occurrence No.	29	Map Index:	36510	EO Index:	31507	Element Last Seen:	1936-01-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1936-01-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.02938 / -117.28111				Accuracy:	non-specific area	
UTM:	Zone-11 N3654579 E473748				Elevation (ft):	180	
PLSS:	T13S, R04W, Sec. 22 (S)				Acres:	60.4	
Location:	WEST OF I-5 BETWEEN ENCINITAS AND CARDIFF-BY-THE-SEA.						
Detailed Location:	OCCURRENCE EXTENDS MOSTLY THROUGH MIDDLE OF SECTION 22, IN A N-S DIRECTION.						
Ecological:	CHAPARRAL WITH ADENOSTOMA FASCICULATUM AND CEANOTHUS VERRUCOSUS DOMINANT.						
General:	OCCURRENCE MAPPED BASED UPON ASSOCIATION OF C. VERRUCOSUS WITHIN THE CHAPARRAL AS REPORTED BY WIESLANDER (USFS 1934). A 1936 GANDER COLLECTION FROM "3/4 MILE SOUTH OF ENCINITAS" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	30	Map Index:	36511	EO Index:	31508	Element Last Seen:	2013-11-02
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2013-11-02
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04684 / -117.28235			Accuracy:	non-specific area		
UTM:	Zone-11 N3656515 E473638			Elevation (ft):	150		
PLSS:	T13S, R04W, Sec. 15 (S)			Acres:	224.0		
Location:	ENCINITAS, BOTH SIDES OF ENCINITAS BLVD, FROM VULCAN AVE EAST TO SEEMAN DRIVE.						
Detailed Location:	BOTH SIDES OF ENCINITAS BLVD. S POLYGON MAPPED NON-SPECIFICALLY ACCORDING TO 1934 WIESLANDER MAPS & 1993 HOGAN MAPS. N POLYGON BASED ON 2013 RIEFNER COORDINATES. VAGUE, HISTORIC COLLECTIONS FROM "ENCINITAS" ARE ALSO ATTRIBUTED TO THIS SITE.						
Ecological:	CHAPARRAL WITH ADENOSTOMA FASCICULATUM AND CEANOTHUS VERRUCOSUS DOMINANT.						
General:	S POLYGON MAPPED BASED UPON ASSOCIATION OF C. VERRUCOSUS WITHIN THE CHAPARRAL AS REPORTED BY WIESLANDER (USFS 1934) AND HOGAN, 1993. NORTHERN POLYGON: "LOCAL, CLUMP OF SHRUBS" OBSERVED IN 2013.						
Owner/Manager:	CITY OF ENCINITAS, UNKNOWN						

Occurrence No.	31	Map Index:	27867	EO Index:	31509	Element Last Seen:	2013-11-19
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2013-11-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.04492 / -117.26558			Accuracy:	specific area		
UTM:	Zone-11 N3656298 E475203			Elevation (ft):	300		
PLSS:	T13S, R04W, Sec. 14, NW (S)			Acres:	11.1		
Location:	OAK CREST PARK, SOUTH SIDE OF ENCINITAS BLVD ABOUT 0.25 MILE WEST OF EL CAMINO REAL.						
Detailed Location:	SOUTHEAST OF THE INTERSECTION OF ENCINITAS BLVD AND BALOUR ROAD. SE 1/4 OF NW 1/4 OF SECTION 14.						
Ecological:	CHAPARRAL WITH SALVIA MELLIFERA, C. VERRUCOSUS, AND ADENOSTOMA FASCICULATUM DOMINANT. OTHER ASSOCIATES INCLUDE YUCCA SCHIDIGERA, MIMULUS AURANTIACUS, RHAMNUS CROCEA, CERCOCARPUS MINUTIFLORUS, BACCHARIS VANESSAE, RHUS INTEGRIFOLIA, ETC.						
General:	SEVERAL HUNDRED OBSERVED AROUND 1978. C. VERRUCOSUS COMPRISED 5-14% OF THE CHAPARRAL SURVEYED AT OAK CREST PARK IN 1995. COLLECTED FROM OAK CREST PARK IN 1996, 2000, 2005 (OCCASIONAL), AND 2008 (ABUNDANT). 5% CEANOTHUS COVER IN 2013.						
Owner/Manager:	CITY OF ENCINITAS						



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Occurrence No.	32	Map Index:	36514	EO Index:	31511	Element Last Seen:	2013-10-31
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-10-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.06898 / -117.27084			Accuracy:	non-specific area		
UTM:	Zone-11 N3658966 E474718			Elevation (ft):	200		
PLSS:	T13S, R04W, Sec. 02 (S)			Acres:	804.2		
Location:	BOTH SIDES OF GREEN VALLEY, FROM BATIQUITOS LAGOON SOUTH ABOUT 2.5 MILES, ENCINITAS.						
Detailed Location:	MAPPED ALONG RIDGES AND SLOPES ON THE WEST SIDE OF THE VALLEY AND EAST OF EL CAMINO REAL. MAPPED AS FIVE POLYGONS AT CNDDB.						
Ecological:	SOUTHERN MARITIME CHAPARRAL WITH C. VERRUCOSUS, AND ADENOSTOMA FASCICULATUM DOMINANT. OTHER ASSOCIATES INCLUDE COMAROSTAPHYLIS DIVERSIFOLIA DIVERSIFOLIA, BACCHARIS VANESSAE, DENDROMECON RIGIDA, ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA ETC.						
General:	MOST INFORMATION FOR THIS OCCURRENCE BASED UPON ASSOCIATION WITH CHAPARRAL MAPPED BY WIESLANDER IN 1934. MAPS FOR SOUTHERN MARITIME CHAPARRAL BY HOGAN (1993) ALSO USED. BETWEEN 2% AND 8% COVER OBSERVED IN PORTION IN 2009 & 2013.						
Owner/Manager:	PVT, CITY OF ENCINITAS, OTHERS						

Occurrence No.	33	Map Index:	36515	EO Index:	31512	Element Last Seen:	2015-11-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-11-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.08261 / -117.29091			Accuracy:	non-specific area		
UTM:	Zone-11 N3660483 E472850			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 34, SW (S)			Acres:	71.0		
Location:	SOUTH OF BATIQUITOS LAGOON AND LA COSTA AVE; JUST EAST OF I-5, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS. EASTERN POLYGON IN NON-SPECIFIC BASED ON 1934 WIESLANDER MAPS. TWO WESTERN POLYGONS ARE SPECIFIC BASED ON 2011, 2012, AND 2015 COORDINATES.						
Ecological:	CHAPARRAL AND COASTAL SAGE SCRUB. ADENOSTOMA FASCICULATUM DOMINANT.						
General:	EASTERN POLYGON: BASED UPON ASSOCIATION OF C. VERRUCOSUS WITH CHAPARRAL MAPPED BY WIESLANDER (USFS 1934). SW POLYGON: SEEN IN 2012. NW POLYGON: DOMINANT PART OF COMMUNITY IN THIS AREA IN 2002, SEEN IN 2011, FEWER THAN 50 PLANTS IN 2015.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	34	Map Index:	36516	EO Index:	31513	Element Last Seen:	2012-03-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-03-06
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-06-29
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11042 / -117.30677				Accuracy:	non-specific area	
UTM:	Zone-11 N3663570 E471378				Elevation (ft):	150	
PLSS:	T12S, R04W, Sec. 21 (S)				Acres:	156.0	
Location:	EAST OF I-5 BETWEEN CANYON DE LAS ENCINAS AND BATIQUITOS LAGOON, CARLSBAD.						
Detailed Location:	OCCURRENCE EXTENDS FROM SECTION 28 NORTH INTO THE WEST 1/2 OF SECTION 21. MAPPED AS 2 POLYGONS. INCLUDES CNLM SITES "LAGOON LANE," "BATIQUITOS DRIVE" AND "POINSETTIA PARK."						
Ecological:	CHAPARRAL WITH CEANOTHUS VERRUCOSUS AND ADENOSTOMA FASCICULATUM DOMINANT.						
General:	OCCURRENCE IS BASED UPON ASSOCIATION OF C. VERRUCOSUS WITH CHAPARRAL MAPPED BY WIESLANDER FOR THE USFS IN 1934. 44 PLANTS OBSERVED IN 2010 AT CNLM SITES. NORTHERN-MOST PORTION OF LARGE POLYGON OBSERVED IN 2012.						
Owner/Manager:	PVT, CITY OF CARLSBAD, UNKNOWN						

Occurrence No.	35	Map Index:	36517	EO Index:	31514	Element Last Seen:	2017-03-29
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2017-03-29
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2017-06-30
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.11589 / -117.27650				Accuracy:	non-specific area	
UTM:	Zone-11 N3664169 E474203				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 23 (S)				Acres:	2212.0	
Location:	NORTH OF BATIQUITOS LAGOON; FROM LAGOON NORTH TO MCCLELLAN-PALOMAR AIRPORT ALONG EL CAMINO REAL, CARLSBAD.						
Detailed Location:	LARGE POPULATION MAPPED AS 3 POLYGONS. INCLUDES CNLM PROPERTY "THE GREENS."						
Ecological:	CHAPARRAL WITH C. VERRUCOSUS, AND ADENOSTOMA FASCICULATUM DOMINANT. OTHER ASSOCIATES INCLUDE ARCTOSTAPHYLOS GLANDULOSA SSP. CRASSIFOLIA, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, ADOLPHIA CALIFORNICA, AND SELAGINELLA CINERASCENS.						
General:	SITE MAINLY BASED UPON ASSOCIATION OF C. VERRUCOSUS WITH CHAPARRAL MAPPED BY WIESLANDER FOR THE USFS IN 1934. "THE GREENS" PROPERTY: 13 PLANTS IN 2003, 54 IN 2008. POP NUMBERS FOR PORTIONS OF EO: <1% COVER IN 2010, 4 IN 2016, 1 IN 2017.						
Owner/Manager:	PVT, CITY OF CARLSBAD, UNKNOWN						



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Occurrence No.	36	Map Index:	36519	EO Index:	31516	Element Last Seen:	1983-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-08-27
Quad Summary:	Rancho Santa Fe (3311712), San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.12807 / -117.22332				Accuracy:	non-specific area	
UTM:	Zone-11 N3665507 E479168				Elevation (ft):	450	
PLSS:	T12S, R03W, Sec. 17, SW (S)				Acres:	170.3	
Location:	SOUTHEAST OF THE JUNCTION OF PALOMAR AIRPORT ROAD AND POINSETTIA AVE, SAN MARCOS.						
Detailed Location:							
Ecological:	MIXED CHAPARRAL WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, ARCTOSTAPHYLOS GLANDULOSA GLANDULOSA, CEANOTHUS TOMENTOSUS, HETEROMELES ARBUTIFOLIA, QUERCUS DUMOSA, COMAROSTAPHYLIS DIVERSIFOLIA DIVERSIFOLIA, SALVIA MELLIFERA, ET AL.						
General:	SITE NOTED IN SAN MARCOS GENERAL PLAN.						
Owner/Manager:	UNKNOWN						

Occurrence No.	37	Map Index:	36521	EO Index:	31518	Element Last Seen:	2017-02-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-02-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-29
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13973 / -117.29458				Accuracy:	non-specific area	
UTM:	Zone-11 N3666816 E472524				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 10 (S)				Acres:	204.0	
Location:	EVANS POINT, EAST OF AGUA HEDIONDA LAGOON, CARLSBAD.						
Detailed Location:	MOST OF THIS OCCURRENCE IS NON-SPECIFIC BASED ON WIESLANDER MAP DATA FROM 1934 AND 1993 HOGAN MAPS.						
Ecological:	CHAPARRAL WITH C. VERRUCOSUS AND ADENOSTOMA FASCICULATUM DOMINANT.						
General:	OCCURRENCE BASED UPON ASSOCIATION OF C. VERRUCOSUS WITH CHAPARRAL MAPPED BY WIESLANDER (USFS 1934), 1993 MAP OF SOUTHERN MARITIME CHAPARRAL BY HOGAN, AND 2008 CNLM DIGITAL DATA. HUNDREDS IN 1998, 9 PLANTS OBSERVED IN 2003, UNK # IN 2017.						
Owner/Manager:	CNLM, CITY OF CARLSBAD, PVT						



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Occurrence No.	38	Map Index:	36520	EO Index:	31517	Element Last Seen:	1981-10-03
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1981-10-03
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-01
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14743 / -117.31777			Accuracy:	non-specific area		
UTM:	Zone-11 N3667676 E470364			Elevation (ft):	250		
PLSS:	T12S, R04W, Sec. 08 (S)			Acres:	71.9		
Location:	NORTH SIDE OF AGUA HEDIONDA LAGOON WEST OF NEBLINA DRIVE, CARLSBAD.						
Detailed Location:	TWO COLONIES MAPPED IN THIS VICINITY. A 1941 GANDER COLLECTION FROM "AGUA HEDIONDA" IS ALSO ATTRIBUTED TO THIS SITE.						
Ecological:	CHAPARRAL WITH ADENOSTOMA FASCICULATUM, RHUS LAURINA, AND SALVIA MELLIFERA.						
General:	100+ PLANTS NOTED IN THE EASTERN COLONY BY WRIGHT IN 1981. WESTERN COLONY BASED UPON 1934 VEGETATION MAP BY WIESLANDER IN WHICH C. VERRUCOSUS WAS A DOMINANT COMPONENT OF CHAPARRAL (USFS 1934).						
Owner/Manager:	UNKNOWN						

Occurrence No.	42	Map Index:	61085	EO Index:	61121	Element Last Seen:	2016-01-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-01-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-23
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.0639 / -117.08817			Accuracy:	80 meters		
UTM:	Zone-11 N3658375 E491770			Elevation (ft):	1150		
PLSS:	T13S, R02W, Sec. 9, NE (S)			Acres:	5.0		
Location:	PEAK OF BERNARDO MOUNTAIN.						
Detailed Location:	LAND OWNED BY THE SAN DIEGUITO RIVER VALLEY LAND CONSERVANCY. MAPPED BY CNDDDB ACCORDING TO 2006 BUEGGE COORDINATES AND 2016 MORSE COORDINATES. POSSIBLY MORE EXTENSIVE IN THIS AREA BASED ON WIESLANDER VEG MAPS FROM THE 1930S.						
Ecological:	COASTAL SAGE SCRUB/CHAPARRAL WITH XYLOCOCCUS BICOLOR, MALOSMA LAURINA, SALVIA APIANA, BROMUS MADRITENSIS, AND LAMARCKIA AUREA. AMONG REDDISH BOULDERS AND DARK BROWN/RED SOIL. PEAK TOP.						
General:	COMMON TO ABUNDANT IN 2006. UNKNOWN NUMBER OBSERVED IN 2016. A 1903 ABRAMS COLLECTION FROM "DRY HILLS NEAR BERNARDO" AND A 1931 SPRING COLLECTION FROM "BERNARDO MOUNTAIN, 925 FT, T13S R02W SECTION 4" ARE ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	PVT						



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Occurrence No.	43	Map Index:	61088	EO Index:	61124	Element Last Seen:	2000-05-XX
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2000-05-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-05-06	

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long:	33.06237 / -117.16778	Accuracy:	specific area
UTM:	Zone-11 N3658213 E484337	Elevation (ft):	550
PLSS:	T13S, R03W, Sec. 11, NW (S)	Acres:	16.0

Location: SE SIDE OF ESCONDIDO CREEK, 2.4 AIR MILES NE OF SAN DIEGUITO RESERVOIR DAM.

Detailed Location: IN THE NORTH 1/2 OF THE NW 1/4 OF SECTION 11.

Ecological: ASSOCIATED WITH THE RARE DUDLEYA VISCIDA.

General: 500 PLANTS OBSERVED IN 2000.

Owner/Manager: PVT

Occurrence No.	44	Map Index:	62237	EO Index:	62273	Element Last Seen:	2003-05-16
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2003-05-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-08-08	

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long:	33.10170 / -117.12991	Accuracy:	80 meters
UTM:	Zone-11 N3662569 E487877	Elevation (ft):	700
PLSS:	T12S, R02W, Sec. 30, SE (S)	Acres:	0.0

Location: 0.1 MI NORTH OF HARMONY GROVE ROAD, 1.5 AIR MILES ESE OF MT WHITNEY; HARMONY GROVE.

Detailed Location: NW 1/4 OF NW 1/4 OF SE 1/4 OF SECTION 30.

Ecological: SOUTHERN MIXED CHAPARRAL WITH CHAMISE, RAMONA LILAC, SCRUB OAK, MISSION MANZANITA, AND SAN DIEGO SAGEWORT (ALSO RARE).

General: 30 INDIVIDUALS OBSERVED IN 2003.

Owner/Manager: UNKNOWN



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Occurrence No.	58	Map Index:	92231	EO Index:	93329	Element Last Seen:	2013-11-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-11-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00999 / -117.22452				Accuracy:	specific area	
UTM:	Zone-11 N3652417 E479028				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 30, SE (S)				Acres:	16.0	
Location:	NORTH SIDE OF RANCHO DE LAS FLORES APPROX 0.4 AIR MILE NW OF ITS JUNCTION WITH LINEA DEL CIELO, E OF SAN ELIJO LAGOON.						
Detailed Location:	SITE NAME GIVEN IN SOURCE IS "BANKERS UNION." MAPPED BY CNDDDB AS 3 POLYGONS BASED ON 2013 CITY OF SAN DIEGO DIGITAL DATA, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 30.						
Ecological:	IN CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, EUCALYPTUS GLOBULUS, SALVIA MELLIFERA, RHUS INTEGRIFOLIA, ADOLPHIA CALIFORNICA, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, CNEORIDIUM DUMOSUM, YUCCA SCHIDIGERA, DUDLEYA, ETC.						
General:	40 PLANTS OBSERVED IN 2005. 10% COVER OF CEANOTHUS VERRUCOSUS OBSERVED DURING 2013 VEGETATION SURVEYS. A 1963 EVERETT COLLECTION FROM "1 MILE W OF RANCHO SANTA FE, 300 FT" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	59	Map Index:	92233	EO Index:	93333	Element Last Seen:	2006-11-30
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2006-11-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01543 / -117.20823				Accuracy:	specific area	
UTM:	Zone-11 N3653017 E480550				Elevation (ft):	254	
PLSS:	T13S, R03W, Sec. 29, NE (S)				Acres:	1.0	
Location:	EWING PRESERVE, ABOUT 0.2 AIR MI SE OF INTERSECTION OF MIMOSA PL AND LINEA DEL CIELO, RANCHO SANTA FE.						
Detailed Location:	EWING PRESERVE IS OWNED BY THE RANCHO SANTA FE FOUNDATION. MAPPED BY CNDDDB ACCORDING TO A 2006 MAP PROVIDED BY JENSEN. IN THE SE 1/4 OF THE NE 1/4 OF SECTION 29.						
Ecological:	SOUTHERN MARITIME CHAPARRAL ON SANDSTONE SUBSTRATE. ASSOCIATED WITH ARCTOSTAPHYLOS GLANDULOSA CRASSIFOLIA, COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, QUERCUS DUMOSA, AND ADOLPHIA CALIFORNICA.						
General:	3 PLANTS OBSERVED IN 2006.						
Owner/Manager:	PVT						



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Occurrence No.	60	Map Index:	92244	EO Index:	93343	Element Last Seen:	2011-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02933 / -117.16346				Accuracy:	non-specific area	
UTM:	Zone-11 N3654550 E484734				Elevation (ft):	100	
PLSS:	T13S, R03W, Sec. 23, W (S)				Acres:	29.0	
Location:	SANTA FE VALLEY PARK; JUST SOUTH OF WHERE THE SECOND SAN DIEGO AQUEDUCT CROSSES THE SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED BY CNDDDB AROUND "HABITAT MANAGEMENT AREA 5" AS DESCRIBED IN A HABITAT MANAGEMENT PLAN REPORT FOR THE CROSBY AT RANCHO SANTA FE.						
Ecological:	OTHER RARE SPECIES IN THIS AREA INCLUDE ADOLPHIA CALIFORNICA, QUERCUS DUMOSA, IVA HAYESIANA, ARTEMISIA PALMERI, JUNCUS ACUTUS SSP. LEOPOLDII, AND COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED. DATE OF OBSERVATION UNCLEAR; LIKELY 2011.						
Owner/Manager:	SDG COUNTY						
Occurrence No.	61	Map Index:	92245	EO Index:	93344	Element Last Seen:	2002-10-07
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2002-10-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07092 / -117.20324				Accuracy:	80 meters	
UTM:	Zone-11 N3659167 E481028				Elevation (ft):	450	
PLSS:	T13S, R03W, Sec. 04, SW (S)				Acres:	0.0	
Location:	LATIGO ROW PROPERTY, JUST NE OF THE JUNCTION OF LONE HILL LANE AND LONE HILL ESTATES COURT, NE OF OLIVENHAIN.						
Detailed Location:	MAPPED BY CNDDDB AROUND THE NORTH-CENTRAL PORTION OF THE PROPERTY AS DESCRIBED IN SOURCE. IN THE NW 1/4 OF THE SW 1/4 OF SECTION 4.						
Ecological:	DIEGAN COASTAL SAGE SCRUB DOMINATED BY CALIFORNIA SAGEBRUSH AND FLAT-TOPPED BUCKWHEAT.						
General:	1 PLANT OBSERVED IN 2002.						
Owner/Manager:	PVT						



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Occurrence No.	62	Map Index:	92246	EO Index:	93345	Element Last Seen:	2009-11-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-11-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08327 / -117.18517				Accuracy:	80 meters	
UTM:	Zone-11 N3660533 E482718				Elevation (ft):	700	
PLSS:	T12S, R03W, Sec. 34, SW (S)				Acres:	0.0	
Location:	APPROX 0.2 AIR MILE SSE OF JUNCTION OF ELFIN FOREST ROAD AND FORTUNA DEL SUR, APPROX 1.8 AIR MILES SW OF DOUBLE PEAK.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 2010 AECOM MAP IN THE SE 1/4 OF THE SW 1/4 OF SECTION 34.						
Ecological:	SOUTHERN MIXED CHAPARRAL.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2009.						
Owner/Manager:	UNKNOWN						

Occurrence No.	63	Map Index:	92247	EO Index:	93346	Element Last Seen:	2011-06-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2011-06-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08339 / -117.19999				Accuracy:	non-specific area	
UTM:	Zone-11 N3660549 E481335				Elevation (ft):	700	
PLSS:	T12S, R03W, Sec. 33, S (S)				Acres:	136.0	
Location:	RANCHO LA COSTA PRESERVE AND OLIVENHAIN MUNICIPAL WATER DISTRICT LAND, APPROXIMATELY 2 AIR MILES SW OF DOUBLE PEAK.						
Detailed Location:	2 POLYGONS. E POLY: WITHIN HUFF PARCELS LOCATED IN HIDDEN CANYON (W PORTION OF E POLYGON, SPECIFIC INFO) AND IN THE OLIVENHAIN MWD'S GATY RESERVOIR ACCESS ROAD (E PORTION OF E POLYGON, NONSPECIFIC INFO). W POLY BASED ON 2011 COORDINATES.						
Ecological:	SOUTHERN MIXED CHAPARRAL. FAIRLY OPEN COMMUNITY DOMINATED BY ADENOSTOMA FASCICULATUM, DEERWEED, XYLOCOCCUS BICOLOR, AND HELIANTHEMUM SCOPARIUM. OTHER ASSOCIATES INCLUDE ARTEMISIA CALIFORNICA, RHUS INTEGRIFOLIA, ETC. RED CLAY SOIL.						
General:	A DOMINANT COMPONENT IN THE SOUTHERN MARITIME CHAPARRAL VEGETATION IN 1999. 1000 PLANTS ESTIMATED IN 2003. 1 MILLION+ ESTIMATED IN 2008. WEST-MOST POLYGON OBSERVED IN 2011.						
Owner/Manager:	CNLM, OLIVENHAIN MWD, OTHERS						



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Occurrence No.	64	Map Index:	92248	EO Index:	93347	Element Last Seen:	2002-05-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-05-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-05
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.05392 / -117.28034				Accuracy:	80 meters	
UTM:	Zone-11 N3657300 E473827				Elevation (ft):	250	
PLSS:	T13S, R04W, Sec. 10, SE (S)				Acres:	0.0	
Location:	QUAIL PARK BOTANICAL GARDEN; NORTH OF ENCINITAS BLVD ON QUAIL GARDENS DRIVE, ENCINITAS.						
Detailed Location:	NE END OF GARDEN IN FRAGMENTS OF NATURAL VEGETATION. MAPPED BY CNDDDB IN THE SW 1/4 OF THE SE 1/4 OF SECTION 10 ACCORDING TO COORDINATES ON 2002 REBMAN COLLECTION LABEL; DATUM UNKNOWN, MAPPED BETWEEN NAD27 AND NAD83 POINTS.						
Ecological:	COASTAL SAGE SCRUB AND CHAPARRAL WITH CHAMISE, HETEROMELES ARBUTIFOLIA, ARTEMISIA CALIFORNICA, AND OPUNTIA LITTORALIS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2002 REBMAN & DUVAL COLLECTION.						
Owner/Manager:	SDG COUNTY						

Occurrence No.	65	Map Index:	92249	EO Index:	93348	Element Last Seen:	2000-05-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-05-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13303 / -117.14227				Accuracy:	1/5 mile	
UTM:	Zone-11 N3666044 E486729				Elevation (ft):	750	
PLSS:	T12S, R03W, Sec. 13, NE (S)				Acres:	0.0	
Location:	JACK'S POND PARK, SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDDB AS BEST GUESS AROUND THE PORTION OF JACK'S POND PARK WITH NATURAL VEGETATION.						
Ecological:							
General:	SITE BASED ON A CHECKLIST OF TREES, SHRUBS, AND HERBACEOUS SPECIES KNOWN FROM JACK'S POND. CHECKLIST COMPILED DURING MAY 2000.						
Owner/Manager:	CITY OF SAN MARCOS						



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Occurrence No.	66	Map Index:	81020	EO Index:	93349	Element Last Seen:	2001-XX-XX
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-07
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.22773 / -117.20145				Accuracy:	non-specific area	
UTM:	Zone-11 N3676551 E481229				Elevation (ft):		
PLSS:	T11S, R03W, Sec. 09, S (S)				Acres:	443.0	
Location:	PALISADES ESTATES, SAN MARCOS MOUNTAINS, VISTA.						
Detailed Location:	PLANTS FOUND THROUGHOUT THE PALISADES ESTATES SITE. MAPPED BY CNDDDB NON-SPECIFICALLY TO INCLUDE THE ENTIRE SITE SHOWN IN THE DRAFT EIR.						
Ecological:	MAFIC CHAPARRAL WITH TETRACOCCLUS DIOICUS, ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, CNEORIDIUM DUMOSUM, MALOSMA LAURINA, SALVIA MELLIFERA, HETEROMELES ARBUTIFOLIA, AND CERCOCARPUS MINUTIFLORUS.						
General:	60,000 PLANTS ESTIMATED IN 2001. A 1998 LEATHERMAN COLLECTION FROM T11S R3W SECTION 9 IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	PVT						
Occurrence No.	67	Map Index:	58929	EO Index:	93350	Element Last Seen:	1929-01-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1929-01-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-05
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20553 / -117.22890				Accuracy:	1 mile	
UTM:	Zone-11 N3674096 E478666				Elevation (ft):		
PLSS:	T11S, R03W, Sec. 19 (S)				Acres:	0.0	
Location:	VISTA, 8 MILES FROM OCEANSIDE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS AROUND VISTA.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1929 GRISET COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	68	Map Index:	92250	EO Index:	93351	Element Last Seen:	2009-06-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-06-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-05-05
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.00489 / -117.15503				Accuracy:	80 meters	
UTM:	Zone-11 N3651840 E485517				Elevation (ft):	200	
PLSS:	T13S, R03W, Sec. 35, NE (S)				Acres:	0.0	
Location:	BLACK MOUNTAIN OPEN SPACE PARK; APPROX 1.2 AIR MILES SE OF THE CONFLUENCE OF LUSARDI CREEK WITH SAN DIEGUI TO RIVER.						
Detailed Location:	MAPPED BY CNDDB IN THE NE 1/4 OF THE NE 1/4 OF SECTION 35 ACCORDING TO 2009 VEGETATION SURVEY COORDINATES.						
Ecological:	ASSOCIATED WITH SALVIA MELLIFERA, RHUS INTEGRIFOLIA, CNEORIDIUM DUMOSUM, ARTEMISIA CALIFORNICA, BROMUS RUBENS, MALOSMA LAURINA, B. HORDEACEUS, ERIOGONUM FASCICULATUM, CENTAUREA MELITENSIS, LICHENS AND MOSSES, ETC.						
General:	1% COVER OF CEANOTHUS VERRUCOSUS REPORTED HERE DURING 2009 VEGETATION SURVEYS.						
Owner/Manager:	CITY OF SAN DIEGO						
Occurrence No.	72	Map Index:	A5065	EO Index:	106765	Element Last Seen:	2002-03-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-03-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-15
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.04869 / -117.09048				Accuracy:	80 meters	
UTM:	Zone-11 N3656688 E491552				Elevation (ft):	370	
PLSS:	T13S, R02W, Sec. 16, NE (S)				Acres:	5.0	
Location:	SOUTH OF LAKE HODGES; APPROXIMATELY 1.9 AIR MILES NNW OF THE JUNCTION OF I-15 AND RANCHO BERNARDO ROAD.						
Detailed Location:	MAPPED ACCORDING TO 2002 VEGETATION SURVEY COORDINATES, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 16.						
Ecological:	ASSOCIATED WITH ERIOGONUM FASCICULATUM, RHAMNUS CROCEA, BROMUS, LONICERA SUBSPICATA, KECKIELLA ANTIRRHINOIDES, PRUNUS ILICIFOLIA, ARTEMISIA CALIFORNICA, SALVIA APIANA, ADENOSTOMA FASCICULATUM, CEANOTHUS TOMENTOSUS, HAZARDIA SQUARROSA, ETC.						
General:	LESS THAN 1% COVER OF CEANOTHUS VERRUCOSUS OBSERVED DURING 2002 VEGETATION SURVEYS.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	73	Map Index:	A5066	EO Index:	106766	Element Last Seen:	2016-01-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-01-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-07-07
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.07075 / -117.08511				Accuracy:	specific area	
UTM:	Zone-11 N3659133 E492056				Elevation (ft):	515	
PLSS:	T13S, R02W, Sec. 4, SE (S)				Acres:	2.0	
Location:	FAR NORTH END OF BERNARDO MOUNTAIN OPEN SPACE.						
Detailed Location:	MAPPED ACCORDING TO 2016 MORSE COORDINATES, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 4.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016.						
Owner/Manager:	SAN DIEGUITO RIVER VALLEY CONS						

Occurrence No.	74	Map Index:	A5067	EO Index:	106767	Element Last Seen:	2009-09-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-09-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-23
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02178 / -117.16397				Accuracy:	specific area	
UTM:	Zone-11 N3653714 E484687				Elevation (ft):	365	
PLSS:	T13S, R03W, Sec. 26, NW (S)				Acres:	1.0	
Location:	ABOUT 0.25 AIR MILE NW OF THE JUNCTION OF ARTESIAN ROAD AND RIO VISTA ROAD, EAST OF RANCHO SANTA FE.						
Detailed Location:	BAGLEY RANCHO SANTA FE PROPERTIES. MAPPED ACCORDING TO A 2009 BAILEY MAP, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 26.						
Ecological:	ADOLPHIA CALIFORNICA ALSO OCCURS NEARBY.						
General:	3 PLANTS OBSERVED IN 2009.						
Owner/Manager:	PVT						

Occurrence No.	75	Map Index:	A4879	EO Index:	106868	Element Last Seen:	2010-01-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2010-01-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05 / -117.20944				Accuracy:	80 meters	
UTM:	Zone-11 N3656849 E480446				Elevation (ft):	98	
PLSS:	T13S, R03W, Sec. 17, NE (S)				Acres:	5.0	
Location:	ALONG ESCONDIDO CREEK, ABOUT 1.5 MILES EAST OF OLIVENHAIN, AREA SOUTH OF RANCHO DE MAYO.						
Detailed Location:	MAPPED ACCORDING TO ANGEL COORDINATES. LOCATION DESCRIPTION SAYS "1.5 MILES WEST OF OLIVENHAIN" BUT 1.5 MILES EAST BETTER MATCHES COORDINATES.						
Ecological:	ESCONDIDO CREEK RIVERBED. CHAPARRAL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2010 ANGEL COLLECTION.						
Owner/Manager:	UNKNOWN						



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Horkelia cuneata var. puberula

Element Code: PDROS0W045

mesa horkelia

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4T1
State: None **State:** S1
Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive
Habitat: **General:** CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.
Micro: SANDY OR GRAVELLY SITES. 15-1645 M.

Occurrence No. 2 **Map Index:** 98645 **EO Index:** 54857 **Element Last Seen:** 1998-06-11
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1998-06-11
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-01-25
Quad Summary: Pala (3311731), Pechanga (3311741)
County Summary: San Diego

Lat/Long: 33.37575 / -117.04511 **Accuracy:** non-specific area
UTM: Zone-11 N3692944 E495804 **Elevation (ft):** 880
PLSS: T09S, R02W, Sec. 24, SW (S) **Acres:** 22.0

Location: EAST SIDE OF MAGEE RD AT THE WEST BASE OF HERIOT MOUNTAIN; ABOUT 1.3 MILES NORTH OF INTERSECTION OF HWY 76 AND MAGEE RD.
Detailed Location: MAPPED ALONG THE PORTION OF MAGEE ROAD (EAST SIDE) THAT IS ON THE WEST BASE OF HERIOT MOUNTAIN, NEAR GIVEN ELEVATION OF 880 FEET AND WITHIN GIVEN SECTION 24.
Ecological: UNDER QUERCUS AGRIFOLIA. DISTURBED CHAPARRAL WITH ERIOGONUM FASCICULATUM, RHUS OVATA, ARTEMISIA CALIFORNICA, RICINUS COMMUNIS, BRASSICA GENICULATA, AVENA FATUA, ETC. GRANITIC COLLUVIUM WITH SANDY SOIL. SW ASPECT. 10% SLOPE.
General: UNKNOWN NUMBER OF PLANTS SEEN IN 1998. A 1940 GANDER COLLECTION FROM "NEAR MCGEE RANCH, NEAR PALA, 300 METERS" IS ALSO ATTRIBUTED TO THIS SITE.
Owner/Manager: BIA-PALA RES

Occurrence No. 3 **Map Index:** 54859 **EO Index:** 54859 **Element Last Seen:** 1926-04-30
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1926-04-30
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-01-04

Quad Summary: Pala (3311731)
County Summary: San Diego

Lat/Long: 33.36244 / -117.05001 **Accuracy:** non-specific area
UTM: Zone-11 N3691470 E495348 **Elevation (ft):**
PLSS: T09S, R02W, Sec. 25 (S) **Acres:** 134.0

Location: 1-2 MILES EAST OF PALA.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS ALONG CA-76/PALA ROAD ABOUT 1 TO 2 ROAD MILES EAST OF PALA.
Ecological: DRY, OPEN SLOPE.
General: SITE BASED ON A 1926 PEIRSON COLLECTION FROM "ABOUT 1 MI FROM PALA ON THE ROAD TO HENSHAW DAM" AND A 1926 MUNZ COLLECTION FROM "2 MILES EAST OF PALA." NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Horkelia truncata

Element Code: PDROS0W0G0

Ramona horkelia

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3
State: None **State:** S3
Other:



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Habitat:	General:	Rare Plant Rank - 1B.3, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_UCBG-UC Botanical Garden at Berkeley, USFS_S-Sensitive					
	Micro:	CHAPARRAL, CISMONTANE WOODLAND. HABITATS IN CALIFORNIA INCLUDE: MIXED CHAPARRAL, VERNAL STREAMS, AND DISTURBED AREAS NEAR ROADS. CLAY SOIL; AT LEAST SOMETIMES ON GABBRO. 380-1190 M.					
Occurrence No.	12	Map Index:	03957	EO Index:	19520	Element Last Seen:	1984-05-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-05-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2002-04-11
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20499 / -117.13798			Accuracy:	80 meters		
UTM:	Zone-11 N3674021 E487140			Elevation (ft):	1550		
PLSS:	T11S, R02W, Sec. 19, NW (S)			Acres:	0.0		
Location:	APPROXIMATELY 1 MILE NW OF JUNCTION OF I-15 & DEER SPRINGS RD, NORTH OF CITY OF SAN MARCOS.						
Detailed Location:	SW 1/4 OF NW 1/4 SECTION 19.						
Ecological:	ON ACID IGNEOUS SUBSTRATE IN MIXED CHAPARRAL; ASSOCIATED WITH ADENOSTOMA FASCICULATUM, ARCTOSTAPHYLOS GLANDULOSA GLANDULOSA AND XYLOCOCCUS BICOLOR.						
General:	FEWER THAN 10 PLANTS SEEN IN 1984. SITE BEING CONSIDERED FOR EXCHANGE TO PRIVATE OWNERSHIP.						
Owner/Manager:	BLM						
Occurrence No.	43	Map Index:	98492	EO Index:	99925	Element Last Seen:	2005-04-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-12-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11884 / -117.15093			Accuracy:	specific area		
UTM:	Zone-11 N3664472 E485919			Elevation (ft):	1300		
PLSS:	T12S, R03W, Sec. 24, NW (S)			Acres:	11.0		
Location:	FIRST 500 FEET OF COCOS ROAD, WEST FROM INTERSECTION OF COCOS ROAD AND WASHINGTONIA DRIVE, SAN MARCOS.						
Detailed Location:	MAPPED ACCORDING TO COORDINATES AND LOCATION DESCRIPTION ON COLLECTION LABEL.						
Ecological:	GRANITIC SOIL. SOUTHERN MIXED CHAPARRAL. CEANOTHUS AND CHAMISE.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2005 LOWE COLLECTION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	44	Map Index:	98493	EO Index:	99926	Element Last Seen:	2006-05-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-12-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11437 / -117.15554				Accuracy:	80 meters	
UTM:	Zone-11 N3663977 E485489				Elevation (ft):	1250	
PLSS:	T12S, R03W, Sec. 24, SW (S)				Acres:	5.0	
Location:	0.17 MI W ON DIRT ROAD HEADING DOWN HILL FROM WASHINGTONIA DR, 0.03 MI N OF INTERSECTION WITH OCEANVIEW DR, SAN MARCOS.						
Detailed Location:	MAPPED ACCORDING TO COORDINATES ON COLLECTION LABEL.						
Ecological:	GRANITIC AND SANDY SOIL. CHAMISE AND CEANOTHUS CHAPARRAL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2006 LOWE COLLECTION; "SOMEWHAT COMMON" IN 2006.						
Owner/Manager:	UNKNOWN						

Occurrence No.	49	Map Index:	98499	EO Index:	99933	Element Last Seen:	2005-01-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-01-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-12-11
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.20099 / -117.06181				Accuracy:	80 meters	
UTM:	Zone-11 N3673571 E494239				Elevation (ft):	1920	
PLSS:	T11S, R02W, Sec. 23, SW (S)				Acres:	5.0	
Location:	HIDDEN SPRING TRAIL NEAR ITS JUNCTION WITH ENGELMANN OAK TRAIL, JUST SE OF BURNT MOUNTAIN, DALEY RANCH.						
Detailed Location:	MAPPED ACCORDING TO A 2005 DILLANE AND CHESTER CHECKLIST.						
Ecological:							
General:	1 PLANT OBSERVED IN 2005.						
Owner/Manager:	CITY OF ESCONDIDO						

Occurrence No.	50	Map Index:	98500	EO Index:	99934	Element Last Seen:	2005-03-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-03-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-12-11
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.17682 / -117.06102				Accuracy:	non-specific area	
UTM:	Zone-11 N3670891 E494312				Elevation (ft):	1700	
PLSS:	T11S, R02W, Sec. 35, NW (S)				Acres:	40.0	
Location:	ROCK RIDGE TRAIL, DALEY RANCH.						
Detailed Location:	MAPPED TO ENCOMPASS ROCK RIDGE TRAIL ACCORDING TO A DILLANE AND CHESTER CHECKLIST.						
Ecological:							
General:	10 PLANTS OBSERVED ABOUT MIDWAY ON THE TRAIL IN 2005; A LARGE NUMBER OF WHAT APPEAR TO BE SEEDLINGS OF THIS SPECIES WERE ALSO OBSERVED ALONG THE TRAIL.						
Owner/Manager:	CITY OF ESCONDIDO						



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Stemodia durantifolia

Element Code: PDSCR1U010

purple stemodia

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G5

State: None

State: S2

Other: Rare Plant Rank - 2B.1, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

Habitat: **General:** SONORAN DESERT SCRUB.

Micro: SANDY SOILS; MESIC SITES. 35-385 M.

Occurrence No. 13 **Map Index:** 49473 **EO Index:** 49473 **Element Last Seen:** 1931-09-10

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1931-09-10

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-10-12

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long: 33.03903 / -117.15840 **Accuracy:** non-specific area

UTM: Zone-11 N3655624 E485209 **Elevation (ft):** 245

PLSS: T13S, R03W, Sec. 14 (S) **Acres:** 77.3

Location: SAN DIEGUITO RIVER, 2 MILES BELOW HODGES DAM.

Detailed Location:

Ecological: BETWEEN STONES IN HALF DRY STREAM BED.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1931 FOSBERG COLLECTION. NEEDS FIELDWORK.

Owner/Manager: SDG COUNTY, UNKNOWN

Occurrence No. 18 **Map Index:** A1906 **EO Index:** 81375 **Element Last Seen:** 2013-03-26

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2013-03-26

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2016-09-22

Quad Summary: Rancho Santa Fe (3311712)

County Summary: San Diego

Lat/Long: 33.04139 / -117.13209 **Accuracy:** specific area

UTM: Zone-11 N3655883 E487667 **Elevation (ft):** 170

PLSS: T13S, R02W, Sec. 18, SW (S) **Acres:** 9.0

Location: SAN DIEGUITO RIVER; APPROXIMATELY 500 METERS WEST OF LAKE HODGES DAM AND 100 METERS SOUTH OF DEL DIOS HIGHWAY.

Detailed Location: MAPPED ACCORDING TO 2006 BUEGGE COORDINATES AND 2013 REBMAN COORDINATES.

Ecological: GENTLE SLOPES. ROCKY TERRAIN (GRAY BOULDERS AND BEDROCK) WITH SANDY DEPOSITS. WILLOW-SYCAMORE RIPARIAN WOODLAND ASSOCIATED WITH ARTEMISIA CALIFORNICA, SALIX GOODDINGII, SALVIA MELLIFERA, VENEGASIA CARPESIOIDES, ERIOGONUM FASCICULATUM, ETC.

General: MENTIONED AS "OCCASIONAL ALONG STREAM AMONG ROCKS" IN 2006. MENTIONED AS "RARE" IN 2013.

Owner/Manager: PVT-ENVIRONMENTAL TRUST



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Agave shawii var. shawii

Element Code: PMAGA010P1

Shaw's agave

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G2G3T2T3
State: None **State:** S1
Other: Rare Plant Rank - 2B.1, IUCN_EN-Endangered, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden
Habitat: **General:** COASTAL BLUFF SCRUB, COASTAL SCRUB.
Micro: COASTAL BLUFFS AND SLOPES WITHIN COASTAL SAGE SCRUB. 10-120 M.

Occurrence No. 9 **Map Index:** B3131 **EO Index:** 115050 **Element Last Seen:** 2016-10-04
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2016-10-04
Occ. Type: Transplant Outside of Native Hab./Range **Trend:** Unknown **Record Last Updated:** 2019-05-28

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.00423 / -117.26018 **Accuracy:** specific area
UTM: Zone-11 N3651785 E475696 **Elevation (ft):** 200
PLSS: T13S, R04W, Sec. 35, NE (S) **Acres:** 2.0

Location: SAN ELIJO LAGOON ECOLOGICAL RESERVE; ~0.5 MILE SE OF INTERSECTION OF I-5 AND MANCHESTER AVE.

Detailed Location: MAPPED ACCORDING TO 2009 VEGETATION SURVEY COORDINATES AND DIGITAL DATA FROM THE SAN DIEGO MANAGEMENT AND MONITORING PROGRAM.

Ecological: MEDIUM TO VERY FINE SANDY LOAM. SANDSTONE SUBSTRATE. NW ASPECT. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, XYLOCOCCUS BICOLOR, MOSS, QUERCUS DUMOSA, CARDIONEMA RAMOSISSIMUM, CEANOTHUS VERRUCOSUS, ERIOGONUM FASCICULATUM, ETC.

General: LESS THAN 1% COVER OF AGAVE SHAWII SEEN IN 2009. 20 PLANTS SEEN IN 2015. 18 RAMETS SEEN IN 2016. THIS IS A TRANSPLANTED OCCURRENCE ACCORDING TO SDMMMP.

Owner/Manager: SDG COUNTY

Occurrence No. 10 **Map Index:** B3133 **EO Index:** 115052 **Element Last Seen:** 2016-05-25
Occ. Rank: Poor **Presence:** Presumed Extant **Site Last Seen:** 2016-05-25
Occ. Type: Transplant Outside of Native Hab./Range **Trend:** Unknown **Record Last Updated:** 2019-05-28

Quad Summary: Encinitas (3311713)

County Summary: San Diego

Lat/Long: 33.12403 / -117.32948 **Accuracy:** specific area
UTM: Zone-11 N3665085 E469264 **Elevation (ft):** 45
PLSS: T12S, R04W, Sec. 20, NW (S) **Acres:** 1.0

Location: SOUTH CARLSBAD STATE BEACH, ~100 METERS WEST OF PALOMAR AIRPORT ROAD BRIDGE OVER CARLSBAD BLVD.

Detailed Location: MAPPED ACCORDING TO 2015 KENTNER COORDINATES AND DIGITAL DATA FROM THE SAN DIEGO MANAGEMENT AND MONITORING PROGRAM.

Ecological: ALONG STEEP WEST FACING SLOPE OF COASTAL BLUFFS. LOTS OF CARPOBROTUS EDULUS. ASSOCIATED WITH ERIOGONUM PARVIFOLIUM, LYCIUM CALIFORNICUM, SUAEDA TAXIFOLIA, ETC.

General: 1 OLDER PLANT IN NATURAL LOCATION SEEN IN 2015. 26 PLANTS SEEN IN 2016. POSSIBLY NATURAL OR PLANTED A LONG TIME AGO; SURVEYS CONDUCTED AS PART OF RESTORATION EVALUATION. MAPPED BY CNDDB AS A TRANSPLANTED OCCURRENCE, MORE INFO NEEDED.

Owner/Manager: DPR-SOUTH CARLSBAD SB

Nolina cismontana

Element Code: PMAGA080E0

chaparral nolina

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3



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Habitat:	State:	None				State:	S3	
	Other:	Rare Plant Rank - 1B.2, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive						
	General:	CHAPARRAL, COASTAL SCRUB.						
	Micro:	PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.						
Occurrence No.	5	Map Index:	54528	EO Index:	54528	Element Last Seen:	1984-06-21	
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-06-21	
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-21	
Quad Summary:	Pala (3311731)							
County Summary:	San Diego							
Lat/Long:	33.35421 / -117.11380				Accuracy:	2/5 mile		
UTM:	Zone-11 N3690562 E489411				Elevation (ft):	460		
PLSS:	T09S, R02W, Sec. 32 (S)				Acres:	0.0		
Location:	SAN LUIS REY RIVER VALLEY, NORTH OF HWY 76 AND ACROSS FROM RANCH REATA, 6.4 KM EAST OF I-15.							
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG THE NW SIDE OF HWY 76 AROUND 6.4 ROAD KM E OF I-15 AND COORDINATES GIVEN ON 1984 COLLECTION LABEL: NEAR -117 06 48 W, 33 21 06 N.							
Ecological:	GROWING ON LAS POSAS FINE SANDY LOAMS ON SOUTH-FACING SLOPES OVERLOOKING THE SAN LUIS REY RIVER.							
General:	MAIN SOURCE OF INFO IS A 1984 WIER COLLECTION. SITE FROM REISER'S RARE PLANTS OF SAN DIEGO CO (2001): "NE OF GREGORY CYN ON THE S-FACING SLOPES OVERLOOKING SAN LUIS REY RIVER" ATTRIBUTED HERE, PLANTS "GROWING IN CONSIDERABLE NUMBERS."							
Owner/Manager:	UNKNOWN							
Occurrence No.	6	Map Index:	54541	EO Index:	54541	Element Last Seen:	1975-07-27	
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1975-07-27	
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-03-10	
Quad Summary:	Bonsall (3311732)							
County Summary:	San Diego							
Lat/Long:	33.36914 / -117.14504				Accuracy:	2/5 mile		
UTM:	Zone-11 N3692220 E486506				Elevation (ft):	900		
PLSS:	T09S, R03W, Sec. 25 (S)				Acres:	0.0		
Location:	SAN LUIS REY VALLEY, 2.1 MILES NORTH OF HWY 76 AND 0.25 MILE WEST OF RICE CANYON ROAD.							
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB, 2.1 MILES N OF HWY 76 AND 0.25 MILE W OF RICE CANYON ROAD.							
Ecological:	NORTH OR NORTHEAST SLOPE.							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1975 SPROUL COLLECTION. NEEDS FIELDWORK.							
Owner/Manager:	UNKNOWN							



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Occurrence No.	30	Map Index:	81017	EO Index:	94389	Element Last Seen:	2001-01-19
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-01-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-07-23
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.36519 / -117.10632				Accuracy:	specific area	
UTM:	Zone-11 N3691778 E490109				Elevation (ft):	800	
PLSS:	T09S, R02W, Sec. 29, SE (S)				Acres:	6.0	
Location:	ABOUT 0.4 MILE NORTH OF HIGHWAY 76 AND 0.5 MILE WEST OF GOMEZ CREEK, WEST OF PALA.						
Detailed Location:	"VERIZON WIRELESS PALA ROAD SITE." MAPPED IN THE NE 1/4 OF THE SE 1/4 OF SECTION 29 ACCORDING TO 2005/2013 DIGITAL DATA FROM SAN DIEGO COUNTY.						
Ecological:	OPEN CHAPARRAL. ASSOCIATED WITH TETRACOCCLUS DIOICUS.						
General:	6 PLANTS OBSERVED IN 2001. 1992 REISER COLLECTION FROM "N OF HWY 76 AND 0.5 MI W OF GOMEZ CREEK" AND 2000 REISER COLLECTION FROM "KNOLL ~0.5 MI N OF HWY 76, W OF GOMEZ CREEK" ARE ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	UNKNOWN						

Allium marvinii				Element Code: PMLIL02330				
Yucaipa onion								
Listing Status:	Federal:	None			CNDDB Element Ranks:	Global:	G1	
	State:	None				State:	S1	
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive						
Habitat:	General:	CHAPARRAL.						
	Micro:	IN OPENINGS ON CLAY SOILS. 850-1070 M.						

Occurrence No.	31	Map Index:	B6568	EO Index:	119628	Element Last Seen:	2017-03-26	
Occ. Rank:	Unknown			Presence:	Presumed Extant		Site Last Seen:	2017-03-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown		Record Last Updated:	2020-11-25
Quad Summary:	Bonsall (3311732)							
County Summary:	San Diego							
Lat/Long:	33.36602 / -117.15391				Accuracy:	specific area		
UTM:	Zone-11 N3691876 E485682				Elevation (ft):	775		
PLSS:	T09S, R03W, Sec. 25, NW (S)				Acres:	4.0		
Location:	MONSERATE MOUNTAIN PRESERVE; 0.4-0.6 AIR MILE SW OF SUMMIT OF MONSERATE MTN, EAST OF I-15.							
Detailed Location:	MAPPED AS 4 POLYGONS BY CNDDB BASED ON 2017 CALFLORA OBSERVATIONS, IN THE SOUTH 1/2 OF THE NW 1/4 OF SECTION 25.							
Ecological:								
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017. OVARY CRESTS APPEAR INTERMEDIATE BETWEEN A. MARVINII AND A. HAEMATOCHITON ON MANY PLANTS.							
Owner/Manager:	FALLBROOK LAND CONSERVANCY							

<i>Brodiaea filifolia</i>				Element Code: PMLILO050			
thread-leaved brodiaea							
Listing Status:	Federal:	Threatened			CNDDB Element Ranks:	Global:	G2
	State:	Endangered				State:	S2
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank					
Habitat:	General:						



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CHAPARRAL (OPENINGS), CISMONTANE WOODLAND, COASTAL SCRUB, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: USUALLY ASSOCIATED WITH ANNUAL GRASSLAND AND VERNAL POOLS; OFTEN SURROUNDED BY SHRUBLAND HABITATS. OCCURS IN OPENINGS ON CLAY SOILS. 15-1030 M.

Occurrence No.	10	Map Index:	70422	EO Index:	7726	Element Last Seen:	2017-05-10
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2017-05-10	
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:		2021-02-02	

Quad Summary: San Marcos (3311722)

County Summary: San Diego

Lat/Long:	33.13867 / -117.19641	Accuracy:	specific area
UTM:	Zone-11 N3666677 E481680	Elevation (ft):	545
PLSS:	T12S, R03W, Sec. 9, NE (S)	Acres:	20.0

Location: SAN MARCOS, APPROXIMATELY 0.7 TO 1 AIR MILE SOUTH OF HIGHWAY 78 / SOUTH RANCHO SANTA FE ROAD JUNCTION.

Detailed Location: TWO COLONIES. NORTHERN COLONY IS BOUNDED BY LA MIRANDA DRIVE, LAS POSAS ROAD, LINDA VISTA DRIVE, AND PACIFIC STREET. SOUTHERN COLONY IS IN THE IRREGULARLY-SHAPED CITY BLOCK IMMEDIATELY SW OF THE NORTHERN COLONY.

Ecological: VERNAL POOLS WITH ACANTHOMINTHA ILICIFOLIA, B. ORCUTTII, ERYNGIUM ARISTULATUM PARISHII, DOWNINGIA CUSPIDATA, ISOETES ORCUTTII, PILULARIA AMERICANA ETC. PAST GRUBBING AND MOWING; NONNATIVE GRASSES NOW COVER ALL NON-VERNAL POOL PARTS OF SITE.

General: N COLONY: 1000 IN 1986; 342,000 IN 1993; 30,000+ IN 1995; ~100 IN PATCH IN 2017. S COLONY: 800 IN 1993 & 1000 IN 1995. HYBRIDS WITH B. JOLONENSIS OCCUR IN N COLONY. DAMAGE TO SITE ASSESSED IN 2009: FREQUENT ORV USE IS DEGRADING SITE.

Owner/Manager: PVT

Occurrence No.	11	Map Index:	03773	EO Index:	8217	Element Last Seen:	2017-XX-XX
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2017-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:		2021-01-22	

Quad Summary: San Marcos (3311722)

County Summary: San Diego

Lat/Long:	33.1579 / -117.19203	Accuracy:	specific area
UTM:	Zone-11 N3668808 E482093	Elevation (ft):	700
PLSS:	T12S, R03W, Sec. 4, E (S)	Acres:	71.0

Location: APPROXIMATELY 0.3-1.2 MILES NNW OF PALOMAR COLLEGE, JUST EAST OF MISSION ROAD AND THE TRAIN TRACKS, SAN MARCOS.

Detailed Location: NE OF RAILROAD TRACKS, ON BOTH SIDES OF SECOND SAN DIEGO AQUEDUCT. INCLUDES LOMA ALTA, RANCHO SANTALINA, AND NEW MILLENNIUM PROJECT SITES. MAPPED AS NUMEROUS POLYGONS MOSTLY IN SE 1/4 SEC 4, W 1/2 SEC 3, AND NE 1/4 OF SEC 9.

Ecological: GROWING IN DISTURBED GRASSLAND AND SOUTHERN CALIFORNIA GRASSLAND HABITATS IN ASSOCIATION WITH FRITILLARIA BIFLORA, BRACHYPODIUM DISTICHUM, AVENA FATUA, FOENICULUM VULGARE, BLOOMERIA CROCEA, LOLIUM PERENNE, CHLOROGALUM PARVIFLORUM, ETC.

General: LARGE PORTION DESTROYED IN 1983. 5521 PLANTS IN 2000, MOST REMOVED IN 2003-04. 13 REMAINED IN 2004. ~12,000 CORMS TRANSPLANTED TO PART OF SITE, INCL REMNANT OF NATURAL POP. PARTS OF SITE: 45 PLANTS IN 2007, 495 IN 2013, 6000-9500 IN 2017.

Owner/Manager: PVT



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Occurrence No.	12	Map Index:	31792	EO Index:	2129	Element Last Seen:	2014-06-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2014-06-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-06-15
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16784 / -117.20499				Accuracy:	specific area	
UTM:	Zone-11 N3669913 E480886				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 04, NW (S)				Acres:	1.0	
Location:	BETWEEN CHERIMOYA DR AND RR TRACKS, ~0.1 AIR MILE NORTH OF INTERSECTION OF POINSETTIA AVE AND S SANTA FE AVE, BUENA.						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 4 ACCORDING TO A 2014 SCUDIERE MAP.						
Ecological:	WITHIN A DISTURBED GRASSY FIELD DOMINATED BY NON-NATIVE GRASSES, ARTICHOKE THISTLE, AND FENNEL.						
General:	PLANTS OBSERVED IN 1980 WITH A DENSITY OF 1-2 PER SQUARE METER IN A RESIDENTIAL AREA. SITE VISITED IN 1981 BY SCHEIDT BUT NO PLANTS SEEN. OVER 50 PLANTS OBSERVED IN 2015; ALL OBSERVED SPECIMENS WERE DESSICATED.						
Owner/Manager:	PVT						

Occurrence No.	13	Map Index:	03652	EO Index:	21801	Element Last Seen:	1980-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1980-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-04-29
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.17003 / -117.23782				Accuracy:	1/5 mile	
UTM:	Zone-11 N3670161 E477826				Elevation (ft):	500	
PLSS:	T11S, R03W, Sec. 31, SW (S)				Acres:	0.0	
Location:	APPROXIMATELY 2.5 MILES NORTH OF CARLSBAD DRAGSTRIP.						
Detailed Location:							
Ecological:							
General:	SEEN BY WAYNE ARMSTRONG IN THE 1980S. WITH DENSITY OF 1-2 PLANTS PER SQUARE METER ON ABOUT 10 ACRES.						
Owner/Manager:	PVT						



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Occurrence No.	14	Map Index:	03640	EO Index:	21800	Element Last Seen:	2019-02-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-02-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-23
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13711 / -117.24952				Accuracy:	specific area	
UTM:	Zone-11 N3666514 E476726				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 13, N (S)				Acres:	31.0	
Location:	BETWEEN PALOMAR AIRPORT ROAD AND FARADAY AVENUE, WEST OF MELROSE DRIVE, CARLSBAD.						
Detailed Location:	CARLSBAD OAKS NORTH HCA. MAPPED BY CNDDDB AS 4 POLYGONS BASED ON 2008 GPS POINTS, A 2008 CENTER FOR NATURAL LANDS MGMT SHAPEFILE (DATA COLLECTED IN 2000), AND 2010 MCCONNELL COORDINATES/MAP. PART OF RANCHO LA COSTA PRESERVE (OWNED BY CNLM).						
Ecological:	WEEDY OPENING IN COAST SCRUB OAK CHAPARRAL AND COASTAL SAGE SCRUB. ASSOCIATED WITH BROMUS MADRITENSIS, LOLIUM MULTIFLORUM, BRACHYPODIUM DISTACHYON, BRASSICA NIGRA, CARDUUS PYCNOCEPHALUS, FOENICULUM VULGARE, ADOLPHIA CALIFORNICA, ETC.						
General:	1980S MAP INDICATED PLANTS MAY BE TO E; SURVEYED IN 2004, NO SUITABLE HABITAT. POP #S FOR PORTIONS OF SITE: 26 IN 2000, ~400 ROSETTES IN 2008, 293 IN 2010, 217 IN 2016, 65 IN MONITORING PLOT IN 2017 (100S MORE THROUGHOUT AREA), 492 IN 2019.						
Owner/Manager:	CNLM						

Occurrence No.	15	Map Index:	03514	EO Index:	21799	Element Last Seen:	2017-11-21
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2017-11-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-22
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19513 / -117.27278				Accuracy:	specific area	
UTM:	Zone-11 N3672953 E474574				Elevation (ft):	285	
PLSS:	T11S, R04W, Sec. 26, SW (S)				Acres:	1.0	
Location:	ABOUT 0.75 AIR MILE EAST OF LANDES PARK AND 0.25 MILE NORTH OF HWY 78, VISTA.						
Detailed Location:	MAPPED IN THE NE 1/4 NW 1/4 SECTION 26 BASED ON 2017 DUDEK MAPS. 1980S ARMSTRONG OBSERVATION FROM "APPROXIMATELY 0.5 MILE ENE OF LANDES PARK, NEAR VISTA" ATTRIBUTED HERE; AN ESTIMATED 1-2 PLANTS PER SQUARE METER ON 1-2 ACRES OBSERVED.						
Ecological:	ANNUAL GRASSLAND ON LAS FLORES LOAMY FINE SAND AND DIABLO CLAY. ASSOCIATES INCLUDE BRACHYPODIUM DISTACHYON, AVENA FATUA, AND FOENICULUM VULGARE.						
General:	15 FLOWERING PLANTS AND AN ESTIMATED SEVERAL HUNDRED CORMS OBSERVED HERE AT UNKNOWN DATE. SEEN IN 2012. SMALL POPULATION (~300 SQ FT) TRANSLOCATED FROM HERE TO OCCURRENCE #91 IN NOVEMBER 2017.						
Owner/Manager:	PVT						



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Occurrence No.	16	Map Index:	03501	EO Index:	8140	Element Last Seen:	2019-05-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-03
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.14094 / -117.27876				Accuracy:	specific area	
UTM:	Zone-11 N3666946 E474001				Elevation (ft):	240	
PLSS:	T12S, R04W, Sec. 11, SW (S)				Acres:	28.0	
Location:	LETTERBOX CANYON, ON BOTH SIDES OF COLLEGE BLVD, JUST SOUTH OF THE INTERSECTION WITH EL CAMINO REAL, CARLSBAD.						
Detailed Location:	INCLUDES FOX-MILLER PROPERTY, TAYLOR-MADE OPEN SPACE, AND NEWTON BUSINESS CENTER SITES. MAPPED BY CNDDB AS 6 POLYGONS BASED ON A 2005 ROBERTS MAP (W POLYGON), 2003/2005 RECON MAPS, 2008 SCHEIDT MAP, 2009 HELIX MAP & 2019 SDMMP SHAPEFILE.						
Ecological:	CLAY SOIL GRASSLAND AND NON-NATIVE GRASSLAND WITH SCATTERED STIPA PULCHRA. ASSOCIATED WITH ERODIUM BOTRYS, CENTAUREA MELITENSIS, BRASSICA NIGRA, HAZARDIA SQUARROSA, ACACIA, AND INVASIVE GRASSES.						
General:	SITE MOSTLY NATIVE; CORMS TRANSPLANTED TO PARTS OF 2 N POLYS IN 1984 & 1997. PORTIONS OF SITE: LARGE #S IN 1998, 19,100 IN 2003, 36,712 IN 2004, ~8.6 MIL CORMS & 39,522 VEG IN 2005. 7816 EST IN 2016, 32,037 IN 2017, 49,315 IN 2019.						
Owner/Manager:	PVT						

Occurrence No.	17	Map Index:	03590	EO Index:	21797	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1977-04-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-07-13
Quad Summary:	San Marcos (3311722), San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18225 / -117.25143				Accuracy:	1/5 mile	
UTM:	Zone-11 N3671519 E476561				Elevation (ft):	400	
PLSS:	T11S, R04W, Sec. 36, N (S)				Acres:	0.0	
Location:	CITY OF VISTA, EAST OF (SOUTH) MELROSE AVE (SECTION 36).						
Detailed Location:	"VISTA" POPULATION.						
Ecological:	ADOBE HILLSIDE.						
General:	EXTIRPATED AT LOCATION BUT FEW TRANSPLANTED TO FENCED PLOT JUST SOUTH OF ORIGINAL SITE WHERE PLANTS ARE NOT DOING WELL (ACC TO ARMSTRONG, 1983). ORIGINAL POPULATION EXTIRPATED; TRANSPLANTED TO BREngle TERRACE AND CARRIAGE HILLS ESTATES.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	18	Map Index:	03706	EO Index:	21795	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1992-XX-XX
Occ. Type:	Introduced Back into Native Hab./Range			Trend:	Unknown	Record Last Updated:	1993-04-29
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.20696 / -117.22366				Accuracy:	1/5 mile	
UTM:	Zone-11 N3674253 E479155				Elevation (ft):	600	
PLSS:	T11S, R03W, Sec. 20, NW (S)				Acres:	0.0	
Location:	BRENGLE TERRACE PARK IN VISTA. (TRANSPLANTED FROM VISTA POPULATION).						
Detailed Location:							
Ecological:							
General:	UNKNOWN WHEN SPECIES LAST SEEN BY ARMSTRONG. NOT A NATURAL POPULATION, WITHIN DEVELOPMENT. EXTIRPATED AT NEARBY CARRIAGE HILLS ESTATES. ACCORDING TO ERCE, MITIGATION-TRANSPLANT FAILED BY 1992 AND THE POPULATION MAY BE EXTIRPATED.						
Owner/Manager:	PVT						

Occurrence No.	21	Map Index:	26229	EO Index:	22829	Element Last Seen:	2011-06-30
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2011-06-30
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-02-22
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08033 / -117.23129				Accuracy:	specific area	
UTM:	Zone-11 N3660216 E478412				Elevation (ft):	250	
PLSS:	T12S, R03W, Sec. 31, SE (S)				Acres:	7.0	
Location:	SOUTH AND EAST OF JUNCTION OF LA COSTA AVENUE AND RANCHO SANTA FE ROAD, NORTHWEST OF RANCHO SANTA FE, CARLSBAD.						
Detailed Location:	MAPPED AS 2 POLYGONS. W POLYGON ~0.15 AIR MI S OF LA COSTA/RANCHO SANTA FE JUNCTION; SITE SINCE EXTIRPATED BY DEVELOPMENT, CORMS TRANSLOCATED. E POLYGON JUST NW OF LA COSTA/CAMINO DE LOS COCHES JUNCTION; SITE MAY SOON BE EXTIRPATED.						
Ecological:	ON OPEN GRASSLAND. ASSOCIATED WITH ACANTHOMINTHA ILICIFOLIA, BRODIAEA ORCUTTII, BROMUS RUBENS, AVENA FATUA, BRASSICA NIGRA, AND DICHELOSTEMMA PULCHELLUM.						
General:	W POLYGON: 1000+ PLANTS IN 1993, 375 IN 1994, AREA SUBSEQUENTLY DEVELOPED AND CORMS TRANSLOCATED TO CARLSBAD HIGHLANDS CONSERVATION BANK. E POLYGON: 215 PLANTS IN 2006, 997 IN 2011, TO BE TRANSLOCATED TO JUST S OF CAMINO DE LOS COCHES.						
Owner/Manager:	PVT						



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Occurrence No.	22	Map Index:	22684	EO Index:	10090	Element Last Seen:	2019-06-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-22
Quad Summary:	Rancho Santa Fe (3311712), San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.12335 / -117.23306				Accuracy:	specific area	
UTM:	Zone-11 N3664986 E478259				Elevation (ft):	325	
PLSS:	T12S, R03W, Sec. 19, NE (S)				Acres:	24.0	
Location:	APPROXIMATELY 0.7 TO 1.2 AIR MILES SSE OF THE JUNCTION OF PALOMAR AIRPORT ROAD AND MELROSE DRIVE, CARLSBAD.						
Detailed Location:	"RANCHO CARRILLO" SITE. MAPPED BY CNDDB AS 4 POLYGONS ACCORDING TO A 1991 AND 1994 MAP AS WELL AS 2019 INATURALIST COORDINATES.						
Ecological:	NEEDLEGRASS GRASSLAND ON ALTAMONT CLAY SOIL. ASSOCIATED WITH NASSELLA PULCHRA, AVENA, BLOOMERIA CROCEA, SISYRINCHIUM BELLUM, HEMIZONIA, AND CHLOROGALUM.						
General:	UNDATED OBSERVATION ESTIMATED 300-24,000 PLANTS. 100+ IN 1991, 758 FLOWERING PLANTS IN 1994, UNKNOWN NUMBER FLOWERING IN 1995. 797,000 ESTIMATED IN 2005 "OVER 8.25 ACRES OF CORM-BEARING HABITAT." 56,222 EST IN 2017, 83,229 IN 2019.						
Owner/Manager:	PVT						

Occurrence No.	23	Map Index:	22683	EO Index:	21807	Element Last Seen:	2019-02-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-02-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17094 / -117.30801				Accuracy:	specific area	
UTM:	Zone-11 N3670280 E471281				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 33, SW (S)				Acres:	10.0	
Location:	NE SIDE OF CARLSBAD VILLAGE DRIVE, BETWEEN VICTORIA AVENE AND PONTIAC DRIVE, CARLSBAD.						
Detailed Location:	"VILLAGE H" PARCEL. PART OF CALAVERA HILLS AND ROBERTSON RANCH HABITAT CONSERVATION AREA. MAPPED BY CNDDB AS 3 POLYGONS ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGEMENT SHAPEFILE, 2008 MCCONNELL MAP, AND 2010 MCCONNELL COORDINATES.						
Ecological:	GROWING ON DIABLO CLAY/CARLSBAD GRAVELLY LOAMY SAND IN A MIXED GRASSLAND HABITAT. ASSOCIATES INCLUDE AVENA FATUA, NASSELLA PULCHRA, BRASSICA NIGRA, FOENICULUM VULGARE, BLOOMERIA CROCEA, BROMUS RUBENS, CYNARA SP, AND SISYRINCHIUM BELLUM.						
General:	~300 PLANTS IN AN ESTIMATED 1700 SQ M IN 1991. ~2040 VEGETATIVE PLANTS IN 1995. OBSERVED ACROSS SITE IN 2000. <50 IN 2005. 2243+ PLANTS IN 2008. 641 IN 2010. 155 IN SAMPLE PLOT IN 2017 (100S MORE IN ENTIRE AREA), 1211 IN 2019.						
Owner/Manager:	CNLM						



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Occurrence No.	32	Map Index:	22079	EO Index:	8215	Element Last Seen:	1992-05-27
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1992-05-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-03-11
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06673 / -117.24361			Accuracy:	specific area		
UTM:	Zone-11 N3658711 E477260			Elevation (ft):	130		
PLSS:	T13S, R04W (S)			Acres:	8.3		
Location:	NORTH OF OLIVENHAIN, 0.2 KM E OF RANCHO SANTA FE ROAD, SOUTHEAST OF INTERSECTION OF RANCHO SANTA FE ROAD AND OLIVENHAIN.						
Detailed Location:							
Ecological:	GROWING IN ANNUAL GRASSLAND HABITAT ALONG THE LOWER HILLSIDES TO THE NORTH AND SOUTH OF ENCINITAS CREEK.						
General:	43 PLANTS SEEN IN 1992. SITE IS SURROUNDED BY RESIDENTIAL DEVELOPMENT AND SOME OPEN SPACE. BASED ON 2009 AERIAL IMAGERY, THIS SITE APPEARS TO HAVE BEEN EXTIRPATED BY DEVELOPMENT.						
Owner/Manager:	PVT						

Occurrence No.	33	Map Index:	22078	EO Index:	8214	Element Last Seen:	2019-02-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-02-07
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2021-02-23
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10985 / -117.25924			Accuracy:	specific area		
UTM:	Zone-11 N3663495 E475812			Elevation (ft):	200		
PLSS:	T12S, R04W, Sec. 24, SW (S)			Acres:	23.0		
Location:	RANCHO LA COSTA HABITAT CONSERVATION AREA; BETWEEN POINSETTIA LANE AND ALGA ROAD, CARLSBAD.						
Detailed Location:	MAPPED BY CNDDB AS 12 POLYGONS IN SECTIONS 23, 24, 25 AND 26.						
Ecological:	GROWING ON ALTAMONT CLAY SOILS IN ANNUAL GRASSLAND HABITAT WITH SMALL POCKETS OF NATIVE GRASSLAND. ASSOCIATES INCLUDE AVENA SP., NASSELLA PULCHRA, BLOOMERIA CROCEA, AND SISYRINCHIUM BELLUM.						
General:	POP #S FOR PARTS OF EO: ~900 IN 2003, 1066 IN 2007, 1000S IN 2016 & 2017, 10,000-100,000S IN 2019. PARTIAL SURVEY OF EO 33 & 34: 7000 FLOWERING IN 1992, ~3000 IN 2005, 14,373 VEGETATIVE IN 2007; 29,589 VEG IN 2008, ~8300 FLWR IN 2009.						
Owner/Manager:	CNLM						



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Occurrence No.	34	Map Index:	22077	EO Index:	8213	Element Last Seen:	2009-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2009-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-19
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11884 / -117.26161				Accuracy:	specific area	
UTM:	Zone-11 N3664492 E475593				Elevation (ft):	200	
PLSS:	T12S, R04W, Sec. 23, NE (S)				Acres:	6.0	
Location:	RANCHO LA COSTA HABITAT CONSERVATION AREA, BETWEEN POINSETTIA LANE AND TOWN GARDEN ROAD, E OF EL CAMINO REAL, CARLSBAD.						
Detailed Location:	MAPPED AS 4 POLYGONS IN THE EAST HALF OF THE NE 1/4 OF SECTION 23 AND THE WEST 1/4 OF THE NW 1/4 OF SECTION 24.						
Ecological:	GROWING ON ALTAMONT CLAY SOILS IN ANNUAL GRASSLAND HABITAT WITH SMALL POCKETS OF NATIVE GRASSLAND. ASSOCIATES INCLUDE AVENA SP., NASSELLA PULCHRA, BLOOMERIA CROCEA, AND SISYRINCHIUM BELLUM.						
General:	7000 FLOWERING IN 1992 (INCLUDING OCC 33). 405 PLANTS IN 3 COLONIES IN 2003 (300 IN N, 100 IN W & 5 IN SE POLY). PARTIAL SURVEY OF OCC 33 & 34: ~3000 IN 2005, 14,373 VEGETATIVE IN 2007, 29,589 VEGETATIVE IN 2008, ~8300 FLOWERING IN 2009.						
Owner/Manager:	CNLM						

Occurrence No.	35	Map Index:	20082	EO Index:	7731	Element Last Seen:	1991-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2009-02-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-03-17
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13847 / -117.18457				Accuracy:	specific area	
UTM:	Zone-11 N3666653 E482785				Elevation (ft):	550	
PLSS:	T12S, R03W (S)				Acres:	9.7	
Location:	SOUTHWEST OF THE INTERSECTION OF SOUTH BENT AVENUE AND GRAND AVENUE, SAN MARCOS.						
Detailed Location:	WITHIN HOGAN PARCEL 219-33. MAPPED AT BEAUCHAMP POOLS L 11-13. AS OF 2009, THIS AREA HAS BEEN PRESERVED AND FENCED; SOME HABITAT REPAIR OCCURRED IN 2003.						
Ecological:	GROWING IN VERNAL POOLS IN ASSOCIATION WITH ACANTHOMINTHA ILICIFOLIA (ALONG EDGE), BRODIAEA ORCUTTII, B. JOLONENSIS, NAVARRETIA FOSSALIS, DOWNINGIA CUSPIDATA, ERYNGIUM ARISTULATUM VAR. PARISHII, JUNCUS, & RUMEX. NATIVE BUNCHGRASS SURROUNDS.						
General:	SPECIES NOT SEEN BY BEAUCHAMP IN 1979 AREA VERNAL POOL REPORT. SEEN IN 1991; HOGAN RECOMMENDS THAT SITE BE GIVEN HIGHEST PRIORITY FOR PROTECTION IN THE SAN MARCOS AREA. SITE VISITED IN 2009 TO ASSESS THREATS/DAMAGE TO SITE.						
Owner/Manager:	PVT						



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Occurrence No.	36	Map Index:	30138	EO Index:	22900	Element Last Seen:	2003-12-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2003-12-XX
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2013-12-13
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14452 / -117.19036				Accuracy:	specific area	
UTM:	Zone-11 N3667324 E482246				Elevation (ft):	550	
PLSS:	T12S, R03W (S)				Acres:	9.7	
Location:	ABOUT 0.5 MILE EAST OF RANCHO SANTA FE ROAD ALONG EITHER SIDE OF HIGHWAY 78, SAN MARCOS.						
Detailed Location:	TWO SUBPOPULATIONS; ONE IS NE OF INTERSECTION OF PACIFIC ST AND GRAND AVE, THE OTHER IS NE OF THE INTERSECTION OF LOS POSAS RD AND LOS VALLECITOS BLVD. MAJORITY OF CORMS TRANSPLANTED TO RANCHO SANTALINA MITIGATION SITE (EO #11).						
Ecological:	VACANT LOTS WITH VERNAL POOLS. ASSOCIATED WITH RUMEX CRISPUS, LYTHRUM HYSSOPIFOLIUM IN THE POOLS. SURROUNDING GRASSLAND WITH BROMUS MOLLIS, BROMUS RUBENS, NASSELLA PULCHRA, AVENA, BLOOMERIA CROCEA, AND BRASSICA.						
General:	250 PLANTS IN GRAND AVE VERNAL POOL, 5 IN THE LAS POSAS ROAD POOL IN 1993. COMMERCIAL DEVELOPMENT SURROUNDS BOTH POOLS. 378 PLANTS OBSERVED IN 2001 IN SR 78 ROW; IN 2003, 323 WERE REMOVED/TRANSLATED, ONLY 55 PLANTS REMAIN.						
Owner/Manager:	PVT						

Occurrence No.	41	Map Index:	31791	EO Index:	1558	Element Last Seen:	2005-05-25
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-17
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.23091 / -117.26783				Accuracy:	specific area	
UTM:	Zone-11 N3676918 E475045				Elevation (ft):	250	
PLSS:	T11S, R04W, Sec. 11, SE (S)				Acres:	13.0	
Location:	WEST SIDE OF DARWIN DRIVE, 0.4 TO 0.7 MILE SOUTH OF THE INTERSECTION WITH N SANTA FE AVE, OCEANSIDE.						
Detailed Location:	INCLUDES THE DARWIN GLEN PROPERTY (NORTHERN POLYGON), DARWIN KNOLLS PROPERTY (MIDDLE POLYGON), AND THE TAYLOR PROPERTY (SOUTHERN POLYGON). MAPPED BY CNDDDB AS 3 POLYGONS TO INCLUDE A 2004 HELIX MAP AND A 2005 ROBERTS MAP.						
Ecological:	GENTLE NW-FACING SLOPE ON HEAVY CLAY SOIL IN NON-NATIVE GRASSLAND. ASSOCIATED WITH ERODIUM SP, SISYRINCHIUM BELLUM, DICHELOSTEMMA PULCHELLUM, FOENICULUM VULGARE, CYNARA CARDUNCULUS, CHLOROGALUM PARVIFLORUM, AND BLOOMERIA CROCEA.						
General:	SOUTHERN POLYGON: 5-10 PLANTS IN 1987, 1268 IN 2001. NORTHERN AND MIDDLE POLYGONS HAD 3000+ IN 2001, 1000+ IN 2003 & 2004. IN 2005, 1933 PLANTS ESTIMATED IN NORTHERN POLYGON AND 4175+ PLANTS IN MIDDLE POLYGON.						
Owner/Manager:	PVT						



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Occurrence No.	42	Map Index:	91091	EO Index:	92125	Element Last Seen:	1994-06-17
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1994-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-31
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11796 / -117.22503				Accuracy:	80 meters	
UTM:	Zone-11 N3664387 E479006				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 20, NW (S)				Acres:	0.0	
Location:	ALONG RANCHO SANTA FE ROAD NEAR ITS JUNCTION WITH VIA ALLONDRA, WEST OF LAKE SAN MARCOS.						
Detailed Location:	NORTH SIDE OF RANCHO SANTA FE ROAD. IN THE SW 1/4 OF THE NW 1/4 OF SECTION 20.						
Ecological:	RELICT PATCH OF NATIVE GRASSLAND SOUTH OF SEASONAL DRAINAGE. ASSOCIATED SPECIES INCLUDE SISYRINCHIUM BELLUM, AVENA, HEMIZONIA, AND CHLOROGALUM.						
General:	APPROXIMATELY 5 PLANTS SEEN IN 1994.						
Owner/Manager:	PVT						

Occurrence No.	51	Map Index:	31914	EO Index:	2131	Element Last Seen:	2005-06-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2005-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35758 / -117.36453				Accuracy:	specific area	
UTM:	Zone-11 N3690989 E466084				Elevation (ft):	550	
PLSS:	T09S, R05W, Sec. 36, NW (S)				Acres:	10.0	
Location:	0.25 TO 0.6 MILE NORTH OF BASILONE ROAD JUNCTION WITH ROBLAR ROAD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	ON THE WEST SIDE OF ROBLAR ROAD. MAPPED BY CNDDDB AS 4 POLYGONS. SOUTHERN POLYGON IS BASED ON A 1995 BRAMLET MAP. THE THREE NORTHERN POLYGONS ARE BASED ON CAMP PENDLETON DIGITAL DATA.						
Ecological:	IN LAS FLORES LOAMY FINE SAND. ASSOCIATES INCLUDE LOLIUM MULTIFLORUM, AVENA FATUA, CENTAUREA MELITENSIS, ERODIUM BOTRYS, BRASSICA NIGRIS, ANAGALLIS ARVENSIS, MEDICAGO POLYMORPHA, LUPINUS SUCCULENTUS, AND SONCHUS OLERACEUS.						
General:	SOUTHERN POLYGON: 7 PLANTS SEEN IN 1995 BY BRAMLET. THREE NORTHERN POLYGONS: 4 PLANTS OBSERVED IN 2001, 144 PLANTS OBSERVED IN 2005.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	53	Map Index:	36688	EO Index:	31689	Element Last Seen:	2004-12-14
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2004-12-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-11-26
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22443 / -117.30896			Accuracy:	80 meters		
UTM:	Zone-11 N3676210 E471211			Elevation (ft):	300		
PLSS:	T11S, R04W, Sec. 16, NW (S)			Acres:	0.0		
Location:	EAST OF MISSION GATE DRIVE, 0.5 ROAD MILE SOUTH OF MISSION AVE, OCEANSIDE.						
Detailed Location:	DUE EAST FROM THE INTERSECTION OF MISSION GATE DRIVE AND CORTE SAN LUIS.						
Ecological:	GENTLE EAST-FACING SLOPE ON CLAY SOIL IN NON-NATIVE GRASSLAND CLEARING SURROUNDED BY COASTAL SAGE SCRUB. ASSOCIATED WITH NON-NATIVE GRASSES, CENTAUREA MELITENSIS, CYNARA CARDUNCULUS, AND BRASSICA NIGRA.						
General:	AT LEAST 75 PLANTS OBSERVED IN 1995. 1310 OBSERVED IN 2004. PLANTS ARE IN AN AREA SET ASIDE AS OPEN SPACE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	54	Map Index:	36901	EO Index:	31898	Element Last Seen:	1997-04-02
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2005-01-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06426 / -117.21947			Accuracy:	80 meters		
UTM:	Zone-11 N3658432 E479513			Elevation (ft):	200		
PLSS:	T13S, R03W, Sec. 08, NW (S)			Acres:	0.0		
Location:	NW OF OLIVENHAIN; SW OF INTERSECTION OF LONE JACK ROAD AND DOUBLE LL RANCH ROAD. 2.1 MILE NW OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	"CALLE TRES VISTAS" SITE.						
Ecological:	NORTH-FACING SLOPE IN OPEN, MOSTLY NON-NATIVE GRASSLAND HABITAT. WITH AVENA, BRASSICA GENICULATA, BRASSICA NIGRA, BROMUS DIANDRUS, NASSELLA PULCHRA. ADOLPHIA CALIFORNICA AND HARPAGONELLA PALMERI NEARBY.						
General:	AT LEAST 10,000 PLANTS IN 1997; ONE OF THE LARGEST REMAINING POPULATIONS IN ENCINITAS, PLANTS WILL PROBABLY BE PUT IN OPEN SPACE EASEMENT. SITE VISITED IN 2005, ENTIRE SLOPE PLANTED WITH CITRUS AND OCCURRENCE NOW EXTIRPATED.						
Owner/Manager:	PVT						



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Occurrence No.	66	Map Index:	53781	EO Index:	53781	Element Last Seen:	2019-05-21
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-05-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-28
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01306 / -117.15295				Accuracy:	specific area	
UTM:	Zone-11 N3652746 E485713				Elevation (ft):	400	
PLSS:	T13S, R03W, Sec. 26, SE (S)				Acres:	3.0	
Location:	WEST SIDE OF ARTESIAN TRAIL, 1.1 AIR MILES EAST OF LUSARDI CREEK CONFLUENCE WITH SAN DIEGUITO RIVER, NORTHERN SAN DIEGO.						
Detailed Location:	MAPPED BY CNDDB AS 3 POLYGONS IN THE NE 1/4 OF THE SE 1/4 OF SECTION 26 BASED ON A 2005 TIERRA ENVIRONMENTAL SERVICES MAP.						
Ecological:	IN NON-NATIVE GRASSLAND WHERE BRASSICA NIGRA AND CYNARA CARDUNCULUS ARE THE DOMINANT SPECIES. ADOLPHIA CALIFORNICA ALSO OCCURS AT THIS SITE.						
General:	696 INDIVIDUALS OBSERVED IN 2003. UNKNOWN NUMBER OBSERVED IN 2005 & 2019.						
Owner/Manager:	PVT						

Occurrence No.	70	Map Index:	60903	EO Index:	60939	Element Last Seen:	2019-05-21
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-05-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-29
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.02051 / -117.15534				Accuracy:	specific area	
UTM:	Zone-11 N3653571 E485492				Elevation (ft):	445	
PLSS:	T13S, R03W, Sec. 26, NE (S)				Acres:	7.0	
Location:	1.2 AIR MILES ENE OF THE CONFLUENCE OF THE SAN DIEGUITO RIVER AND LUSARDI CREEK.						
Detailed Location:	OCCURRENCE IS ALMOST EXCLUSIVELY WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 26. MAPPED ACCORDING TO A 2004 SCHEIDT MAP AND 2019 COORDINATES FROM INATURALIST						
Ecological:	OPEN NON-NATIVE GRASSLAND. ASSOCIATED WITH BRACHYPODIUM DISTACHYON, CYNARA CARDUNCULUS, AVENA BARBATA, AND STIPA PULCHRA. THE RARE ADOLPHIA CALIFORNICA OCCURS NEARBY IN ADJACENT COASTAL SAGE SCRUB.						
General:	1000 PLANTS OBSERVED IN 2004. UNKNOWN NUMBER OF PLANTS (AT LEAST 19) OBSERVED IN 2019.						
Owner/Manager:	PVT						



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Occurrence No.	71	Map Index:	70459	EO Index:	71349	Element Last Seen:	2005-04-12
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-04-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-12-26
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.22229 / -117.25963				Accuracy:	specific area	
UTM:	Zone-11 N3675960 E475806				Elevation (ft):	400	
PLSS:	T11S, R04W, Sec. 13, NW (S)				Acres:	4.0	
Location:	NORTH OF THE INTERSECTION OF OCEANSIDE BLVD AND MELROSE DRIVE, OCEANSIDE.						
Detailed Location:	SIX POLYGONS MAPPED IN THE AREA BETWEEN EASTVIEW COURT AND THE SW END OF ENCINO DRIVE.						
Ecological:	SITE IS COMPRISED PRIMARILY OF ANNUAL NON-NATIVE GRASSLAND.						
General:	NUMBERS OF PLANTS OBSERVED IN 2005 IN POLYGONS FROM GOING FROM WEST TO EAST: 194, 1, 6, 15, 344, 59.						
Owner/Manager:	UNKNOWN						

Occurrence No.	72	Map Index:	70460	EO Index:	71350	Element Last Seen:	2005-04-16
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2005-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-11-20
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.20953 / -117.33380				Accuracy:	specific area	
UTM:	Zone-11 N3674565 E468891				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 19, NE (S)				Acres:	1.0	
Location:	NEAR INTERSECTION OF MESA DRIVE AND EL CAMINO REAL (S11), OCEANSIDE.						
Detailed Location:	SDG&E EASEMENT, NW CORNER OF THE INTERSECTION OF MESA AND EL CAMINO REAL. ABOUT 180 METERS SOUTH OF THE SDG&E SUBSTATION. MAPPED BY CNDDB AS A SMALL POLYGON BASED ON A 2004 ROBERTS MAP.						
Ecological:	GENTLE EAST-FACING SLOPE ON CLAY SOIL IN MIXED NATIVE AND NON-NATIVE GRASSLAND ON SMALL PARCEL SURROUNDED BY URBAN DEVELOPMENT. ASSOCIATED WITH STIPA PULCHRA, LOLIUM PERENNE, ERODIUM SP, MEDICAGO POLYMORPHA, AND BRASSICA NIGRA.						
General:	75 PLANTS IN 1996 (FWS 5 YR REVIEW). 2811 PLANTS IN MARCH 2004, 307 IN MAY 2004, 800-1000 IN DEC 2004, AND 1542 IN JAN 2005. SITE WITHIN SDG&E HCP, BUT IS NOT RECEIVING ADEQUATE PROTECTION SINCE IT IS REGULARLY MOWED DURING BLOOMING PERIOD.						
Owner/Manager:	PVT-SDGE						



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Occurrence No.	73	Map Index:	70461	EO Index:	71351	Element Last Seen:	2010-02-19
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-02-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-12-26
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19990 / -117.32413				Accuracy:	specific area	
UTM:	Zone-11 N3673495 E469789				Elevation (ft):	150	
PLSS:	T11S, R04W, Sec. 20, SW (S)				Acres:	2.0	
Location:	ABOVE LOMA ALTA CREEK; 0.5 AIR MILE ESE OF THE INTERSECTION OF EL CAMINO REAL (S11) AND OCEANSIDE BLVD. OCEANSIDE.						
Detailed Location:	APN #162-050-37. SOUTH OF RAILROAD TRACKS IN SE 1/4 OF SW 1/4 OF SEC 20. MAPPED ACCORDING TO A 2010 ROBERTS MAP. POPULATION WRAPS AROUND A PATCH OF DISTURBED GROUND, POSSIBLY FROM A SLUMP OR HUMAN RELATED. DIRT RD PASSES THROUGH POPULATION.						
Ecological:	NORTH-FACING SLOPE IN ANNUAL GRASSLAND. ASSOCIATED WITH EUROPEAN GRASSES, DICHELOSTEMMA CAPITATUM, SISYRINCHIUM BELLUM, AND FOENICULUM VULGARE.						
General:	APPROXIMATELY 500 PLANTS OBSERVED IN 2005. 35,000+ PLANTS OBSERVED IN 2010 (~7000 SQ METERS, MOSTLY WITH PATCHY CLUSTERS OF 13 TO 90 INDIVIDUALS).						
Owner/Manager:	PVT						

Occurrence No.	74	Map Index:	70462	EO Index:	71352	Element Last Seen:	2008-05-29
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-05-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28463 / -117.34284				Accuracy:	specific area	
UTM:	Zone-11 N3682895 E468076				Elevation (ft):	214	
PLSS:	T10S, R04W, Sec. 30, NW (S)				Acres:	7.0	
Location:	HEAD OF PUEBLITOS CANYON, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	IN THE NE 1/4 OF THE NW 1/4 OF SECTION 30, ABOUT 150 METERS EAST OF THE ROAD.						
Ecological:	NATIVE GRASSLAND DOMINATED BY AVENA FATUA, FOENICULUM VULGARE, AND NASSELLA LEPIDA. ASSOCIATED WITH BROMUS HORDEACEUS, LOLIUM MULTIFLORUM, AND SISYRINCHIUM BELLUM. CLAY LOAM SOILS. 12 DEGREE SLOPE WITH NNW ASPECT.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1996. OVER 300 PLANTS OBSERVED IN 2005. 2120 PLANTS OBSERVED IN 2008.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	79	Map Index:	71631	EO Index:	72535	Element Last Seen:	2019-10-01
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-10-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17518 / -117.31437				Accuracy:	specific area	
UTM:	Zone-11 N3670752 E470690				Elevation (ft):	140	
PLSS:	T11S, R04W, Sec. 32, E (S)				Acres:	2.0	
Location:	BUENA VISTA LAGOON ECOLOGICAL RESERVE; NNW AND EAST OF THE NORTHERN END OF VANCOUVER STREET, CARLSBAD.						
Detailed Location:	MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO 2008 MCCONNELL COORDINATES AND A 2010 MCCONNELL MAP.						
Ecological:	VERY WEEDY CLAY LENS. 8% WEST-FACING SLOPE. SITE DOMINATED BY AVENA BARBATA, BROMUS MADRITENSIS, LOLIUM MULTIFLORUM, AND BRACHYPODIUM DISTACHYON. BRASSICA NIGRA AND FOENICULUM VULGARE ALSO PRESENT.						
General:	NORTHERN POLYGON: 20 PLANTS OBSERVED IN 2008, 68 VEGETATIVE PLANTS OBSERVED IN 2010. SOUTHERN POLYGON: 3 FLOWERING PLANTS OBSERVED IN 2010, 78 PLANTS IN 2016, 108 IN 2017, 1684 VEG IN MAY 2019 AND 80 FLW IN OCT 2019.						
Owner/Manager:	DFW-BUENA VISTA LAGOON ER						

Occurrence No.	80	Map Index:	71633	EO Index:	72536	Element Last Seen:	2010-XX-XX
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-19
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.15914 / -117.29659				Accuracy:	specific area	
UTM:	Zone-11 N3668969 E472343				Elevation (ft):	140	
PLSS:	T12S, R04W, Sec. 03, SW (S)				Acres:	3.0	
Location:	0.1 AIR MILE SE OF THE NORTHERN END OF GATESHEAD ROAD, CARLSBAD.						
Detailed Location:	"VILLAGE X" PARCEL. MAPPED BY CNDDB ACCORDING TO 2008 COORDINATES AND A 2010 MAP BY MCCONNELL.						
Ecological:	OPEN TO WEEDY CLAY LENS WITH CONVULVULUS SIMULANS, PICRIS ECHIOIDES, LOLIUM MULTIFLORUM, EUPHORBIA SPATHULATA, BROMUS MADRITENSIS, AND BRASSICA NIGRA.						
General:	450 VEGETATIVE PLANTS ESTIMATED IN 1992. 23 TOTAL PLANTS OBSERVED IN 2008, 544 IN 2009, AND 767 SEEN IN 2010.						
Owner/Manager:	CNLM						



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Occurrence No.	83	Map Index:	78327	EO Index:	79227	Element Last Seen:	2009-02-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2009-02-10
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2012-12-04
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.19839 / -117.33213				Accuracy:	specific area	
UTM:	Zone-11 N3673330 E469042				Elevation (ft):	150	
PLSS:	T11S, R04W, Sec. 19, SE (S)				Acres:	1.0	
Location:	NORTH OF ETERNAL HILLS CEMETERY, SOUTH OF THE EL CAMINO REAL SPRINTER STATION ALONG LOMA ALTA CREEK, OCEANSIDE.						
Detailed Location:	0.2 MI S OF THE INTERSECTION OF OCEANSIDE BLVD AND EL CAMINO REAL. AREA SURROUNDING POPULATION SEPARATED BY DRIFT FENCE TO PROTECT IT FROM RESTORATION PROJECT. MAPPED BY CNDDDB ACCORDING TO A 2009 ROBERTS MAP.						
Ecological:	GENTLE TO MODERATELY STEEP N-FACING SLOPE NEAR TOP OF RIDGE ON CLAY SOIL IN DISTURBED NATIVE GRASSLAND. ASSOCIATED WITH DICHELOSTEMMA CAPITATUM, FOENICULUM VULGARE, PICRIS ECHIOIDES, BRASSICA NIGRA, SISYRINCHIUM BELLUM, AND STIPA PULCHRA.						
General:	REPORTED IN THIS AREA IN 2003. A PORTION OF 2003 POPULATION WAS RELOCATED IN 2009 WITH 300 PLANTS SEEN. A LARGER POPULATION WITH THOUSANDS OF PLANTS WAS SEEN IN AREA IN 2003 BUT WAS NOT RELOCATED IN 2009 (MAY HAVE BEEN BURIED BY SLUMP).						
Owner/Manager:	UNKNOWN						

Occurrence No.	84	Map Index:	78328	EO Index:	79244	Element Last Seen:	2017-05-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-14
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2021-02-22
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.0003 / -117.12396				Accuracy:	specific area	
UTM:	Zone-11 N3651327 E488420				Elevation (ft):	425	
PLSS:	T13S, R02W, Sec. 31, NE (S)				Acres:	7.0	
Location:	JUST WEST OF THE WESTERN END OF WINECREEK ROAD, SAN DIEGO.						
Detailed Location:	SITE NAME IS 4-S RANCH SOUTH. MAPPED BY CNDDDB ACCORDING TO 2005 SDG COUNTY DIGITAL DATA (ORIGINAL DATA SUBMITTED BY WAGSCHAL IN 2005), AS WELL AS A 2017 INATURALIST OBSERVATION.						
Ecological:							
General:	THESE PLANTS WERE TRANSPLANTED FROM A NATURAL POPULATION ABOUT 0.6 MI TO THE NORTH (OCCURRENCE #88). NO PLANTS OBSERVED IN 2001 (PIN FLAGS LOCATED BUT NO BRODIAEA). 4 PLANTS OBSERVED BY WAGSCHAL IN 2005. SEEN IN 2017.						
Owner/Manager:	SDG COUNTY?						



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Occurrence No.	88	Map Index:	82040	EO Index:	83021	Element Last Seen:	2000-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2011-03-16
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00858 / -117.12132				Accuracy:	specific area	
UTM:	Zone-11 N3652245 E488667				Elevation (ft):	508	
PLSS:	T13S, R02W, Sec. 30, SE (S)				Acres:	2.0	
Location:	IMMEDIATELY NW OF THE INTERSECTION OF DEER TRAIL DRIVE AND DEER RIDGE ROAD, 4-S RANCH, SAN DIEGO.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 2011 ROBERTS MAP SHOWING WHERE THIS LOCATION USED TO BE.						
Ecological:							
General:	15-25 FLOWERING PLANTS IN 1995, 10 PLANTS OBSERVED IN 2000. SITE GRADED AROUND THE YEAR 2000 AND PLANTS TRANSPLANTED APPROXIMATELY 0.6 MI FURTHER SOUTH TO EO #84.						
Owner/Manager:	PVT						

Occurrence No.	91	Map Index:	87292	EO Index:	88198	Element Last Seen:	2017-11-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-11-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-01-29
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15551 / -117.21251				Accuracy:	specific area	
UTM:	Zone-11 N3668547 E480182				Elevation (ft):	440	
PLSS:	T12S, R03W, Sec. 05, SE (S)				Acres:	7.0	
Location:	JOLI ANN LEICHTAG ELEMENTARY SCHOOL, NW OF INTERSECTION OF OLEANDER AVENUE AND POINSETTIA AVENUE, VISTA.						
Detailed Location:	MAPPED AS A SINGLE POLYGON BY CNDDDB TO REPRESENT THE ORIGINAL LOCATION OF THIS POPULATION. PORTION OF SITE WITHIN DEVELOPMENT FOOTPRINT WAS TRANSPLANTED TO NW END OF SITE. SOME PLANTS TRANSPLANTED HERE FROM OCC #15 IN 2017.						
Ecological:	MOSTLY ON DIABLO CLAY SOIL WITH A SMALL PORTION ON PLACENTIA SANDY LOAM. NON-NATIVE GRASSLAND DOMINATED BY BRACHYPODIUM DISTACHYON, AVENA FATUA, BROMUS HORDEACEUS, B. DIANDRUS, AND CYNARA CARDUNCULUS.						
General:	3800 FLOWERING INDIVIDUALS ESTIMATED IN 2005 BASED ON OBSERVATIONS OF 1840 VEGETATIVE INDIVIDUALS AND 9800 CORMS. 84% OF THIS POPULATION IS PRESERVED ON-SITE AND 16% OF THE POPULATION WAS TRANSPLANTED TO ANOTHER AREA ON-SITE.						
Owner/Manager:	SAN MARCOS UNIFIED SCHOOL DIST						



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Occurrence No.	92	Map Index:	87293	EO Index:	88199	Element Last Seen:	2008-05-23
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2008-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-12-28
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.18444 / -117.30981				Accuracy:	specific area	
UTM:	Zone-11 N3671777 E471118				Elevation (ft):	200	
PLSS:	T11S, R04W, Sec. 28, SW (S)				Acres:	1.0	
Location:	WEST END OF MIRA PACIFIC DRIVE JUST EAST OF RANCHO DEL ORO RD, SW OF MIRACOSTA COLLEGE, OCEANSIDE.						
Detailed Location:	SOME DOCUMENTS REFER TO THIS AS THE "VISTA PACIFIC" SITE. MAPPED BY CNDDDB IN THE SOUTH HALF OF THE SW 1/4 OF SECTION 28.						
Ecological:	MUCH OF THE HABITAT ON THIS PROPERTY IS DOMINATED BY BRACHYPODIUM DISTACHYON WITH SEVERAL PATCHES OF ASPHODELUS FISTULOSUS.						
General:	APPROXIMATELY 20 PLANTS OBSERVED IN 2006. 100 PLANTS OBSERVED IN 2008.						
Owner/Manager:	PVT						

Occurrence No.	93	Map Index:	87294	EO Index:	88202	Element Last Seen:	2016-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2019-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-05
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.17683 / -117.27397				Accuracy:	specific area	
UTM:	Zone-11 N3670924 E474458				Elevation (ft):	250	
PLSS:	T11S, R04W, Sec. 35, NW (S)				Acres:	1.0	
Location:	JUST SW OF THE INTERSECTION OF LAKE BLVD AND EMERALD DRIVE, OCEANSIDE.						
Detailed Location:	NE END OF LAKE CALAVERA MITIGATION BANK. MAPPED BY CNDDDB ACCORDING TO A 2010 SPIEGELBERG MAP AND 2016 SDMMMP DIGITAL DATA.						
Ecological:	NASSELLA PULCHRA ALLIANCE.						
General:	3 FLOWERING INDIVIDUALS OBSERVED IN 2010. A SMALL POPULATION OF VEGETATIVE PLANTS OBSERVED IN EARLY 2016, BUT NO FLOWERING PLANTS FOUND ON 5/5/2016. NONE IN 2019.						
Owner/Manager:	CITY OF CARLSBAD						



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Occurrence No.	94	Map Index:	87296	EO Index:	88217	Element Last Seen:	2019-12-22
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2019-12-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-01
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24326 / -117.34767				Accuracy:	specific area	
UTM:	Zone-11 N3678310 E467612				Elevation (ft):	250	
PLSS:	T11S, R04W, Sec. 6, SW (S)				Acres:	15.0	
Location:	APPROXIMATELY 0.5 AIR MILE WEST OF WHELAN LAKE, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	MAPPED BY CNDDB AS 8 POLYGONS. 6 NORTHERN POLYGONS MAPPED ACCORDING TO CAMP PENDLETON DIGITAL DATA; 2 SOUTHERN POLYGONS MAPPED BASED ON 2019 ROBERTS FIELD SURVEY & 2019 INATURALIST OBSERVATIONS, WITHIN BUENA VISTA AUDOBON PRESERVE.						
Ecological:	UPLAND. GENTLE TO MODERATE WEST-FACING SLOPES IN ANNUAL GRASSLAND WITH HEAVY MUSTARD AND FENNEL COMPONENT. GROWING WITH BROMUS DIANDRUS, FOENICULUM VULGARE, BRASSICA NIGRA, AVENA FATUA, AND RAPISTRUM RUGOSUM.						
General:	6 NORTHERN POLYGONS: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001. 2 SOUTHERN POLYGONS: ABOUT 1700 FLOWERING PLANTS OBSERVED IN MAY 2019, AND ~2,900 VEGETATIVE PLANTS IN DECEMBER 2019.						
Owner/Manager:	DOD-CAMP PENDLETON MCB, PVT						

Occurrence No.	95	Map Index:	87297	EO Index:	88218	Element Last Seen:	2009-05-19
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2009-05-19
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-12-06
Quad Summary:	Pala (3311731)						
County Summary:	San Diego						
Lat/Long:	33.34958 / -117.03666				Accuracy:	80 meters	
UTM:	Zone-11 N3690043 E496588				Elevation (ft):	700	
PLSS:	T09S, R02W, Sec. 36, SE (S)				Acres:	0.0	
Location:	WILDERNESS GARDENS OPEN SPACE PRESERVE, BETWEEN PALA MOUNTAIN AND THE SAN LUIS REY RIVER.						
Detailed Location:	CENTRAL PORTION OF THE PRESERVE IN THE NE 1/4 OF THE SE 1/4 OF SECTION 36.						
Ecological:	NATIVE GRASSLAND AREA.						
General:	25 INDIVIDUALS OBSERVED IN 2009.						
Owner/Manager:	SDG COUNTY						



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Occurrence No.	96	Map Index:	87298	EO Index:	88220	Element Last Seen:	2017-05-11
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2017-05-11
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-01
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.2952 / -117.30607				Accuracy:	specific area	
UTM:	Zone-11 N3684055 E471504				Elevation (ft):	290	
PLSS:	T10S, R04W, Sec. 21 (S)				Acres:	55.0	
Location:	ALONG PILGRIM CREEK AND VANDEGRIFT RD, APPROX 1.6 TO 2.6 AIR MILES WSW OF MORRO HILL, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	BOTH SIDES OF VANDEGRIFT ROAD. MAPPED BY CNDDDB AS SEVERAL POLYGONS ACCORDING TO CAMP PENDLETON DIGITAL DATA AND 2017 REBMAN COORDINATES.						
Ecological:	GRASSLAND WITH AVENA FATUA, BRACHYPODIUM DISTACHYON, FOENICULUM VULGARE, BRASSICA NIGRA, FESTUCA PERENNIS, ETC.						
General:	POPULATION NUMBERS FOR PORTIONS OF OCCURRENCE: 1919 IN 2005, 415 IN 2006, 8730 IN 2009, 160,468 IN 2010, 67,733 IN 2011, 3654 IN 2012, "COMMON WITH 1000S IN AREA" IN 2017.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	97	Map Index:	87299	EO Index:	88222	Element Last Seen:	2020-05-07
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2020-05-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-01
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.28060 / -117.32009				Accuracy:	specific area	
UTM:	Zone-11 N3682441 E470193				Elevation (ft):	300	
PLSS:	T10S, R04W, Sec. 29 (S)				Acres:	37.0	
Location:	BETWEEN WINDMILL CANYON AND PILGRIM CREEK, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	FROM 0.7 AIR MILE WEST TO 1.4 AIR MILES SW OF THE JUNCTION OF PILGRIM CREEK WITH VANDEGRIFT BLVD. MAPPED BY CNDDDB AS 15 POLYGONS BASED ON CAMP PENDLETON DIGITAL DATA.						
Ecological:							
General:	POPULATION NUMBERS ARE FOR PORTIONS OF OCCURRENCE: 550 PLANTS OBSERVED IN 2005, 7 PLANTS OBSERVED IN 2009, 10,473 PLANTS OBSERVED IN 2011, SEEN IN 2020.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	98	Map Index:	87300	EO Index:	88224	Element Last Seen:	2000-06-01
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2000-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.37441 / -117.35636				Accuracy:	specific area	
UTM:	Zone-11 N3692852 E466850				Elevation (ft):	900	
PLSS:	T09S, R05W, Sec. 24, SW (S)				Acres:	1.0	
Location:	NEAR THE HEAD OF ALISO CANYON, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	WEST SIDE OF ROBLAR ROAD. MAPPED BY CNDDDB IN THE SE 1/4 OF THE SW 1/4 OF SECTION 24 ACCORDING TO CAMP PENDLETON DIGITAL DATA.						
Ecological:	UPLAND.						
General:	1 PLANT OBSERVED IN 2000.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	126	Map Index:	91092	EO Index:	92141	Element Last Seen:	1992-03-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1992-03-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.11568 / -117.23631				Accuracy:	specific area	
UTM:	Zone-11 N3664136 E477953				Elevation (ft):	350	
PLSS:	T12S, R03W, Sec. 19, SW (S)				Acres:	1.0	
Location:	APPROXIMATELY 0.28 AIR MILE SSW OF THE JUNCTION OF CARRILLO WAY AND MELROSE DRIVE, RANCHO DE LOS QUIOTES.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC MAP IN THE NE 1/4 OF THE SW 1/4 OF SECTION 19.						
Ecological:	ADOLPHIA CALIFORNICA OCCURS NEARBY.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1991/1992. AREA HAS BEEN DEVELOPED SINCE OBSERVATION MADE; POPULATION POSSIBLY EXTIRPATED.						
Owner/Manager:	PVT						

Occurrence No.	127	Map Index:	91093	EO Index:	92142	Element Last Seen:	2012-06-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-06-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.27930 / -117.34754				Accuracy:	specific area	
UTM:	Zone-11 N3682305 E467636				Elevation (ft):	200	
PLSS:	T10S, R04W, Sec. 30, NW (S)				Acres:	1.0	
Location:	PUEBLITOS CANYON, APPROXIMATELY 1.5 MILES EAST OF VANDEGRIFT BLVD, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	SOUTH SIDE OF PUEBLITOS CANYON, JUST EAST OF POND. IN THE SW 1/4 OF THE NW 1/4 OF SECTION 30.						
Ecological:							
General:	2 PLANTS OBSERVED IN 2011. 35 PLANTS OBSERVED IN 2012.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	128	Map Index:	91094	EO Index:	92143	Element Last Seen:	2009-05-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2009-05-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.29884 / -117.31362				Accuracy:	specific area	
UTM:	Zone-11 N3684461 E470801				Elevation (ft):	350	
PLSS:	T10S, R04W, Sec. 21, NW (S)				Acres:	2.0	
Location:	JUST SOUTH OF THE JUNCTION OF VANDEGRIFT BLVD AND 11TH STREET, WEST OF MORRO HILL, CAMP PENDLETON MARINE CORPS BASE.						
Detailed Location:	WEST SIDE OF VANDEGRIFT BLVD. IN THE NW 1/4 OF THE NW 1/4 OF SECTION 21.						
Ecological:							
General:	15 PLANTS OBSERVED IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	129	Map Index:	91095	EO Index:	92144	Element Last Seen:	2009-04-30
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2009-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.35666 / -117.31678				Accuracy:	specific area	
UTM:	Zone-11 N3690872 E470527				Elevation (ft):	250	
PLSS:	T09S, R04W, Sec. 32, NE (S)				Acres:	1.0	
Location:	ALONG CAMP DE LUZ ROAD, APPROXIMATELY 0.75 ROAD MILE SE OF ITS JUNCTION WITH SANTA MARGARITA ROAD, CAMP PENDLETON MCB.						
Detailed Location:	NW SIDE OF CAMP DE LUZ ROAD. IN THE NE 1/4 OF THE NE 1/4 OF SECTION 32.						
Ecological:	UPLAND.						
General:	1 PLANT OBSERVED IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	130	Map Index:	91096	EO Index:	92146	Element Last Seen:	2009-04-30
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2009-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-12-17
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.36078 / -117.32128				Accuracy:	specific area	
UTM:	Zone-11 N3691330 E470109				Elevation (ft):	200	
PLSS:	T09S, R04W, Sec. 29, SE (S)				Acres:	1.0	
Location:	ALONG CAMP DE LUZ ROAD, APPROXIMATELY 0.1 ROAD MILE SOUTH OF ITS JUNCTION WITH SANTA MARGARITA ROAD, CAMP PENDLETON MCB.						
Detailed Location:	SW SIDE OF CAMP DE LUZ ROAD. IN THE SW 1/4 OF THE SE 1/4 OF SECTION 29.						
Ecological:	GRASSLANDS.						
General:	1 PLANT OBSERVED IN 2009.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	149	Map Index:	A5215	EO Index:	106926	Element Last Seen:	2019-05-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2019-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.16308 / -117.28494				Accuracy:	specific area	
UTM:	Zone-11 N3669402 E473431				Elevation (ft):	135	
PLSS:	T12S, R04W, Sec. 3, NE (S)				Acres:	1.0	
Location:	SOUTH OF CERRO DE LA CALAVERA, ABOUT 0.4 AIR MILE ENE OF THE INTERSECTION OF COLLEGE BLVD AND PLEASANT VALE DR.						
Detailed Location:	MAPPED BY CNDDDB IN THE SW 1/4 OF THE NE 1/4 OF SECTION 3 BASED ON 2016-2019 SDMMMP DATA.						
Ecological:	BROMUS (DIANDRUS/HORDEACEOUS)-BRACHYPODIUM DISTACHYON SEMI-NATURAL STANDS / BRACHYPODIUM DISTACHYON SEMI-NATURAL STAND TYPE.						
General:	44 PLANTS OBSERVED IN 2016, 216 IN 2017, AND 359 IN 2019.						
Owner/Manager:	DFG-CARLSBAD HIGHLANDS ER						

Occurrence No.	154	Map Index:	B2388	EO Index:	114319	Element Last Seen:	2018-05-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-05-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-02
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.24622 / -117.34155				Accuracy:	80 meters	
UTM:	Zone-11 N3678635 E468183				Elevation (ft):	95	
PLSS:	T11S, R04W, Sec. 6, SW (S)				Acres:	5.0	
Location:	CAMP PENDLETON; TRAINING AREA NOVEMBER JUST NORTH OF BASE BOUNDARY AND WHELAN LAKE.						
Detailed Location:	LOWER HILLSIDE JUST BELOW DIRT ROAD. MAPPED BY CNDDDB FROM 2018 REBMAN COORDINATES IN THE NE 1/4 SW 1/4 SECTION 6.						
Ecological:	GRASSLAND VEGETATION WITH FOENICULUM VULGARE, BRASSICA NIGRA, AVENA FATUA, BROMUS DIANDRUS, SALSOLA AUSTRALIS, AND FESTUCA PERENNE.						
General:	20 PLANTS OBSERVED IN 2018.						
Owner/Manager:	DOD-CAMP PENDLETON MCB						



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Occurrence No.	155	Map Index:	B6949	EO Index:	120014	Element Last Seen:	2017-05-14
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-08
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01048 / -117.14655				Accuracy:	80 meters	
UTM:	Zone-11 N3652459 E486312				Elevation (ft):	365	
PLSS:	T13S, R03W, Sec. 25, SW (S)				Acres:	5.0	
Location:	WEST SIDE OF CAMINO DEL SUR, 0.18 MI S OF JUNCTION WITH PASEO DEL SUR, BLACK MOUNTAIN RANCH AREA.						
Detailed Location:	NEAR SMALL PARKING LOT NEAR PUMP STATION AND SMALL STREAM. MAPPED BY CNDDDB BASED ON 2017 NENOW COORDINATES, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 25.						
Ecological:	RIPARIAN.						
General:	SITE BASED ON A 2017 NENOW COLLECTION; UNKNOWN NUMBER OF PLANTS SEEN.						
Owner/Manager:	PVT						

Occurrence No.	156	Map Index:	B6956	EO Index:	120020	Element Last Seen:	2019-05-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2019-05-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-09
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.21529 / -117.3327				Accuracy:	specific area	
UTM:	Zone-11 N3675204 E468996				Elevation (ft):	210	
PLSS:	T11S, R04W, Sec. 18, SE (S)				Acres:	1.0	
Location:	WEST SIDE OF S EL CAMINO REAL, 100 M SOUTH OF VISTA OCEANA AND 0.6 AIR MILE SOUTH OF HWY 76.						
Detailed Location:	VISTA DE LA VALLE SITE. MAPPED BY CNDDDB BASED ON 2019 DATA PROVIDED BY SDMMMP, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 18.						
Ecological:	MEDITERRANEAN CALIFORNIA NATURALIZED ANNUAL AND PERENNIAL GRASSLAND, SEMI-NATURAL STANDS.						
General:	56 PLANTS OBSERVED IN 2019.						
Owner/Manager:	CITY OF OCEANSIDE						

Occurrence No.	157	Map Index:	B6959	EO Index:	120022	Element Last Seen:	2019-05-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2019-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-02-23
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.21022 / -117.34163				Accuracy:	specific area	
UTM:	Zone-11 N3674644 E468162				Elevation (ft):	275	
PLSS:	T11S, R04W, Sec. 19, NW (S)				Acres:	4.0	
Location:	MISSION MOUNTAIN PRESERVE; NORTH SIDE OF MESA DR, 0.5 & 0.7 ROAD MILE WEST OF S EL CAMINO REAL.						
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS BASED ON 2018-2019 DATA PROVIDED BY SDMMMP, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 19.						
Ecological:	MEDITERRANEAN CALIFORNIA NATURALIZED ANNUAL & PERENNIAL GRASSLAND WITH AVENA, BRASSICA SP, ETC.						
General:	ABOUT 1246 PLANTS ESTIMATED IN 2017, 143 PLANTS IN 2019.						
Owner/Manager:	CITY OF OCEANSIDE						



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Occurrence No.	159	Map Index:	B6996	EO Index:	120057	Element Last Seen:	2019-05-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2019-05-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2021-02-16	
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10482 / -117.31704			Accuracy:	specific area		
UTM:	Zone-11 N3662953 E470418			Elevation (ft):	50		
PLSS:	T12S, R04W, Sec. 29, N (S)			Acres:	1.0		
Location:	POINSETTIA LANE VERNAL POOLS; ALONG RAILWAY CORRIDOR 0.4 AIR MILE WNW OF JUNCTION OF POINSETTIA LN AND I-5.						
Detailed Location:	MAPPED BY CNDDB BASED ON 2019 SD MMP DIGITAL DATA AND 2019 INATURALIST OBSERVATION.						
Ecological:	THE RARE BRODIAEA ORCUTTII AND ORCUTTIA CALIFORNICA ALSO OCCUR HERE.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2019.						
Owner/Manager:	PVT						

<i>Brodiaea orcuttii</i>			Element Code: PMLIL0C0B0		
Orcutt's brodiaea					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive			
Habitat:	General:	VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND, CLOSED-CONE CONIFEROUS FOREST, CISMONTANE WOODLAND, CHAPARRAL, MEADOWS AND SEEPS.			
	Micro:	MESIC, CLAY HABITATS; USUALLY IN VERNAL POOLS AND SMALL DRAINAGES. 30-1615 M.			

Occurrence No.	1	Map Index:	03732	EO Index:	29524	Element Last Seen:	2016-05-20
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-05-20	
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:		2017-06-19	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09709 / -117.21170			Accuracy:	specific area		
UTM:	Zone-11 N3662070 E480245			Elevation (ft):	400		
PLSS:	T12S, R03W, Sec. 29, S (S)			Acres:	31.0		
Location:	FROM 0.1 TO 0.9 ROAD MILE SE OF THE JUNCTION OF RANCHO SANTA FE ROAD AND SAN ELIJO ROAD, SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDB AS 9 POLYGONS ON BOTH SIDES OF SAN ELIJO ROAD BASED ON 1991 ERC MAP AND 2008 CNLM DATA. PORTIONS OF THE OCCURRENCE ARE ON THE RANCHO LA COSTA PRESERVE; SE END OF OCCURRENCE CONTAINS TRANSPLANTED POPULATIONS.						
Ecological:	UNDISTURBED GRASSLANDS IN SHALLOW DRAINAGES, SAN MIGUEL ROCKY SILT LOAM/HEAVY CLAY SOIL WITH NASSELLA PULCHRA, SISYRINCHIUM BELLUM, SIDALCEA MALVIFLORA, DICHELOSTEMMA PULCHELLUM, ORTHOCARPUS PURPURASCENS, AND CALOCHORTUS WEEDII.						
General:	PLANTS SEEN IN 1982 (10,000+) & 1990. ONLY EXTANT POP AT SE END: 4,176 CORMS TRANPLANTED HERE IN 2002; 717 FLOWERED IN 2003; 558 NATURAL PLANTS IN 2003; ~814 (NATURAL & TRANSPLANTS) IN 2008; 320 CORMS TRANSPLANTED IN 2009; 339 IN 2016.						
Owner/Manager:	PVT, CNLM						



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Occurrence No.	3	Map Index:	46926	EO Index:	46926	Element Last Seen:	1936-06-09
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1936-06-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-07
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.16921 / -117.21775				Accuracy:	non-specific area	
UTM:	Zone-11 N3670066 E479697				Elevation (ft):		
PLSS:	T11S, R03W, Sec. 32 (S)				Acres:	123.6	
Location:	4 MILES WEST OF SAN MARCOS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS A BEST GUESS ALONG HIGHWAY 78, 4 MILES WEST OF SAN MARCOS.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1936 COLLECTION BY GANDER. OCCURRENCE HAS PROBABLY BEEN EXTIRPATED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	4	Map Index:	71894	EO Index:	21770	Element Last Seen:	198X-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	198X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-07
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14592 / -117.18203				Accuracy:	80 meters	
UTM:	Zone-11 N3667479 E483023				Elevation (ft):	560	
PLSS:	T12S, R03W, Sec. 10 (S)				Acres:	0.0	
Location:	SOUTH OF PALOMAR COLLEGE, ON THE SOUTH SIDE OF WEST MISSION ROAD (COUNTY HIGHWAY S14), SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO A 1983 MAP PROVIDED BY ARMSTRONG.						
Ecological:							
General:	MAPPED BY CNDDDB BASED ON A MAP OF VARIOUS VERNAL POOL SPECIES CREATED IN 1983 BY ARMSTRONG. DATE PLANTS WERE OBSERVED BY ARMSTRONG UNKNOWN, PRESUMABLY IN EARLY 1980S. SITE NOW EXTIRPATED BY DEVELOPMENT. INCLUDES FORMER OCCURRENCE #72.						
Owner/Manager:	CITY OF SAN MARCOS						



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Occurrence No.	68	Map Index:	16727	EO Index:	7727	Element Last Seen:	2012-05-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2012-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2016-08-23
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13911 / -117.197			Accuracy:	specific area		
UTM:	Zone-11 N3666726 E481626			Elevation (ft):	540		
PLSS:	T12S, R03W, Sec. 9, SE (S)			Acres:	34.0		
Location:	BETWEEN SOUTH LAS POSAS ROAD AND SOUTH PACIFIC STREET AND BETWEEN HIGHWAY 78 AND WEST SAN MARCOS BLVD, SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDB AS 5 POLYGONS. NE POLYGON IS NONSPECIFIC, BASED ON WRITTEN DESCRIPTION BY JOHNSTON (2001). SOME CORMS REMOVED AND TRANSPLANTED TO EO #98 & #168 IN 2004 (BETZLER 2004), AND TO EO #1 IN 2009 (VINJE 2010).						
Ecological:	ON LAS FLORES PLACENTIA SOILS IN GRASSLAND WITH NAVARRETIA FOSSALIS. B. FILIFOLIA, ACANTHOMINTHA ILICIFOLIA, B. JOLONESIS, AND ERYNGIUM ARISTULATUM PARISHII. IN 2009, SITE HAS BEEN HEAVILY DISTURBED BY OFFROADING AND PROPERTY IS DEGRADING.						
General:	SEEN IN 2 MIDDLE POLYGONS IN 1979 & 2012. COMMON IN 1986. SEEN IN N AND S POLYGONS IN 1993. 1,011 PLANTS IN NE POLYGON IN 2001. SEEN IN S POLYGON IN 2003. SITE VISITED OUT OF SEASON IN 2009 TO ASSESS STATUS. INCLUDES FORMER OCC #2 & 110.						
Owner/Manager:	PVT						

Occurrence No.	73	Map Index:	03779	EO Index:	7737	Element Last Seen:	1983-04-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1983-04-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1993-06-04
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.14997 / -117.19044			Accuracy:	80 meters		
UTM:	Zone-11 N3667929 E482240			Elevation (ft):	560		
PLSS:	T12S, R03W, Sec. 10 (S)			Acres:	0.0		
Location:	SAN MARCOS, 0.3 MILE WEST OF PALOMAR COLLEGE, JUST NORTH OF MISSION ROAD.						
Detailed Location:							
Ecological:							
General:	NOT IN BLOOM WHEN SEEN IN 1983. PROBABLY B. ORCUTTII ACCORDING TO ARMSTRONG.						
Owner/Manager:	PVT						



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Occurrence No.	78	Map Index:	03808	EO Index:	21734	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-11
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13204 / -117.17924				Accuracy:	1/5 mile	
UTM:	Zone-11 N3665939 E483281				Elevation (ft):	520	
PLSS:	T12S, R03W, Sec. 15 (S)				Acres:	0.0	
Location:	SAN MARCOS, APPROXIMATELY 1800 FEET SOUTH OF DISCOVERY STREET, JUST WEST OF INTERSECTION WITH GRAND AVE.						
Detailed Location:							
Ecological:	IN A SWALE.						
General:	APPROXIMATELY 45 PLANTS OBSERVED (DATE UNKNOWN). INFORMATION CITED BY WESTEC IS FROM PACIFIC SOUTHWEST BIOLOGICAL SERVICES, 1978. AREA MAY BE DESIGNATED AS OPEN SPACE.						
Owner/Manager:	CITY OF SAN MARCOS						

Occurrence No.	80	Map Index:	15992	EO Index:	21733	Element Last Seen:	1985-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1985-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05535 / -117.19118				Accuracy:	non-specific area	
UTM:	Zone-11 N3657439 E482151				Elevation (ft):	100	
PLSS:	T13S, R03W, Sec. 09, SE (S)				Acres:	251.9	
Location:	ESCONDIDO CREEK FLOODPLAIN, NORTH OF SAN DIEGUITO RESERVOIR.						
Detailed Location:							
Ecological:							
General:	FEWER THAN 10 PLANTS SEEN IN 1985.						
Owner/Manager:	PVT						



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Occurrence No.	81	Map Index:	04306	EO Index:	21735	Element Last Seen:	2012-06-05
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-20
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.1815 / -117.02399				Accuracy:	80 meters	
UTM:	Zone-11 N3671408 E497763				Elevation (ft):	1022	
PLSS:	T11S, R01W, Sec. 30, S (S)				Acres:	5.0	
Location:	SOUTH OF BEAR RIDGE; TRIBUTARY TO ESCONDIDO CREEK ALONG VALLEY CENTER ROAD, CA 2.4 KM N OF JUNCTION WOHLFORD CANYON RD.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO 2012 SCHEIDT COORDINATES, NEAR THE CENTER OF THE BORDER BETWEEN THE SOUTH 1/2 OF SECTION 30 AND THE NORTH 1/2 OF SECTION 31.						
Ecological:	SUNNY, EAST-FACING SLOPE ON CLAY. NATIVE GRASSLAND OPENINGS IN CHAPARRAL.						
General:	SEEN BY HIGGINS IN VALLEY CENTER GRADE (DATE UNKNOWN, SOMETIME PRIOR TO 1985). UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998, 2003, AND 2012.						
Owner/Manager:	CITY OF ESCONDIDO						

Occurrence No.	82	Map Index:	03671	EO Index:	29563	Element Last Seen:	2011-04-25
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2011-04-25
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08249 / -117.23252				Accuracy:	specific area	
UTM:	Zone-11 N3660456 E478298				Elevation (ft):	300	
PLSS:	T12S, R03W, Sec. 31, SE (S)				Acres:	2.0	
Location:	1/4 MILE EAST OF THE INTERSECTION OF LA COSTA AVENUE AND SOUTH RANCHO SANTA FE ROAD, CARLSBAD.						
Detailed Location:	LA COSTA TOWN SQUARE PROJECT SITE. SITE IS MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 31. COLONIES ARE REPORTED TO OCCUR INTO THE SE 1/4 OF THE SW 1/4 OF SECTION 31, BUT CNDDB DOES NOT HAVE MAP DETAIL FOR THESE SITES.						
Ecological:	ON OPEN GRASSLAND ASSOCIATED WITH ACANTHOMINTHA ILICIFOLIA, BRODIAEA FILIFOLIA (BOTH RARE), BRASSICA NIGRA, AND AVENA FATUA. HUERHUERO LOAM WITH A CLAY LENS OVERLAYING THE AREA.						
General:	100 PLANTS OBSERVED IN 1986. NONE SEEN IN 1994 SURVEY FOR BRODIAEA FILIFOLIA. 151 PLANTS OBSERVED IN 2006. 46 PLANTS OBSERVED IN 2011. POPULATION MAY BE TRANSLOCATED TO ANOTHER SITE.						
Owner/Manager:	PVT						



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Occurrence No.	98	Map Index:	20082	EO Index:	7729	Element Last Seen:	2013-05-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-20
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.13847 / -117.18457				Accuracy:	specific area	
UTM:	Zone-11 N3666653 E482785				Elevation (ft):	550	
PLSS:	T12S, R03W (S)				Acres:	9.7	
Location:	SOUTHWEST OF THE INTERSECTION OF SOUTH BENT AVENUE AND GRAND AVENUE, SAN MARCOS.						
Detailed Location:	FISH AND GAME POOL COMPLEXES L11, L12, AND L13. IN 2009, SITE WAS VISITED TO ASSESS THREATS BUT IT WAS OUT OF BLOOMING SEASON. AREA CURRENTLY PRESERVED AS PART OF MITIGATION AND HAS HAD REPAIR SINCE 2003.						
Ecological:	GROWING IN VERNAL POOLS IN ASSOCIATION WITH ACANTHOMINTHA ILICIFOLIA, BRODIAEA FILIFOLIA, B. JOLONENSIS, DOWNINGIA CUSPIDATA, NAVARRETIA FOSSALIS, RUMEX, JUNCUS, AND NATIVE BUNCHGRASSES.						
General:	NO PLANTS NOTED IN 1979 STUDY. UNKNOWN NUMBER IN 1986 & 1993. 323 CORMS RELOCATED HERE FROM EO #68 IN 2004; SOME CORMS EATEN BY SQUIRRELS. UNKNOWN NUMBER OF PLANTS SEEN IN 2013.						
Owner/Manager:	PVT						

Occurrence No.	107	Map Index:	28315	EO Index:	29561	Element Last Seen:	1990-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10728 / -117.22506				Accuracy:	specific area	
UTM:	Zone-11 N3663202 E479000				Elevation (ft):	380	
PLSS:	T12S, R03W, Sec. 29, NW (S)				Acres:	1.0	
Location:	ALONG THE EAST SIDE OF SOUTH RANCHO SANTA FE ROAD JUST NORTH OF MELROSE DRIVE, SAN MARCOS.						
Detailed Location:	MAPPED JUST NORTH OF BUILDING COMPLEX ON LA COSTA MEADOWS DRIVE. SITE IS WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 29.						
Ecological:	GROWING IN NATIVE GRASSLAND WITH NASSELLA PULCHRA, SISYRINCHIUM BELLUM, SIDALCEA MALVIFLORA, DICHELOSTEMMA PULCHELLUM, ORTHOCARPUS PURPURASCENS, AND CALOCHORTUS WEEDII.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1991 ERC TECHNICAL REPORT MAP. BASED ON 2010 AERIAL IMAGERY OF THIS AREA, SITE HAS BEEN EXTIRPATED BY DEVELOPMENT.						
Owner/Manager:	PVT						



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Occurrence No.	108	Map Index:	28316	EO Index:	29562	Element Last Seen:	1990-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10692 / -117.21889				Accuracy:	specific area	
UTM:	Zone-11 N3663162 E479576				Elevation (ft):	480	
PLSS:	T12S, R03W, Sec. 29, NW (S)				Acres:	1.0	
Location:	ABOUT 0.4 MILE EAST OF SOUTH RANCHO SANTA FE ROAD JUST NORTH OF MELROSE DRIVE, SAN MARCOS.						
Detailed Location:	IN THE NE 1/4 OF THE NW 1/4 OF SECTION 29.						
Ecological:	GROWING IN NATIVE GRASSLAND WITH NASSELLA PULCHRA, SISYRINCHIUM BELLUM, SIDALCEA MALVIFLORA, DICHELOSTEMMA PULCHELLUM, ORTHOCARPUS PURPURASCENS, AND CALOCHORTUS WEEDII.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1991 ERC TECHNICAL REPORT MAP.						
Owner/Manager:	PVT						

Occurrence No.	109	Map Index:	28317	EO Index:	29564	Element Last Seen:	199X-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	199X-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-10
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07459 / -117.24948				Accuracy:	80 meters	
UTM:	Zone-11 N3659584 E476714				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 01, NW (S)				Acres:	0.0	
Location:	SITIO CAUCHO, OFF AVENIDA PIMENTERA, CARLSBAD.						
Detailed Location:	PLANTS FOUND GROWING NEAR WHAT IS NOW THE CENTER OF THE ROADWAY.						
Ecological:	PLANTS FOUND GROWING IN MEADOW.						
General:	ABOUT 20 PLANTS OBSERVED IN THE 1990S. OCCURRENCE IS EXTIRPATED.						
Owner/Manager:	PVT						



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Occurrence No.	120	Map Index:	46922	EO Index:	46922	Element Last Seen:	2017-05-10
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2018-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-21
Quad Summary:	Valley Center (3311721)						
County Summary:	San Diego						
Lat/Long:	33.18173 / -117.03646			Accuracy:	specific area		
UTM:	Zone-11 N3671434 E496601			Elevation (ft):	1650		
PLSS:	T11S, R02W, Sec. 25, SE (S)			Acres:	11.0		
Location:	DALEY RANCH PRESERVE, 2.5 AIR MILES SOUTH OF VALLEY CENTER, WEST OF VALLEY CENTER GRADE, NORTHEAST ESCONDIDO.						
Detailed Location:	2 COLONIES: NORTH COLONY IS IN POCKET MEADOW ON THE DIRT ROAD NORTH OF THE MAIN MEADOW, NEARLY TO THE FENCE LINE. SOUTHERN COLONY IS IN LARGE MEADOW AT NORTH END OF EASTERNMOST PORTION OF THE RANCH.						
Ecological:	NORTH COLONY IS A POCKET GRASSLAND WITH OSMADENIA TENELLA, ERODIUM, HEMIZONIA FASCICULATA, BROMUS, AND NASSELLA, SURROUNDED BY DENSE MIXED CHAPARRAL. SOUTH COLONY IS A NON-NATIVE GRASSLAND WITH ERODIUM, AMBROSIA PSILOSTACHYA, AND BROMUS.						
General:	SOUTHERN POLYGON: 2000 PLANTS ESTIMATED IN 2001. NORTHERN POLYGON: 137 PLANTS IN 2001, 67 PLANTS IN 2016, 438 PLANTS IN 2017, NO PLANTS FOUND IN 2018 (DRY YEAR).						
Owner/Manager:	USFS-CLEVELAND NF						

Occurrence No.	123	Map Index:	47071	EO Index:	47071	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-01-14
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09554 / -117.18285			Accuracy:	specific area		
UTM:	Zone-11 N3661894 E482936			Elevation (ft):	900		
PLSS:	T12S, R03W, Sec. 27, SW (S)			Acres:	0.8		
Location:	APPROXIMATELY 1.3 AIR MILES SSE OF CERRO DE LAS POSAS ALONG QUESTHAVEN ROAD.						
Detailed Location:	SMALL COLONY MAPPED FROM SITE PROVIDED (FROM GNATCATCHER SURVEY) ALONG THE ROAD IN THE SOUTHERNMOST PORTION OF THE SE 1/4 OF THE SW 1/4 OF SECTION 27.						
Ecological:	IN MESIC GRASSLANDS. VERY LARGE POPULATION CONSISTING OF AT LEAST SEVERAL THOUSAND CORMS PER REISER.						
General:	ORIGINAL INFORMATION FOR THIS SITE IS FROM REISER'S 2001 "RARE PLANTS OF SAN DIEGO COUNTY" AS "WEST OF THE ENTRANCE TO THE SAN MARCOS LANDFILL". UNKNOWN WHEN SEEN. UNKNOWN NUMBER OF PLANTS CITED IN 2000 HELIX REPORT.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	124	Map Index:	53929	EO Index:	53929	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05859 / -117.17747				Accuracy:	specific area	
UTM:	Zone-11 N3657796 E483432				Elevation (ft):	385	
PLSS:	T13S, R03W, Sec. 10, NE (S)				Acres:	1.0	
Location:	JUST SOUTH OF ESCONDIDO CREEK, 1.7 AIR MILE NORTHEAST FROM SAN DIEGUITO RESERVOIR DAM.						
Detailed Location:	SMALL COLONY MAPPED FROM SITE PROVIDED (FROM GNATCATCHER SURVEY) NEAR THE CENTER OF SECTION 10 (FAR SW 1/4 NE 1/4 SECTION 10).						
Ecological:	DIEGAN COASTAL SAGE SCRUB. MUILLA CLEVELANDII AND SELAGINELLA CINERASCENS OCCUR NEARBY.						
General:	UNKNOWN NUMBER OF PLANTS SEEN IN SURVEY CITED IN 2002 HELIX REPORT; DATE OF OBSERVATION UNKNOWN.						
Owner/Manager:	PVT						
Occurrence No.	134	Map Index:	71928	EO Index:	72802	Element Last Seen:	1997-06-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1997-06-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-08-12
Quad Summary:	Pala (3311731), Pechanga (3311741)						
County Summary:	San Diego						
Lat/Long:	33.37943 / -117.02432				Accuracy:	non-specific area	
UTM:	Zone-11 N3693353 E497737				Elevation (ft):	1700	
PLSS:	T09S, R01W, Sec. 19 (S)				Acres:	594.0	
Location:	EAST OF THE SUMMIT OF HERIOT MOUNTAIN, BETWEEN CASTRO AND MARION CANYONS, PALA INDIAN RESERVATION.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB ACCORDING TO T-R-S PROVIDED BY BANKS: T9S, R1W, SECTION 19.						
Ecological:	OPEN GRASSLANDS WITH NASSELLA PULCHRA, N. LEPIDA, BOTHRIOCHLOA BARBINODIS, DODECATHEON CLEVELANDII, AVENA FATUA, ERIOGONUM FASCICULATUM, OPUNTIA SP, ETC. GABBROIC SUBSTRATE WITH COBBLY CLAY SOIL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1997 COLLECTION BY BANKS. NEEDS FIELDWORK.						
Owner/Manager:	BIA-PALA RES						



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Occurrence No.	147	Map Index:	89429	EO Index:	90412	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-19
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03122 / -117.13429				Accuracy:	specific area	
UTM:	Zone-11 N3654756 E487459				Elevation (ft):	400	
PLSS:	T13S, R02W, Sec. 19, NW (S)				Acres:	1.0	
Location:	APPROXIMATELY 1 AIR MILE SSW OF LAKE HODGES DAM, SOUTH OF THE SAN DIEGUITO RIVER, NORTH OF SAN DIEGO.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2008 CITY OF SAN DIEGO DIGITAL DATA. IN THE SW 1/4 OF THE NW 1/4 OF SECTION 19. MSP TABLE OF OCCURRENCES LISTS A "SANTA FE VALLEY (BERNARDOLAKE)" SITE; ATTRIBUTED THAT INFO TO THIS OCCURRENCE.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION IS MAP DETAIL FROM CITY OF SAN DIEGO; BRODIAEA REPORTEDLY OBSERVED IN 2001. MORE INFORMATION IS NEEDED REGARDING THIS SITE. NO PLANTS IN 2007 AT "BERNARDO LAKE" OCCURRENCE; POSSIBLY REFERENCING THIS SITE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	148	Map Index:	89434	EO Index:	90416	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-19
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05620 / -117.14625				Accuracy:	specific area	
UTM:	Zone-11 N3657527 E486345				Elevation (ft):	1150	
PLSS:	T13S, R03W, Sec. 12, SW (S)				Acres:	1.0	
Location:	APPROXIMATELY 1.3 AIR MILES NW OF LAKE HODGES DAM, BETWEEN VIA RANCHO CIELO AND EL BRAZO, ESCONDIDO.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2008 CITY OF SAN DIEGO DIGITAL DATA. IN THE NE 1/4 OF THE SW 1/4 OF SECTION 12.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM THE CITY OF SAN DIEGO; BRODIAEA REPORTEDLY OBSERVED IN 2001. MORE INFORMATION IS NEEDED REGARDING THIS OCCURRENCE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	149	Map Index:	89435	EO Index:	90419	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06721 / -117.15411				Accuracy:	specific area	
UTM:	Zone-11 N3658749 E485614				Elevation (ft):	700	
PLSS:	T13S, R03W, Sec. 02, SE (S)				Acres:	1.0	
Location:	APPROXIMATELY 1.9 AND 2.1 AIR MILES NW OF LAKE HODGES DAM, 0.2 MILE WEST OF VIA AMBIENTE, ESCONDIDO.						
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS ACCORDING TO 2008 CITY OF SAN DIEGO DIGITAL DATA. IN THE SE 1/4 OF THE SE 1/4 OF SECTION 2 AND IN THE SW 1/4 OF THE SW 1/4 OF SECTION 1 (NEAR THE SECTION 12 LINE).						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM THE CITY OF SAN DIEGO; BRODIAEA REPORTEDLY OBSERVED IN 2001. MORE INFORMATION IS NEEDED REGARDING THIS OCCURRENCE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	150	Map Index:	89436	EO Index:	90420	Element Last Seen:	2001-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.06452 / -117.16268				Accuracy:	specific area	
UTM:	Zone-11 N3658452 E484813				Elevation (ft):	700	
PLSS:	T13S, R03W, Sec. 11, NW (S)				Acres:	1.0	
Location:	APPROXIMATELY 2.4 AIR MILES WNW OF LAKE HODGES DAM, JUST EAST OF ESCONDIDO CREEK, ESCONDIDO.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2008 CITY OF SAN DIEGO DIGITAL DATA. IN THE NE 1/4 OF THE NW 1/4 OF SECTION 11.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM THE CITY OF SAN DIEGO; BRODIAEA REPORTEDLY OBSERVED IN 2001. MORE INFORMATION IS NEEDED REGARDING THIS OCCURRENCE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	151	Map Index:	89438	EO Index:	90421	Element Last Seen:	2016-05-23
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2016-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07531 / -117.17637				Accuracy:	specific area	
UTM:	Zone-11 N3659650 E483538				Elevation (ft):	580	
PLSS:	T13S, R03W, Sec. 3, NE (S)				Acres:	10.0	
Location:	BETWEEN FORTUNA DEL ESTE AND ELFIN FOREST LANE, SOUTH OF ELFIN FOREST ROAD, ESCONDIDO.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2011 & 2016 SCHEIDT COORDINATES, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 3.						
Ecological:	WITHIN A SMALL PATCH OF NATIVE GRASSLAND DOMINATED BY SISYRINCHIUM BELLUM, STIPA PULCHRA, SIDALCEA MALVAEFLORA, AND OTHER NATIVE FORBS AND GRASSES. NON-NATIVE SPECIES INCLUDE AVENA BARBATA, BROMUS DIANDRUS, CARDUUS TENUIFLORUS, ETC.						
General:	W POLYGON: 1 SHAPE (~20 CORMS) OBSERVED IN 201; SCHEIDT MENTIONS THAT "MANY OTHERS ARE LOCATED TO THE NORTHWEST IN A LARGER PATCH OF NATIVE GRASSLAND" BUT NO SPECIFIC LOCALITY GIVEN. E POLYGON: 1 SHAPE (10+ CORMS) IN 2016.						
Owner/Manager:	PVT						

Occurrence No.	152	Map Index:	89439	EO Index:	90423	Element Last Seen:	2018-04-30
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2018-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07079 / -117.18702				Accuracy:	specific area	
UTM:	Zone-11 N3659151 E482543				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 3, SW (S)				Acres:	7.0	
Location:	JUST NORTH OF THE JUNCTION OF CANYON DE ORO AND PAINT MOUNTAIN ROAD, ESCONDIDO.						
Detailed Location:	ELFIN FOREST PORTION OF RANCHO LA COSTA HABITAT CONSERVATION AREA. MAPPED ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA AND SDMMMP DIGITAL DATA.						
Ecological:	RHUS INTEGRIFOLIA ASSOCIATION AND ARTEMISIA CALIFORNICA-SALVIA MELLIFERA ASSOCIATION.						
General:	APPROXIMATELY 200 PLANTS OBSERVED IN 2003, 451 PLANTS IN 2008, 56 PLANTS IN 2016, 500 PLANTS IN 2017, 8 PLANTS IN 2018.						
Owner/Manager:	CNLM, SDG COUNTY						



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Occurrence No.	153	Map Index:	89441	EO Index:	90425	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08348 / -117.21288				Accuracy:	specific area	
UTM:	Zone-11 N3660561 E480131				Elevation (ft):	750	
PLSS:	T12S, R03W, Sec. 32, SE (S)				Acres:	4.0	
Location:	FROM 0.5 AIR MILE NW TO 0.7 AIR MILE NORTH OF THE NORTH END OF CANTLE LANE, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDDB AS 3 POLYGONS ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA.						
Ecological:							
General:	IN 2003, 20 INDIVIDUALS WERE OBSERVED IN THE NE-MOST POLYGON, 50 IN MIDDLE POLYGON, AND 25 INDIVIDUALS WERE SEEN IN SW-MOST POLYGON.						
Owner/Manager:	CNLM						

Occurrence No.	154	Map Index:	89443	EO Index:	90427	Element Last Seen:	2010-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09253 / -117.23101				Accuracy:	80 meters	
UTM:	Zone-11 N3661569 E478442				Elevation (ft):	500	
PLSS:	T12S, R03W, Sec. 31, NE (S)				Acres:	0.0	
Location:	APPROXIMATELY 0.7 AIR MILE SSW OF JUNCTION OF RANCHO SANTA FE ROAD & SAN ELIJO ROAD, RANCHO LA COSTA PRESERVE, CARLSBAD.						
Detailed Location:	NEAR THE "RIDGELINE EAST TRAIL." IN THE NW 1/4 OF THE NE 1/4 OF SECTION 31.						
Ecological:							
General:	3 FLOWERING INDIVIDUALS OBSERVED IN 2010.						
Owner/Manager:	CNLM						

Occurrence No.	155	Map Index:	89462	EO Index:	90445	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2013-06-17
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.10577 / -117.20865				Accuracy:	specific area	
UTM:	Zone-11 N3663033 E480531				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 29, NE (S)				Acres:	1.0	
Location:	APPROXIMATELY 0.23 AIR MILE SOUTH OF LAKE SAN MARCOS DAM, WEST OF STARGAZE COURT, RANCHO LA COSTA PRESERVE, SAN MARCOS.						
Detailed Location:	SITE MAPPED ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGMENT DIGITAL DATA. IN THE EAST 1/4 OF THE NE 1/4 OF SECTION 29.						
Ecological:							
General:	200 INDIVIDUALS OBSERVED IN 2003.						
Owner/Manager:	CNLM						



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Occurrence No.	160	Map Index:	89467	EO Index:	90450	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-21
Quad Summary:	Rancho Santa Fe (3311712), Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.03161 / -117.24726				Accuracy:	specific area	
UTM:	Zone-11 N3654819 E476910				Elevation (ft):	200	
PLSS:	T13S, R04W, Sec. 24, N (S)				Acres:	2.0	
Location:	MANCHESTER MITIGATION BANK, BETWEEN EL CAMINO REAL AND MANCHESTER AVENUE, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA.						
Ecological:							
General:	IN 2003, 100 INDIVIDUALS WERE OBSERVED IN THE SE POLYGON AND 10 INDIVIDUALS WERE OBSERVED IN THE NW POLYGON. PLANTS MAY HAVE BEEN HYBRIDS. NO PLANTS WERE OBSERVED IN 2006-2008 & 2011 SURVEYS.						
Owner/Manager:	CNLM						

Occurrence No.	168	Map Index:	A1555	EO Index:	103144	Element Last Seen:	2004-01-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2004-01-XX
Occ. Type:	Transplant Outside of Native Hab./Range			Trend:	Unknown	Record Last Updated:	2016-09-06
Quad Summary:	San Marcos (3311722)						
County Summary:	San Diego						
Lat/Long:	33.15546 / -117.19603				Accuracy:	non-specific area	
UTM:	Zone-11 N3668538 E481720				Elevation (ft):	600	
PLSS:	T12S, R03W, Sec. 4, SE (S)				Acres:	13.0	
Location:	NORTH OF INTERSECTION OF N RANCHO SANTA FE RD AND W MISSION RD, AND EAST OF TRAIN TRACKS, SAN MARCOS.						
Detailed Location:	EXACT LOCATION UNKNOWN. WITHIN RANCHO SANTALINA PRESERVE FOR BRODIAEA FILIFOLIA. MAPPED AROUND ENTIRE CONSERVATION AREA BY CNDDDB.						
Ecological:	WITH BRODIAEA FILIFOLIA.						
General:	AN ESTIMATED 458 CORMS PLANTED AT THIS SITE IN 2004, RELOCATED FROM PORTION OF OCCURRENCE #68 WITHIN LAS POSAS RD/HWY 78 INTERCHANGE PROJECT SITE.						
Owner/Manager:	PVT						



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Occurrence No.	175	Map Index:	A1792	EO Index:	103076	Element Last Seen:	2019-01-31
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2019-01-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-11-21
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.03809 / -117.15311				Accuracy:	specific area	
UTM:	Zone-11 N3655520 E485703				Elevation (ft):	275	
PLSS:	T13S, R03W, Sec. 14, SE (S)				Acres:	4.0	
Location:	CROSBY OPEN SPACE PRESERVE; ABOUT 1.5 AIR MILES WSW OF LAKE HODGES DAM, SOUTH OF SAN DIEGUITO RIVER.						
Detailed Location:	MAPPED BY CNDDDB IN THE SE 1/4 OF THE SE 1/4 OF SECTION 14 BASED ON 2016 BRUNO COORDINATES.						
Ecological:	RESTORED VERNAL POOLS WITHIN DIEGAN COASTAL SAGE SCRUB REVEGETATION AREA. ASSOCIATED WITH ERYNGIUM ARISTULATUM VAR. PARISHII, POGOGYNE ABRAMSII, NAVARRETIA FOSSALIS, ETC.						
General:	OBSERVED IN 7 POOLS ON-SITE IN 2004. UNKNOWN NUMBER OF PLANTS PRESUMABLY OBSERVED IN 2011. 2753 PLANTS OBSERVED IN 2016. 15 PLANTS ESTIMATED IN 2019.						
Owner/Manager:	PVT						

Occurrence No.	176	Map Index:	A1496	EO Index:	103078	Element Last Seen:	1999-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1999-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-16
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.11283 / -117.27188				Accuracy:	80 meters	
UTM:	Zone-11 N3663828 E474634				Elevation (ft):	325	
PLSS:	T12S, R04W, Sec. 23, W (S)				Acres:	5.0	
Location:	ALONG EL CAMINO REAL ABOUT 1.25 ROAD MILES SOUTH OF PALOMAR AIRPORT RD, NORTH OF BATIQUITOS LAGOON.						
Detailed Location:	MAPPED BY CNDDDB BASED ON A 1999 DUDEK MAP AS SHOWN IN A 2006 REPORT.						
Ecological:	VERNAL POOL WITHIN DISTURBED COASTAL SAGE SCRUB WEST OF ROAD.						
General:	UNKNOWN NUMBER SEEN IN 1999. VERNAL POOL WAS IMPACTED BY DEVELOPMENT; UNKNOWN WHETHER PLANTS WERE SALVAGED AND RELOCATED TO PRESERVE EAST OF ROAD, OR EXTIRPATED.						
Owner/Manager:	PVT						



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Occurrence No.	177	Map Index:	A1463	EO Index:	103045	Element Last Seen:	2015-05-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-06
Quad Summary:	Morro Hill (3311733)						
County Summary:	San Diego						
Lat/Long:	33.30842 / -117.3207				Accuracy:	80 meters	
UTM:	Zone-11 N3685525 E470146				Elevation (ft):	480	
PLSS:	T10S, R04W, Sec. 17, NE (S)				Acres:	5.0	
Location:	ABOUT 0.3 AIR MILE SOUTH OF RATTLESNAKE CANYON RD AND 0.1 AIR MILE NORTH OF 13TH ST, WEST OF A ST, CAMP PENDLETON.						
Detailed Location:	MAPPED BY CNDDDB BASED ON 2015 RIEFNER COORDINATES, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 17.						
Ecological:	COASTAL SAGE SCRUB-NATIVE GRASSLAND ECOTONE ON WEST-FACING HILLSIDE. ASSOCIATED WITH ARTEMISIA CALIFORNICA, SALVIA APIANA, GALIUM ANGUSTIFOLIA, RHUS INTEGRIFOLIA, MALOSMA, OPUNTIA LITTORALIS, STIPA PULCHRA, SISYRINCHIUM BELLUM, ETC.						
General:	21 FLOWERING STEMS OBSERVED IN 2015. SITE QUALITY GIVEN AS "MODERATE--HIGH."						
Owner/Manager:	DOD-CAMP PENDLETON MCB						

Occurrence No.	182	Map Index:	A5034	EO Index:	106734	Element Last Seen:	2007-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2007-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.01767 / -117.17157				Accuracy:	1/10 mile	
UTM:	Zone-11 N3653258 E483976				Elevation (ft):	300	
PLSS:	T13S, R03W, Sec. 27, NE (S)				Acres:	18.0	
Location:	SOUTH OF THE CURVE AT THE WEST END OF ARTESIAN ROAD, JUST NORTH OF THE MOUTH OF LUSARDI CREEK, RANCHO SANTA FE.						
Detailed Location:	MAPPED ACCORDING TO LOCATION DESCRIPTION AROUND THE NE PORTION OF THE PROPERTY.						
Ecological:	GRADUAL, SE-FACING SLOPE NEAR THE HEAD OF THE CANYON.						
General:	1 PLANT FOUND IN 2007. ID NEEDS CONFIRMATION; REPORTER NOTES THAT "FLOWERS EXHIBIT THE LACK OF STAMINOIDEA CHARACTERISTIC OF B. ORCUTTII BUT THAT OTHER ASPECTS OF THE MALE FLOWER PARTS APPEAR TO BE ATYPICAL."						
Owner/Manager:	PVT						



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Occurrence No.	183	Map Index:	A5035	EO Index:	106735	Element Last Seen:	2012-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-06-13
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07306 / -117.22528				Accuracy:	80 meters	
UTM:	Zone-11 N3659409 E478973				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 6, E (S)				Acres:	5.0	
Location:	ENCINITAS CREEK; SMALL CANYON JUST ABOVE THE PARKING LOT OF LA COSTA CANYON HIGH SCHOOL, LA COSTA.						
Detailed Location:	ABOUT 225 YARDS SW OF THE WEST END OF DUSTY TRAIL. MAPPED ACCORDING TO 2012 LAGRANGE COORDINATES.						
Ecological:	SAN ANTONIO PEAK VOLCANICS, CLAY SOIL, NORTH SLOPE. SAGE SCRUB GRASSY OPENINGS WITH SALVIA MELLIFERA, MALOSMA LAURINA, ERIOGONUM FASCICULATUM, SISYRINCHIUM BELLUM, AND VULPIA MYUROS.						
General:	SITE BASED ON A 2012 LAGRANGE COLLECTION. NEED POPULATION INFORMATION FOR THIS SITE.						
Owner/Manager:	UNKNOWN						

Occurrence No.	187	Map Index:	B4451	EO Index:	117379	Element Last Seen:	2017-05-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-05-25
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2019-12-17
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.1048 / -117.31699				Accuracy:	specific area	
UTM:	Zone-11 N3662950 E470423				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 29, N (S)				Acres:	1.0	
Location:	POINSETTIA LANE VERNAL POOLS, APPROXIMATELY 0.3 AIR MILE WNW OF THE INTERSECTION OF POINSETTIA LN AND I-5.						
Detailed Location:	MAPPED ACCORDING TO SDMMMP DIGITAL DATA.						
Ecological:	DEINANDRA FASCICULATA ALLIANCE. ERAR VERY DENSE, COULD BE OUTCOMPETING OTHER VERNAL POOL SPECIES OR BRODIAEA ORCUTTII. COASTAL SAGE SCRUB RESTORATION OCCURRING ADJACENT TO VERNAL POOL HABITAT.						
General:	SEEN IN THIS VICINITY SOMETIME PRIOR TO 2017. 3 PLANTS OBSERVED IN 2017; POPULATION SIGNIFICANTLY REDUCED FROM PREVIOUS POPULATION ESTIMATES. NO PLANTS FOUND IN 2018 (DRY YEAR).						
Owner/Manager:	WATERS END HOA						

<i>Bloomeria clevelandii</i>			Element Code: PMLIL1H010		
San Diego goldenstar					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2G3
	State:	None		State:	S3
	Other:	Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_UCBG-UC Botanical Garden at Berkeley			
Habitat:	General:	CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.			
	Micro:	MESA GRASSLANDS, SCRUB EDGES; CLAY SOILS. OFTEN ON MOUNDS BETWEEN VERNAL POOLS IN FINE, SANDY LOAM. 60-465 M.			



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Occurrence No.	28	Map Index:	92791	EO Index:	55192	Element Last Seen:	1940-04-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1940-04-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.04123 / -117.20556				Accuracy:	1 mile	
UTM:	Zone-11 N3655877 E480806				Elevation (ft):		
PLSS:	T13S, R03W, Sec. 17 (S)				Acres:	0.0	
Location:	0.5 MILE WEST OF SAN DIEGUITO RESERVOIR, RANCHO SANTE FE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS CENTERED ABOUT 0.5 AIR MILE WEST OF THE WEST END OF SAN DIEGUITO RESERVOIR.						
Ecological:	OLD FIELD.						
General:	SITE BASED ON A CITATION BY REISER "0.5 MILE WEST OF SAN DIEGUITO RESERVOIR." A 1940 GANDER COLLECTION FROM "RANCHO SANTA FE" IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	47	Map Index:	04071	EO Index:	8537	Element Last Seen:	2001-XX-XX
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	2001-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-20
Quad Summary:	Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.01764 / -117.11719				Accuracy:	specific area	
UTM:	Zone-11 N3653249 E489054				Elevation (ft):	550	
PLSS:	T13S, R02W, Sec. 29, NW (S)				Acres:	20.0	
Location:	SE OF THE JUNCTION OF BLACK MOUNTAIN ROAD AND ARTESIAN ROAD, NEAR 4-S RANCH.						
Detailed Location:	MAPPED BY CNDDDB AS 4 POLYGONS IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 29 AND THE EAST 1/2 OF THE NE 1/4 OF SECTION 30.						
Ecological:	GROWING WITH FEROCACTUS VIRIDESCENS IN COASTAL SAGE SCRUB/NATIVE GRASSLAND/ANNUAL GRASSLAND MOSAIC.						
General:	1991 SURVEY ESTIMATED POPULATION TO EXCEED 10,000 PLANTS. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001 BASED ON ATTRIBUTE INFORMATION IN 2008 CITY OF SAN DIEGO DIGITAL DATA.						
Owner/Manager:	PVT						



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Occurrence No.	53	Map Index:	21358	EO Index:	8552	Element Last Seen:	2021-04-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2021-04-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-11-16
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.0942 / -117.23078				Accuracy:	specific area	
UTM:	Zone-11 N3661753 E478464				Elevation (ft):	475	
PLSS:	T12S, R03W, Sec. 31, NE (S)				Acres:	13.0	
Location:	RANCHO LA COSTA PRESERVE; APPROXIMATELY 0.7 AIR MILE SSW OF THE JUNCTION OF RANCHO SANTA FE ROAD AND SAN ELIJO ROAD.						
Detailed Location:	MAPPED BY CNDDB AS 4 POLYGONS IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 31 BASED ON A 1992 SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC MAP, 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA, SDMMMP DIGITAL DATA, AND INATURALIST COORDINATES.						
Ecological:	GROWING ALONG BLUFFS IN DEPRESSIONS IN CLAY SOILS AND IN A STIPA DOMINATED SWALE. IN DIEGAN COASTAL SAGE SCRUB, SOUTHERN MIXED CHAPARRAL, AND DISTURBED AREAS. OCCURS NEAR POPULATIONS OF ADOLPHIA CALIFORNICA AND SELAGINELLA CINERASCENS.						
General:	POPULATION NUMBERS FOR PORTIONS OF SITE: ~800 PLANTS SEEN AROUND 1990, 1725 PLANTS SEEN IN 2003, 1321 PLANTS IN 2009, 8 PLANTS IN 2018 (VERY DRY YEAR, PLANTS LOCATED IN ONLY ONE LOCATION), SEEN IN 2020 AND 2021.						
Owner/Manager:	CNLM-RANCHO LA COSTA PRESERVE						

Occurrence No.	54	Map Index:	21359	EO Index:	8549	Element Last Seen:	2021-05-02
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2021-05-02
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-10-07
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.08308 / -117.22487				Accuracy:	specific area	
UTM:	Zone-11 N3660520 E479014				Elevation (ft):	400	
PLSS:	T12S, R03W, Sec. 32, SW (S)				Acres:	20.0	
Location:	SE OF RANCHO SANTA FE ROAD, ON BOTH SIDES OF UNNAMED INTERMITTENT STREAM COURSE, 2.2 AIR MI SW OF LAKE SAN MARCOS DAM.						
Detailed Location:	MAPPED BY CNDDB AS 7 POLYGONS ACCORDING TO A 1992 SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC MAP AND INATURALIST COORDINATES. IN THE SOUTH 1/2 OF THE SE 1/4 OF SECTION 31 AND THE SW 1/4 OF SECTION 32.						
Ecological:	IN SOUTH TRENDING DRAINAGE WITHIN STIPA-DOMINATED GRASSLAND ON PEBBLY CLAY SOILS. ALSO ON STEEP SLOPES WITH HEAVY CLAY SOIL IN A SWALE. ADOLPHIA CALIFORNICA, JUNCUS ACUTUS, AND BRODIAEA ORCUTTII OCCUR NEARBY.						
General:	4 WESTERNMOST POLYGONS: 1250+ PLANTS OBSERVED AROUND 1990, MOSTLY EXTIRPATED BASED ON 2012 AERIAL IMAGERY. 3 EASTERNMOST POLYGONS: SEEN IN 2019, 2020, AND 2021.						
Owner/Manager:	PVT, CNLM-RANCHO LA COSTA PRES						



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Occurrence No.	63	Map Index:	55222	EO Index:	55222	Element Last Seen:	2002-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-04-20
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.05818 / -117.17139				Accuracy:	specific area	
UTM:	Zone-11 N3657750 E483999				Elevation (ft):	600	
PLSS:	T13S, R03W, Sec. 10, E (S)				Acres:	16.3	
Location:	SOUTH OF ESCONDIDO CREEK, NORTH OF QUARRY LOCATED APPROXIMATELY 1.6 AIR MILES NORTHEAST OF SAN DIEGUITO RESERVOIR.						
Detailed Location:	23 COLONIES MAPPED AS FOUR POLYGONS BY CNDDDB. LOCATED IN THE CENTER OF THE EASTERN HALF OF SECTION 10.						
Ecological:	MULLA CLEVELANDII LOCATED IN DIEGAN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA & RHUS INTEGRIFOLIA.						
General:	UNKNOWN NUMBER OF PLANTS LOCATED IN 2002.						
Owner/Manager:	UNKNOWN						

Occurrence No.	123	Map Index:	92847	EO Index:	93985	Element Last Seen:	2005-04-23
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-04-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-24
Quad Summary:	Poway (3211781), Escondido (3311711)						
County Summary:	San Diego						
Lat/Long:	33.00038 / -117.12318				Accuracy:	specific area	
UTM:	Zone-11 N3651336 E488492				Elevation (ft):	450	
PLSS:	T13S, R02W, Sec. 31, NE (S)				Acres:	6.0	
Location:	4S RANCH SOUTH; JUST SW OF HEDY BM, LA JOLLA VALLEY.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2005 SAN DIEGO COUNTY DIGITAL DATA AND A 2002 MAP IN THE SW 1/4 OF THE NE 1/4 OF SECTION 31.						
Ecological:	SAN MIGUEL-EXCHEQUER ROCKY SILT LOAM.						
General:	SEVERAL THOUSAND PLANTS OBSERVED IN 2001. 65+ INDIVIDUALS OBSERVED IN 2005.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	124	Map Index:	92848	EO Index:	93987	Element Last Seen:	2018-04-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2018-04-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2021-10-15
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07089 / -117.18732				Accuracy:	specific area	
UTM:	Zone-11 N3659161 E482515				Elevation (ft):	500	
PLSS:	T13S, R03W, Sec. 4, SE (S)				Acres:	4.0	
Location:	JUST NW OF THE JUNCTION OF CANYON DE ORO AND SUERTE DEL ESTE, NORTH OF ESCONDIDO CREEK.						
Detailed Location:	MAPPED ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA AND SDMMMP DIGITAL DATA, ON THE BORDER BETWEEN THE NE 1/4 OF THE SE 1/4 OF SECTION 4 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 3.						
Ecological:	ASSOCIATED WITH RHUS INTEGRIFOLIA, ARTEMISIA CALIFORNICA, AND SALVIA MELLIFERA. BRODIAEA ORCUTTII ALSO OCCURS AT THIS SITE.						
General:	1000 PLANTS OBSERVED IN 2003. 16 PLANTS OBSERVED IN 2016. 72 PLANTS OBSERVED IN 2018; POPULATION EXTENDS ONTO ADJACENT PRIVATE PROPERTY, THERE ARE AN ESTIMATED 100 ADDITIONAL PLANTS ON THE PRIVATE PROPERTY.						
Owner/Manager:	SDG COUNTY, PVT						

Occurrence No.	125	Map Index:	92849	EO Index:	93988	Element Last Seen:	1965-05-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1965-05-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-24
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.09647 / -117.20155				Accuracy:	non-specific area	
UTM:	Zone-11 N3662000 E481192				Elevation (ft):	560	
PLSS:	T12S, R03W, Sec. 28, SW (S)				Acres:	38.0	
Location:	ALONG THE WEST SIDE OF QUESTHAVEN RD, ABOUT 1.5 MILES EAST OF CORNER OF RANCHO SANTA FE RD & QUESTHAVEN RD, SAN MARCOS.						
Detailed Location:	MAPPED BY CNDDB AS BEST GUESS ALONG THE PORTION OF QUESTHAVEN ROAD THAT MATCHES LOCATION DESCRIPTION AND ELEVATION.						
Ecological:	COASTAL SAGE SCRUB COMMUNITY IN DAMP, CLAY-LIKE SOIL.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1965 REPA COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	126	Map Index:	92850	EO Index:	93989	Element Last Seen:	2000-XX-XX
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-06-24
Quad Summary:	San Luis Rey (3311723)						
County Summary:	San Diego						
Lat/Long:	33.13630 / -117.25594				Accuracy:	specific area	
UTM:	Zone-11 N3666426 E476127				Elevation (ft):	300	
PLSS:	T12S, R04W, Sec. 13, NW (S)				Acres:	1.0	
Location:	CARLSBAD OAKS NORTH; APPROXIMATELY 0.78 AIR MILE NE OF THE JUNCTION OF PALOMAR AIRPORT ROAD AND EL CAMINO REAL.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO 2008 CENTER FOR NATURAL LANDS MANAGEMENT DIGITAL DATA IN THE NE 1/4 OF THE NW 1/4 OF SECTION 13.						
Ecological:							
General:	1 INDIVIDUAL OBSERVED IN 2000.						
Owner/Manager:	CNLM						

Occurrence No.	134	Map Index:	A5035	EO Index:	108840	Element Last Seen:	2012-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2012-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2017-11-01
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07306 / -117.22528				Accuracy:	80 meters	
UTM:	Zone-11 N3659409 E478973				Elevation (ft):	250	
PLSS:	T13S, R03W, Sec. 6, E (S)				Acres:	5.0	
Location:	LA COSTA, SMALL CANYON JUST ABOVE PARKING LOT OF LA COSTA CANYON HIGH SCHOOL, ABOUT 225 YARDS SW OF W END DUSTY TRAIL.						
Detailed Location:	MAPPED ACCORDING TO COORDINATES ON COLLECTION LABEL.						
Ecological:	SAN ANTONIO PEAK VOLCANICS, CLAY SOIL, NORTH SLOPE. SAGE SCRUB GRASSY OPENINGS. SALVIA MELLIFERA, MALOSMA LAURINA, ERIOGONUM FASCICULATUM, SISYRINCHIUM BELLUM, AND VULPIA MYUROS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2012 LAGRANGE COLLECTION.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	146	Map Index:	B7878	EO Index:	120954	Element Last Seen:	2005-10-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-10-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2021-10-25	
Quad Summary:	Rancho Santa Fe (3311712)						
County Summary:	San Diego						
Lat/Long:	33.07626 / -117.20356			Accuracy:	2/5 mile		
UTM:	Zone-11 N3659759 E481001			Elevation (ft):	600		
PLSS:	T13S, R03W, Sec. 4 (S)			Acres:	280.0		
Location:	APPROXIMATELY 2 AIR MILES SOUTHEAST OF THE INTERSECTION OF RANCHO SANTA FE RD AND SAN ELIJO RD, ENCINITAS.						
Detailed Location:	MAPPED BY CNDDDB IN THE GENERAL VICINITY OF TWO 2005 OBSERVATIONS FROM INATURALIST.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS SEEN IN TWO LOCATIONS IN 2005.						
Owner/Manager:	UNKNOWN						

<i>Orcuttia californica</i>			Element Code: PMPOA4G010		
California Orcutt grass					
Listing Status:	Federal:	Endangered	CNDDDB Element Ranks:	Global:	G1
	State:	Endangered		State:	S1
	Other:	Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank			
Habitat:	General:	VERNAL POOLS.			
	Micro:	10-660 M.			

Occurrence No.	34	Map Index:	99110	EO Index:	47239	Element Last Seen:	2005-04-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2005-04-01
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-05
Quad Summary:	Encinitas (3311713)						
County Summary:	San Diego						
Lat/Long:	33.10364 / -117.3165				Accuracy:	specific area	
UTM:	Zone-11 N3662821 E470468				Elevation (ft):	50	
PLSS:	T12S, R04W, Sec. 29, E (S)				Acres:	4.0	
Location:	POINSETTIA LANE COMMUTER STATION VERNAL POOLS; ALONG AT&SF RR RIGHT-OF-WAY EAST OF SOUTH CARLSBAD STATE BEACH, CARLSBAD.						
Detailed Location:	LARGE POOL AT SOUTHERN END OF COMPLEX JUST NORTH OF POINSETTIA LANE OVERPASS. MAPPED AROUND WHAT APPEARS TO BE THE LARGE NORTH-SOUTH RUNNING VERNAL POOL REFERENCED BY SNAPP-COOK IN 2005 (VISIBLE ON AERIAL IMAGERY).						
Ecological:	IN VERNAL POOLS. GRAY CLAY SOILS.						
General:	REPORTED IN VERNAL POOLS NEXT TO NEWLY CONSTRUCTED CARLSBAD POINSETTIA TRAIN STATION ACCORDING TO REISER (2001). UNKNOWN NUMBER OF PLANTS OBSERVED DURING 2005 RIVERSIDE FAIRY SHRIMP SURVEY.						
Owner/Manager:	PVT						



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Sphenopholis interrupta ssp. californica

Element Code: PMPOA69071

prairie false oat

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G4T1

State: None

State: S1

Other: Rare Plant Rank - 1B.1

Habitat: **General:** CHAPARRAL (COASTAL).

Micro: FRIABLE CLAY LENSES. 87 M.

*** SENSITIVE ***

Occurrence No.	1	Map Index:	B6826	EO Index:	119893	Element Last Seen:	2020-04-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2020-04-23		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2021-01-06		

Quad Summary: San Luis Rey (3311723)

County Summary: San Diego

Lat/Long: **Accuracy:** 80 meters

UTM: **Elevation (ft):** 285

PLSS: **Acres:** 5.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: SMALL CLAY LENSES IN DENSE COASTAL CHAPARRAL. WITH THE ENDANGERED ACANTHOMINTHA ILICIFOLIA, AS WELL AS FESTUCA, DEINANDRA FASCICULATA, SISYRINCHIUM BELLUM, APIASTRUM ANGUSTIFOLIUM, BRACHYPODIUM DISTACHYON, CENTAUREA MELITENSIS, ETC.

General:

Owner/Manager:

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

San Diego County, California



Local office

Carlsbad Fish And Wildlife Office

☎ (760) 431-9440

📅 (760) 431-5901

2177 Salk Avenue - Suite 250

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Stephens' Kangaroo Rat <i>Dipodomys stephensi</i> (incl. <i>D. cactus</i>) Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3495	Threatened

Birds

NAME	STATUS
Coastal California Gnatcatcher <i>Poliioptila californica californica</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8178	Threatened
Least Bell's Vireo <i>Vireo bellii pusillus</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5945	Endangered
Light-footed Ridgway's Rail <i>Rallus obsoletus levipes</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6035	Endangered

Reptiles

NAME	STATUS
Southwestern Pond Turtle <i>Actinemys pallida</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4768	Proposed Threatened

Amphibians

NAME	STATUS
Arroyo (=arroyo Southwestern) Toad <i>Anaxyrus californicus</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/3762	Endangered

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Crustaceans

NAME	STATUS
Riverside Fairy Shrimp <i>Streptocephalus woottoni</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8148	Endangered
San Diego Fairy Shrimp <i>Branchinecta sandiegonensis</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6945	Endangered

Flowering Plants

NAME	STATUS
Del Mar Manzanita <i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7673	Endangered

San Diego Ambrosia *Ambrosia pumila* Endangered

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/8287>

San Diego Button-celery *Eryngium aristulatum* var. *parishii* Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/5937>

San Diego Thornmint *Acanthomintha ilicifolia* Threatened

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/351>

Spreading Navarretia *Navarretia fossalis* Threatened

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/1334>

Thread-leaved Brodiaea *Brodiaea filifolia* Threatened

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/6087>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below.

Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds
<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read

["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

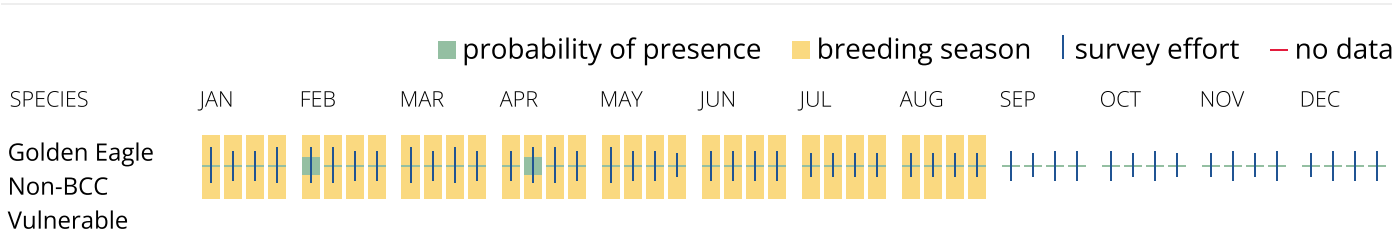
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply). To see a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the [Eagle Act](#) should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON

Allen's Hummingbird *Selasphorus sasin*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9637>

Breeds Feb 1 to Jul 15

Belding's Savannah Sparrow *Passerculus sandwichensis beldingi*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/8>

Breeds Apr 1 to Aug 15

Black-chinned Sparrow *Spizella atrogularis*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9447>

Breeds Apr 15 to Jul 31

Bullock's Oriole *Icterus bullockii*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds Mar 21 to Jul 25

California Gull *Larus californicus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Mar 1 to Jul 31

California Thrasher *Toxostoma redivivum*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Jan 1 to Jul 31

Clark's Grebe *Aechmophorus clarkii*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Jun 1 to Aug 31

Common Yellowthroat *Geothlypis trichas sinuosa*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/2084>

Breeds May 20 to Jul 31

Golden Eagle *Aquila chrysaetos*

Breeds Jan 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1680>

Oak Titmouse *Baeolophus inornatus*

Breeds Mar 15 to Jul 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9656>

Olive-sided Flycatcher *Contopus cooperi*

Breeds May 20 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/3914>

Tricolored Blackbird *Agelaius tricolor*

Breeds Mar 15 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/3910>

Western Grebe *aechmophorus occidentalis*

Breeds Jun 1 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/6743>

Wrentit *Chamaea fasciata*

Breeds Mar 15 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

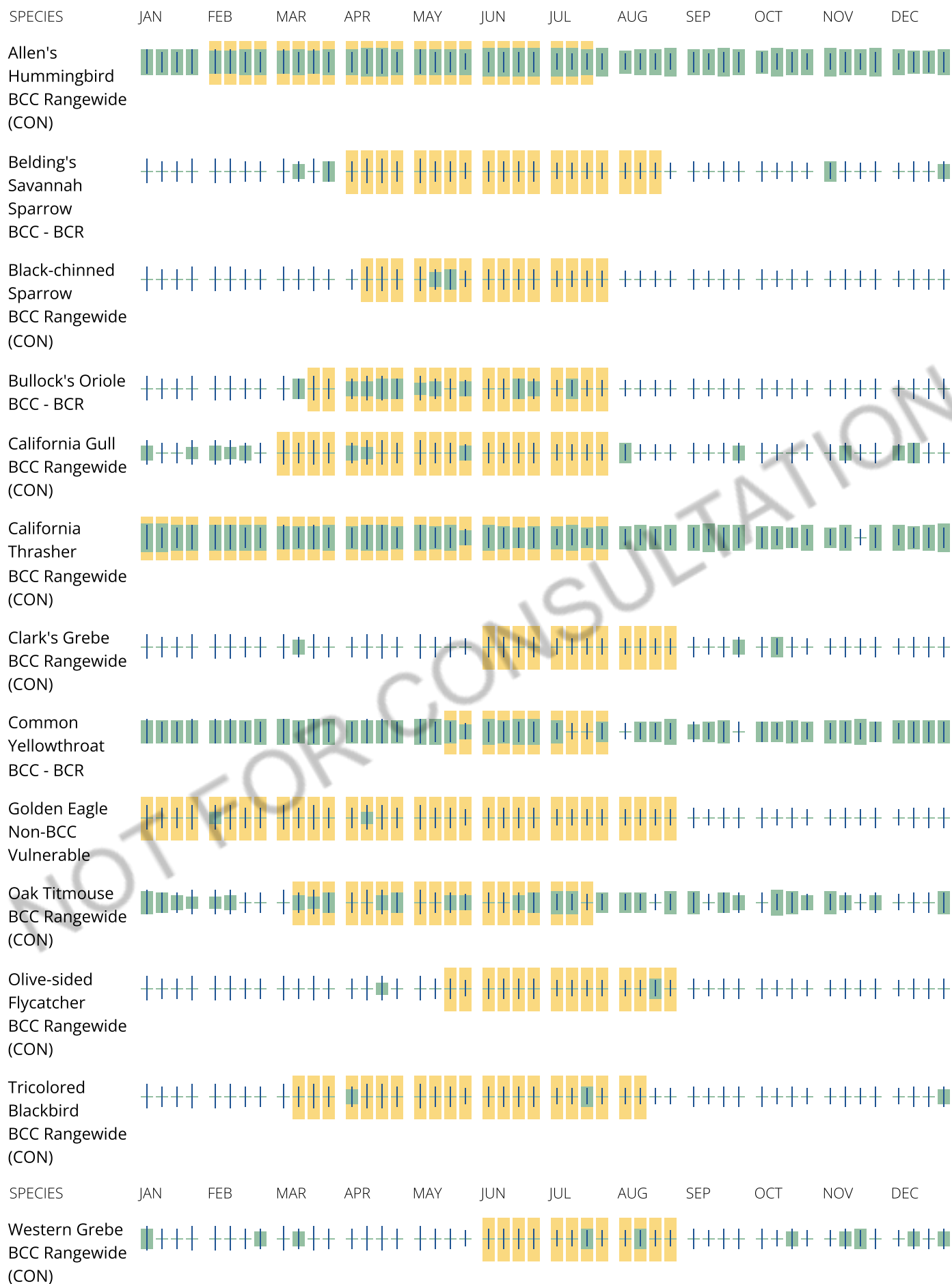
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird

on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key

component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Plant Species Observed Within the Study Area During Reconnaissance Surveys

Common Name	Scientific Name
Chamise	<i>Adenostenum fasciculatum</i>
Big saltbush	<i>Atriplex lentiformis</i>
California sagebrush	<i>Artemisia californica</i>
Common wild oat	<i>Avena fatua</i>
Foxtail brome	<i>Bromus madritensis</i> ssp. <i>rubens</i>
Broom baccharis	<i>Baccharis sarathroides</i>
Coyote brush	<i>Baccharis pilularis</i>
Pampas grass	<i>Cortaderia selloana</i>
Brittlebush	<i>Encelia farinosa</i>
California buckwheat	<i>Eriogonum fasciculatum fasciculatum</i>
Horseweed	<i>Erigeron canadensis</i>
Yellow yarrow	<i>Eriophyllum confertiflorum</i>
Common stork's bill	<i>Erodium cicutarium</i>
Rattail sixweeks grass	<i>Festuca myros</i>
Wild mustard	<i>Hirschfeldia incana</i>
Coastal goldenbush	<i>Isocoma menziesii</i>
Laurel sumac	<i>Malosma laurina</i>
Tree tobacco	<i>Nicotiana glauca</i>
Ladies' tobacco	<i>Pseudognaphalium californicum</i>
Spiny redberry	<i>Rhamnus crocea</i>
Black sage	<i>Salvia mellifera</i>
Salt cedar	<i>Tamarisk ramosissima</i>

Source: Compiled by Ascent Environmental 2024.

Wildlife Species Observed Within the Study Area During Reconnaissance Surveys

Common Name	Scientific Name
California scrub-jay	<i>Aphelocoma californica</i>
Anna’s hummingbird	<i>Calypte anna</i>
Coyote	<i>Canis latrans</i>
House finch	<i>Carpodacus mexicanus</i>
Turkey vulture	<i>Cathartes aura</i>
Rock pigeon	<i>Columba livia</i>
American crow	<i>Corvus brachyrhynchos</i>
California towhee	<i>Melospiza crissalis</i>
Song sparrow	<i>Melospiza melodia</i>
Northern mockingbird	<i>Mimus polyglottos</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>
Spotted towhee	<i>Pipilo maculatus</i>
Coastal California gnatcatcher	<i>Poliophtila californica californica</i>
Raccoon (sign)	<i>Procyon lotor</i>
Bushtit	<i>Psaltirparus minimus</i>
Black phoebe	<i>Sayornis nigricans</i>
Yellow-rumped warbler	<i>Setophaga coronata</i>
Lesser goldfinch	<i>Spinus psaltria</i>
European starling	<i>Sturnus vulgaris</i>
Bewick’s wren	<i>Thryomanes bewickii</i>
Mourning dove	<i>Zenaida macroura</i>
White-crowned sparrow	<i>Zonotrichia leucophrys</i>

Source: Compiled by Ascent Environmental 2024.

Special-Status Plant Species Known to Occur in the Vicinity of the Project Area and Their Potential for Occurrence in the Project Area

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
Aphanisma, <i>Aphanisma blitoides</i>	–	–	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. On bluffs and slopes near the ocean in sandy or clay soils. 10–1000 feet in elevation. Blooms February–June. Annual.	Not expected to occur. Suitable coastal dune or scrub habitat near the ocean is not present on the project site.
Beach goldenaster, <i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	–	–	1B.1	Coastal dunes, coastal scrub, chaparral (coastal). Sandy sites. 0–15 feet in elevation. Blooms March–December. Perennial.	Not expected to occur. There is no coastal dune habitat suitable for this species present on the project site. The project site is above the known elevation range of this species.
Blochman's dudleya, <i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	–	–	1B.1	Coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil. 15–1475 feet in elevation. Blooms April–June. Perennial.	Not expected to occur. Rocky, serpentine soils suitable for this species are not present on the project site.
Bottle liverwort, <i>Sphaerocarpos drewiae</i>	–	–	1B.1	Chaparral, coastal scrub. Liverwort in openings; on soil. 195–1920 feet in elevation.	May occur. Coastal scrub habitat potentially suitable for this species is present on the project site.
California Adolphia, <i>Adolphia californica</i>	–	–	2B.1	Chaparral, coastal sage scrub, valley and foothill grassland. From sandy/gravelly to clay soils within grassland, coastal sage scrub, or chaparral; various exposures. 150–2430 feet in elevation. Blooms December–May. Perennial.	Not expected to occur. Coastal sage scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
California Orcutt grass, <i>Orcuttia californica</i>	FE	SE	1B.1	Vernal pools, wetland. 35–2165 feet in elevation. Blooms April–August. Annual.	Not expected to occur. Vernal pool or wetland habitat suitable for this species is not present in the project area.
Chaparral Nolina, <i>Nolina cismontana</i>	–	–	1B.2	Ultramafic. Chaparral, coastal scrub. Primarily on sandstone and shale substrates; also known from gabbro. 460–4185 feet in elevation. Blooms (March), May–July. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
Chaparral sand-verbena, <i>Abronia villosa</i> var. <i>aurita</i>	–	–	1B.1	Chaparral, coastal scrub, desert dunes. Sandy areas. 245–5250 feet in elevation. Blooms January–September. Annual.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, suitable sandy soils are not present.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
Cliff spurge, <i>Euphorbia misera</i>	–	–	2B.2	Coastal bluff scrub, coastal scrub, Mojavean desert scrub. Rocky sites. 10–1410 feet in elevation. Blooms December–August (October). Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, soils are not suitably rocky and this perennial species would have been detected during reconnaissance surveys if present.
Coast woolly-heads, <i>Nemacaulis denudata</i> var. <i>denudata</i>	–	–	1B.2	Coastal dunes. 0–330 feet in elevation. Blooms April–September. Annual.	Not expected to occur. There is no dune habitat suitable for this species present on the project site. The project site is above the known elevation range of this species.
Coulter's goldfields, <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	–	–	1B.1	Alkali playa, wetland. Coastal salt marshes, playas, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 5–4510 feet in elevation. Blooms February–June. Annual.	Not expected to occur. Alkaline playa, vernal pool or wetland habitat suitable for this species is not present in the project area.
Coulter's saltbush, <i>Atriplex coulteri</i>	–	–	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 5–1510 feet in elevation. Blooms March–October. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, the site is not coastal and this perennial species would have been detected during reconnaissance surveys if present.
Decumbent goldenbush, <i>Isocoma menziesii</i> var. <i>decumbens</i>	–	–	1B.2	Coastal scrub, chaparral. Sandy soils; often in disturbed sites. 5–3000 feet in elevation. Blooms April–November. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site. This species has been known to inhabit disturbed areas; however, this perennial species would have been detected during reconnaissance surveys if present.
Del Mar manzanita, <i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	FE	–	1B.1	Chaparral. Sandy coastal mesas and ocean bluffs; in chaparral or Torrey pine forest. 100–1200 feet in elevation. Blooms December–June. Perennial.	Not expected to occur. Chaparral or ocean bluff habitat suitable for this species is not present on the project site, which is located in an inland location.
Del Mar Mesa sand aster, <i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	–	–	1B.1	Chaparral, coastal scrub, coastal bluff scrub. In coastal, shrubby communities on maritime sediments and conglomerates; in openings. 50–490 feet in elevation. Blooms May–September. Perennial.	Not expected to occur. The project site is above the known elevation range of this species.
Delicate clarkia, <i>Clarkia delicata</i>	–	–	1B.2	Ultramafic. Cismontane woodland, chaparral. Often on gabbro soils. 165–4460 feet in elevation. Blooms April–June. Annual.	Not expected to occur. Ultramafic, gabbro soils and woodland or chaparral habitat suitable for this species is not present on the project site.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
Encinitas Baccharis, <i>Baccharis vanessae</i>	FT	SE	1B.1	Chaparral, cismontane woodland. On sandstone soils in steep, open, rocky areas with chaparral associates. 130–2805 feet in elevation. Blooms August–November. Perennial.	Not expected to occur. Chaparral and woodland habitat suitable for this species is not present on the project site. Steep, rocky slopes are not present.
Estuary seablite, <i>Suaeda esteroa</i>	–	–	1B.2	Salt marsh, Wetland. Marshes and swamps. Coastal salt marshes in clay, silt, and sand substrates. 0–15 feet in elevation. Blooms May–October (January). Perennial.	Not expected to occur. There is no salt marsh habitat suitable for this species present on the project site. The project site is above the known elevation range of this species.
Felt-leaved Monardella, <i>Monardella hypoleuca</i> ssp. <i>lanata</i>	–	–	1B.2	Chaparral, cismontane woodland. Occurs in understory in mixed chaparral, chamise chaparral, and southern oak woodland; sandy soil. 985–5165 feet in elevation. Blooms June–August. Geophyte.	Not expected to occur. Chaparral or woodland habitat suitable for this species is not present on the project site.
Heart-leaved pitcher sage, <i>Lepechinia cardiophylla</i>	–	–	1B.2	Closed-cone coniferous forest, chaparral, cismontane woodland. 1705–4495 feet in elevation. Blooms April–July. Perennial.	Not expected to occur. There is no chaparral, forest, or woodland habitat suitable for this species present on the project site. The project site is below the known elevation range of this species.
Intermediate Monardella, <i>Monardella hypoleuca</i> ssp. <i>intermedia</i>	–	–	1B.3	Chaparral, cismontane woodland, lower montane coniferous forest (sometimes). Often in steep, brushy areas. 640–5495 feet in elevation. Blooms April–September. Geophyte.	Not expected to occur. Steep chaparral or woodland habitat suitable for this species is not present on the project site.
Lakeside ceanothus, <i>Ceanothus cyaneus</i>	–	–	1B.2	Closed-cone coniferous forest, chaparral. 655–3410 feet in elevation. Blooms April–June. Perennial.	Not expected to occur. Coniferous forest or chaparral habitat suitable for this species is not present on the project site.
Long-spined spineflower, <i>Chorizanthe polygonoides</i> var. <i>longispina</i>	–	–	1B.2	Ultramafic. Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. Gabbroic clay. 100–5050 feet in elevation. Blooms April–July. Annual.	Not expected to occur. Ultramafic, gabbro soils and chaparral or woodland habitat suitable for this species is not present on the project site.
Many-stemmed dudleya, <i>Dudleya multicaulis</i>	–	–	1B.2	Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. 50–2590 feet in elevation. Blooms April–July. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
Mesa Horkelia, <i>Horkelia cuneata</i> var. <i>puberula</i>	–	–	1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 50–5395 feet in elevation. Blooms February–July (September). Perennial.	Not expected to occur. Coastal scrub habitat and sandy, gravelly soils potentially suitable for this species are present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
Mud nama, <i>Nama stenocarpa</i>	–	–	2B.2	Wetland. Marshes and swamps. Lake shores, riverbanks, intermittently wet areas. 15–1640 feet in elevation. Blooms January–July. Annual/Perennial.	Not expected to occur. Marsh, swamp, or wetland habitat suitable for this species is not present on the project site.
Munz's sage, <i>Salvia munzii</i>	–	–	2B.2	Coastal scrub, chaparral. Rolling hills and slopes, in rocky soil. 115–1885 feet in elevation. Blooms February–April. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
Nuttall's Acmispon, <i>Acmispon prostratus</i>	–	–	1B.1	Coastal dunes, coastal scrub. On sand dunes. 0–60 feet in elevation. Blooms March–June (July). Annual.	Not expected to occur. The project site is above the known elevation range of this species and no sand dune habitat is present.
Nuttall's scrub oak, <i>Quercus dumosa</i>	–	–	1B.1	Closed-cone coniferous forest, chaparral, coastal scrub. Generally on sandy soils near the coast; sometimes on clay loam. 50–1310 feet in elevation. Blooms February–April (May),(August). Perennial.	Not expected to occur. Although coastal scrub habitat is present on the project site, this species was not observed during initial reconnaissance surveys (Ascent 2024).
Orcutt's brodiaea, <i>Brodiaea orcuttii</i>	–	–	1B.1	Ultramafic. Vernal pools, valley and foothill grassland, closed-cone coniferous forest, cismontane woodland, chaparral, meadows and seeps. Mesic, clay habitats; sometimes serpentine; usually in vernal pools and small drainages. 100–5300 feet in elevation. Blooms May–July. Geophyte.	Not expected to occur. Mesic, vernal pool or wetland habitat suitable for this species is not present on the project site.
Orcutt's Hazardia, <i>Hazardia orcuttii</i>	–	ST	1B.1	Chaparral, coastal scrub. Often on clay; in grassy edges of chaparral and coastal scrub. 15–280 feet in elevation. Blooms August–October. Perennial.	Not expected to occur. The project site is above the known elevation range of this species.
Orcutt's pincushion, <i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	–	–	1B.1	Coastal bluff scrub, coastal dunes. Sandy sites. 10–260 feet in elevation. Blooms January–August. Annual.	Not expected to occur. There is no coastal habitat suitable for this species present on the project site. The project site is above the known elevation range of this species.
Orcutt's spineflower, <i>Chorizanthe orcuttiana</i>	FE	SE	1B.1	Coastal scrub, chaparral, closed-cone coniferous forest. Sandy sites and openings; sometimes in transition zones. 10–410 feet in elevation. Blooms March–May. Annual.	Not expected to occur. The project site is above the known elevation range of this species.
Palmer's goldenbush, <i>Ericameria palmeri</i> var. <i>palmeri</i>	–	–	1B.1	Coastal scrub, chaparral. On granitic soils, on steep hillsides. Mesic sites. 15–2050 feet in elevation. Blooms (July), September–November. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
Parry's Tetracoccus, <i>Tetracoccus dioicus</i>	–	–	1B.2	Ultramafic. Chaparral, coastal scrub. Stony, decomposed gabbro soil. 540–3280 feet in elevation. Blooms April–May. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
Pendleton button-celery, <i>Eryngium pendletonense</i>	–	–	1B.1	Wetland. Coastal bluff scrub, valley and foothill grassland, vernal pools. Clay. Vernal mesic sites. 65–100 feet in elevation. Blooms April–June (July). Perennial.	Not expected to occur. The project site is above the known elevation range of this species.
Prairie false oat, <i>Sphenopholis interrupta</i> ssp. <i>californica</i>	–	–	1B.1	Chaparral (coastal). Friable clay lenses. 285 feet in elevation. Annual.	Not expected to occur. The project site is above the known elevation range of this species.
Purple Stemodia, <i>Stemodia durantifolia</i>	–	–	2B.1	Sonoran desert scrub. Sandy soils; mesic sites. 115–1265 feet in elevation. Blooms January–December. Perennial.	Not expected to occur. Desert scrub habitat suitable for this species is not present on the project site.
Rainbow manzanita, <i>Arctostaphylos rainbowensis</i>	–	–	1B.1	Ultramafic. Chaparral. Usually found in gabbro chaparral. 330–2855 feet in elevation. Blooms December–March. Perennial.	Not expected to occur. Chaparral habitat suitable for this species is not present on the project site.
Ramona Horkelia, <i>Horkelia truncata</i>	–	–	1B.3	Ultramafic. Chaparral, cismontane woodland. Habitats in California include: mixed chaparral, vernal streams, and disturbed areas near roads. Clay soil; at least sometimes on gabbro. 1310–4265 feet in elevation. Blooms May–June. Perennial.	Not expected to occur. Chaparral or woodland habitat suitable for this species is not present on the project site.
Salt Spring checkerbloom, <i>Sidalcea neomexicana</i>	–	–	2B.2	Wetland. Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 0–5020 feet in elevation. Blooms March–June. Perennial.	Not expected to occur. Wetland or marsh habitat suitable for this species is not present in the project area.
San Diego ambrosia, <i>Ambrosia pumila</i>	FE	–	1B.1	Chaparral, coastal scrub, valley and foothill grassland. Sandy loam or clay soil; sometimes alkaline. In valleys; persists where disturbance has been superficial. Sometimes on margins or near vernal pools. 10–1905 feet in elevation. Blooms April–October. Geophyte.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
San Diego barrel cactus, <i>Ferocactus viridescens</i>	–	–	2B.1	Chaparral, coastal scrub, valley and foothill grassland. Often on exposed, level or south-sloping areas; often in coastal scrub near crest of slopes. 10–1610 feet in elevation. Blooms May–June. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
San Diego button-celery, <i>Eryngium aristulatum</i> var. <i>parishii</i>	FE	SE	1B.1	Vernal pools, coastal scrub, valley and foothill grassland, wetland. San Diego mesa hardpan and claypan vernal pools and southern interior basalt flow vernal pools; usually surrounded by scrub. 50–2885 feet in elevation. Blooms April–June. Annual/Perennial.	Not expected to occur. Vernal pool or wetland habitat suitable for this species is not present in the project area.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
San Diego goldenstar, <i>Bloomeria clevelandii</i>	–	–	1B.1	Wetland. Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Mesa grasslands, scrub edges; clay soils. Often on mounds between vernal pools in fine, sandy loam. 165–1525 feet in elevation. Blooms April–May. Geophyte.	Not expected to occur. Vernal pool or wetland habitat suitable for this species is not present in the project area.
San Diego marsh-elder, <i>Iva hayesiana</i>	–	–	2B.2	Alkali playa, wetland. Marshes and swamps, playas. Riverwashes. 5–1410 feet in elevation. Blooms April–October. Perennial.	Not expected to occur. Marsh, swamp, or wetland habitat suitable for this species is not present in the project area.
San Diego mesa mint, <i>Pogogyne abramsii</i>	FE	SE	1B.1	Vernal pools, wetland. Vernal pools within grasslands, chamise chaparral, or coastal sage scrub communities. 230–640 feet in elevation. Blooms March–July. Annual.	Not expected to occur. There is no vernal pool habitat suitable for this species present on the project site. The project site is above the known elevation range of this species.
San Diego thorn-mint, <i>Acanthomintha ilicifolia</i>	FT	SE	1B.1	Wetland. Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Endemic to active vertisol clay soils of mesas and valleys. Usually on clay lenses within grassland or chaparral communities. 80–3100 feet in elevation. Blooms April–June. Annual.	Not expected to occur. Wetland habitat suitable for this species is not present in the project area. The site does not support vertisol clay soils.
Sand-loving wallflower, <i>Erysimum ammosiphilum</i>	–	–	1B.2	Chaparral (maritime), coastal dunes, coastal scrub. Sandy openings. 0–195 feet in elevation. Blooms February–June. Perennial.	Not expected to occur. The project site is above the known elevation range of this species.
Sea dahlia, <i>Leptosyne maritima</i>	–	–	2B.2	Coastal scrub, coastal bluff scrub. Occurs on a variety of soil types, including sandstone. 15–605 feet in elevation. Blooms March–May. Perennial.	Not expected to occur. The project site is above the known elevation range of this species.
Shaw's agave, <i>Agave shawii</i> var. <i>shawii</i>	–	–	2B.1	Coastal bluff scrub, coastal scrub. Coastal bluffs and slopes within coastal sage scrub. 35–395 feet in elevation. Blooms September–May. Perennial.	Not expected to occur. The project site is above the known elevation range of this species.
Slender cottonheads, <i>Nemacaulis denudata</i> var. <i>gracilis</i>	–	–	2B.2	Coastal dunes, desert dunes, Sonoran desert scrub. In dunes or sand. 165–1310 feet in elevation. Blooms (March), April–May. Annual.	Not expected to occur. There is no sand dune habitat suitable for this species present on the project site.
Smooth tarplant, <i>Centromadia pungens</i> ssp. <i>laevis</i>	–	–	1B.1	Alkali playa, wetland. Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland. Alkali meadow, alkali scrub; also in disturbed places. 15–3840 feet in elevation. Blooms April–September. Annual.	Not expected to occur. The project site lacks alkaline soils and riparian habitat suitable for this species.
South coast saltscale, <i>Atriplex pacifica</i>	–	–	1B.2	Alkali playa. Coastal scrub, coastal bluff scrub, playas, coastal dunes. Alkali soils. 5–1310 feet in elevation. Blooms March–October. Annual.	Not expected to occur. The project site lacks alkaline soils and coastal habitat suitable for this species.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
Southern tarplant, <i>Centromadia parryi</i> ssp. <i>australis</i>	–	–	1B.1	Salt marsh, wetland. Marshes and swamps (margins), valley and foothill grassland, vernal pools. Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Sometimes on vernal pool margins. 0–3200 feet in elevation. Blooms May–November. Annual.	Not expected to occur. There is no marsh or wetland habitat suitable for this species present on the project site.
Spreading Navarretia, <i>Navarretia fossalis</i>	FT	–	1B.1	Alkali playa, wetland. Vernal pools, chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 50–2790 feet in elevation. Blooms April–June. Annual.	Not expected to occur. There is no vernal pool or wetland habitat suitable for this species present on the project site.
Sticky dudleya, <i>Dudleya viscida</i>	–	–	1B.2	Coastal scrub, coastal bluff scrub, chaparral, cismontane woodland. On north and south-facing cliffs and banks. 35–1805 feet in elevation. Blooms May–June. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
Summer holly, <i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	–	–	1B.2	Chaparral, cismontane woodland. Often in mixed chaparral in California, sometimes post-burn. 100–3100 feet in elevation. Blooms April–June. Perennial.	Not expected to occur. There is no chaparral or cismontane woodland habitat suitable for this species present on the project site.
Thread-leaved brodiaea, <i>Brodiaea filifolia</i>	FT	SE	1B.1	Wetland. Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools. Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 50–3345 feet in elevation. Blooms March–June. Geophyte.	Not expected to occur. Vernal pools and soils suitable for this species are not present.
Torrey pine, <i>Pinus torreyana</i> ssp. <i>torreyana</i>	–	–	1B.2	Closed-cone coniferous forest, chaparral. On dry, sandstone slopes. 230–525 feet in elevation. Blooms . Perennial.	Not expected to occur. There is no chaparral or coniferous habitat suitable for this species present on the project site. The project site is above the known elevation range of this species.
Variegated dudleya, <i>Dudleya variegata</i>	–	–	1B.2	Chaparral, coastal scrub, cismontane woodland, valley and foothill grassland. In rocky or clay soils; sometimes associated with vernal pool margins. 10–1905 feet in elevation. Blooms April–June. Perennial.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, this perennial species would have been detected during reconnaissance surveys if present.
Wart-stemmed ceanothus, <i>Ceanothus verrucosus</i>	–	–	2B.2	Chaparral. 5–1245 feet in elevation. Blooms December–May. Perennial.	Not expected to occur. There is no chaparral habitat suitable for this species present on the project site. This perennial species would have been detected during reconnaissance surveys if present.

Species	Listing Status ¹ Federal	Listing Status ¹ State	CRPR	Habitat	Potential for Occurrence ²
White rabbit-tobacco, <i>Pseudognaphalium leucocephalum</i>	–	–	2B.2	Riparian woodland, cismontane woodland, coastal scrub, chaparral. Sandy, gravelly sites. 115–1690 feet in elevation. Blooms (July), August–November (December). Perennial.	Not expected to occur. Coastal sage scrub habitat potentially suitable for this species is present on the project site, but is limited in size and disturbed. This perennial species would have been detected during reconnaissance surveys if present.
Wiggins' cryptantha, <i>Cryptantha wigginsii</i>	–	–	1B.2	Coastal scrub. Often on clay soils. 150–360 feet in elevation. Blooms February–June. Annual.	Not expected to occur. The project site is above the known elevation range of this species.
Yucaipa onion, <i>Allium marvinii</i>	–	–	1B.2	Chaparral. In openings on clay soils. 2790–3510 feet in elevation. Blooms April–May. Geophyte.	Not expected to occur. There is no chaparral habitat suitable for this species present on the project site.

1 Legal Status Definitions

Federal:

FE Federally Listed as Endangered (legally protected)

FT Federally Listed as Threatened (legally protected)

State:

SE State Listed as Endangered (legally protected)

ST State Listed as Threatened (legally protected)

California Rare Plant Ranks (CRPR):

1B Plant species considered rare or endangered in California and elsewhere (protected under CEQA, but not legally protected under ESA or CESA).

2B Plant species considered rare or endangered in California but more common elsewhere (protected under CEQA, but not legally protected under ESA or CESA).

4 Plants of limited distribution (watch list).

CRPR Threat Ranks:

0.1 Seriously threatened in California (over 80% of occurrences threatened; high degree and immediacy of threat)

0.2 Moderately threatened in California (20–80% occurrences threatened; moderate degree and immediacy of threat)

0.3 Not very threatened in California (less than 20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

2 Potential for Occurrence Definitions

Not expected to occur: Species is unlikely to be present because of poor habitat quality, lack of suitable habitat features, or restricted current distribution of the species.

May occur: Suitable habitat is available and there have been nearby recorded occurrences of the species.

Known to occur: The species has been observed within the treatment areas.

Sources: CNDDDB 2024; USFWS 2024; CNPS 2024.

Special–Wildlife Species Known to Occur in the Vicinity of the Project Area and Their Potential for Occurrence in the Project Area

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Amphibians and Reptiles				
Arroyo toad, <i>Anaxyrus californicus</i>	FE	SSC	Desert wash, riparian scrub, riparian woodland, south coast flowing waters, and south coast standing waters. Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, and desert wash. Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	Not expected to occur. Riparian habitat suitable for this species is not present on the project site.
California glossy snake, <i>Arizona elegans occidentalis</i>	–	SSC	Patchily distributed from the eastern portion of San Francisco bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular Ranges south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site; however, the soils are not suitably loose or sandy and have been previously disturbed.
Coast horned lizard, <i>Phrynosoma blainvillii</i>	–	SSC	Chaparral, cismontane woodland, coastal bluff scrub, coastal scrub, desert wash, pinyon and juniper woodlands, riparian scrub, riparian woodland, valley and foothill grassland. Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	May occur. Coastal scrub habitat potentially suitable for this species is present on the project site.
Coast patch-nosed snake, <i>Salvadora hexalepis virgultea</i>	–	SSC	Coastal scrub. Brushy or shrubby vegetation in coastal southern California. Require small mammal burrows for refuge and overwintering sites.	May occur. Coastal scrub habitat potentially suitable for this species is present on the project site.
Coastal whiptail, <i>Aspidoscelis tigris stejnegeri</i>	–	SSC	Found in deserts and semiarid areas with sparse vegetation and open areas. Also found in woodland and riparian areas. Ground may be firm soil, sandy, or rocky.	May occur. Semiarid, sparsely vegetated habitat potentially suitable for this species is present on the project site.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Red-diamond rattlesnake, <i>Crotalus ruber</i>	–	SSC	Chaparral, Mojavean desert scrub, Sonoran desert scrub. Chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	May occur. Coastal scrub habitat potentially suitable for this species is present on the project site.
South coast gartersnake, <i>Thamnophis sirtalis</i> pop. 1	–	SSC	Southern California coastal plain from Ventura County to San Diego County, and from sea level to about 850 m. Marsh and upland habitats near permanent water with good strips of riparian vegetation.	Not expected to occur. While Gartersnake is known to inhabit upland habitats, riparian vegetation required for this species is not present on the project site.
Southern California legless lizard, <i>Anniella stebbinsi</i>	–	SSC	Broadleaved upland forest, chaparral, coastal dunes, coastal scrub. Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County. Variety of habitats; generally in moist, loose soil. Prefers soils with a high moisture content.	Not expected to occur. Coastal scrub and sparsely vegetated habitat potentially suitable for this species is present on the project site; however, soils are not suitably moist, loose, or sandy soils.
Two-striped gartersnake, <i>Thamnophis hammondi</i>	–	SSC	Marsh and swamp, riparian scrub, riparian woodland, wetland. Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 feet elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	Not expected to occur. Aquatic or riparian habitat suitable for this species is not present on the project site.
Western pond turtle, <i>Emys marmorata</i>	FC	SSC	Ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	Not expected to occur. Pond, marsh, or other wetland habitat suitable for this species is not present on the project site.
Western spadefoot, <i>Spea hammondi</i>	FC	SSC	Cismontane woodland, coastal scrub, valley and foothill grassland, vernal pool, and wetlands. Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	Not expected to occur. The project site does not support vernal pool habitat required for western spadefoot breeding.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Birds				
Bank swallow, <i>Riparia riparia</i>	–	ST	Riparian scrub, riparian woodland. Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, or oceans to dig nesting hole.	Not expected to forage or nest on the site. Riparian habitat and vertical cliffs are not present on the project site. The project area is unlikely to support foraging habitat of substantial importance to this species.
Belding's savannah sparrow, <i>Passerculus sandwichensis beldingi</i>	–	SE	Marshes, swamps, and wetlands. Inhabits coastal salt marshes from Santa Barbara south through San Diego County. Nests in Salicornia on and about margins of tidal flats.	Not expected to forage or nest on the site. Coastal salt marshes and nesting habitat suitable for this species (e.g., Salicornia stands) are not present on the project site.
Burrowing owl, <i>Athene cunicularia</i>	–	SSC	Open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Not expected to forage or nest on the site. Active burrows are unlikely due to the history of development in the immediate project vicinity.
California black rail, <i>Laterallus jamaicensis coturniculus</i>	–	ST; FP	Inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	Not expected to forage or nest on the site. Shallow marshes and wet meadows suitable for this species are not present on the project site. The site does not support dense vegetation that California black rail requires for nesting.
California least tern, <i>Sternula antillarum browni</i>	FE	SE; FP	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	Not expected to forage or nest on the site. There is no beach habitat suitable for this species present on the project site. The project site is outside the known distribution of this species.
Coastal cactus wren, <i>Campylorhynchus brunneicapillus sandiegensis</i>	–	SSC	Southern California coastal sage scrub. Wrens require tall opuntia cactus for nesting and roosting.	Not expected to forage or nest on the site. Opuntia cactus required for nesting and roosting are not present on the project site.
Coastal California gnatcatcher, <i>Poliophtila californica californica</i>	FT	SSC	Obligate, permanent resident of coastal sage scrub below 2,500 ft in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	Known to Occur. Coastal sage scrub habitat suitable for this species is present on the project site. Coastal California gnatcatcher was incidentally detected during reconnaissance surveys (Ascent 2024).

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Golden eagle, <i>Aquila chrysaetos</i>	–	FP	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	Not expected to forage or nest on the site. Cliff-walled canyons suitable for nesting are not present in the project vicinity, and the project site lacks large trees in open areas. The project area is unlikely to support foraging habitat of substantial importance to this species.
Least Bell's vireo, <i>Vireo bellii pusillus</i>	FE	SE	Summer resident of southern California in low riparian in vicinity of water or in dry river bottoms; below 2,000 feet. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, coyote brush, mesquite.	Not expected to forage or nest on the site. The project site does not support suitable riparian habitat for this species, and lacks willow, coyote brush, and mesquite shrubs. The project area is unlikely to support foraging habitat of substantial importance to this species.
Least bittern, <i>Ixobrychus exilis</i>	–	SSC	Colonial nester in marshlands and borders of ponds and reservoirs which provide ample cover. Nests usually placed low in tules, over water.	Not expected to forage or nest on the site. The project site does not support vegetated marsh or pond habitat suitable for least bittern.
Light-footed Ridgway's rail, <i>Rallus obsoletus levipes</i>	FE	SE; FP	Found in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed are the dominant vegetation. Requires dense growth of either pickleweed or cordgrass for nesting or escape cover; feeds on mollusks and crustaceans.	Not expected to forage or nest on the site. Salt marsh habitat with pickleweed or cordgrass suitable for this species is not present on the project site.
Northern harrier, <i>Circus hudsonius</i>	–	SSC	Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sinks to mountain cienagas. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	Not expected to forage or nest on the site. There is no marsh habitat suitable for this species on the project site. The project area is unlikely to support foraging habitat of substantial importance to this species.
Southwestern willow flycatcher, <i>Empidonax traillii extimus</i>	FE	SE	Inhabits extensive thickets of low, dense willows on edge of wet meadows, ponds, or backwaters; 2,000–8,000 ft in elevation. Requires dense willow thickets for nesting/roosting. Low, exposed branches are used for singing posts/hunting perches.	Not expected to forage or nest on the site. Suitable thickets of willows near meadows or ponds are not present in the project area. The project area is below the known elevation range of this species.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Swainson's hawk, <i>Buteo swainsoni</i>	–	ST	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	Not expected to forage or nest on the site. The project site is heavily disturbed and does not support trees suitable for this species to nest. The project area is unlikely to support foraging habitat of substantial importance to this species.
Tricolored blackbird, <i>Agelaius tricolor</i>	–	ST; SSC	Highly colonial species, most numerous in the Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate within cattails and tulles, and foraging area with insect prey within a few km of the colony.	Not expected to forage or nest on the site. Large open waters or nesting habitat suitable for tricolored blackbirds (e.g., riparian habitat, marsh habitat, blackberry brambles) are not present in the project area. The project area is unlikely to support foraging habitat of substantial importance to this species.
Western snowy plover, <i>Charadrius nivosus nivosus</i>	FT	SSC	Sandy beaches, salt pond levees and shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	Not expected to forage or nest on the site. Sandy, alkaline soils suitable for western snowy plover are not present on the project site.
Western yellow-billed cuckoo, <i>Coccyzus americanus occidentalis</i>	FT	SE	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	Not expected to forage or nest on the site. There is no riparian habitat suitable for this species present on the project site. The project area is unlikely to support foraging habitat of substantial importance to this species.
White-tailed kite, <i>Elanus leucurus</i>	–	FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	Not expected to forage or nest on the site. There is no grassland or scattered oak habitat suitable for this species present on the project site. The project area is unlikely to support foraging habitat of substantial importance to this species.
Yellow warbler, <i>Setophaga petechia</i>	–	SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	Not expected to forage or nest on the site. There is no riparian habitat suitable for this species present on the project site. The project area is unlikely to support foraging habitat of substantial importance to this species.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Yellow-breasted chat, <i>Icteria virens</i>	–	SSC	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. Nests in low, dense riparian, consisting of willow, blackberry, or wild grape. Forages and nests within 10 feet of ground.	Not expected to forage or nest on the site. Dense riparian nesting habitat suitable for this species is not present on the project site.
Fish				
Arroyo chub, <i>Gila orcuttii</i>	–	SSC	South coast flowing waters. Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave and San Diego river basins. Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	Not expected to occur. There is no aquatic habitat suitable for this species present on the project site.
Tidewater goby, <i>Eucyclogobius newberryi</i>	FE	–	Klamath/north coast flowing waters, Sacramento/San Joaquin flowing waters, South coast flowing waters. Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water and high oxygen levels.	Not expected to occur. There is no aquatic habitat suitable for this species present on the project site.
Invertebrates				
Crotch's bumble bee, <i>Bombus crotchii</i>	–	SC	Found primarily in California: mediterranean, Pacific coast, western desert, Great Valley, and adjacent foothills through most of southwestern California. Habitat includes open grassland and scrub. Nests underground.	May occur. Scrub habitat potentially suitable for this species is present on the project site.
Monarch butterfly - California overwintering population, <i>Danaus plexippus plexippus</i> pop. 1	FC	–	Closed-cone coniferous forest Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (e.g., eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.	Not expected to occur. Wind protected tree groves required for roosting are not present on the project site. The project area is unlikely to support foraging habitat of substantial importance to this species.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Riverside fairy shrimp, <i>Streptocephalus woottoni</i>	FE	–	Coastal scrub, valley and foothill grassland, vernal pool, wetland. Endemic to W, RIV, ORA, and SDG counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub. Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season.	Not expected to occur. Astatic, seasonally filled pools suitable for this species are not present on the project site.
San Diego fairy shrimp, <i>Branchinecta sandiegonensis</i>	FE	–	Chaparral, coastal scrub, vernal pool, wetland. Endemic to San Diego and Orange County mesas. Vernal pools.	Not expected to occur. Vernal pool habitat suitable for this species is not present on the project site.

Mammals

American badger, <i>Taxidea taxus</i>	–	SSC	Alkali marsh, alkali playa, alpine, alpine dwarf scrub, bog a fen, brackish marsh, broadleaved upland forest, chaparral, chenopod scrub, cismontane woodland, closed-cone coniferous forest, coastal bluff scrub, coastal dunes, coastal prairie. Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	Not expected to occur. Habitat types suitable for this species are not present on the project site and the area has been previously disturbed.
Big free-tailed bat, <i>Nyctinomops macrotis</i>	–	SSC	Low-lying arid areas in southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	Not expected to occur. High cliffs and rocky outcrops needed for big free-tailed bat roosting are not present on the project site.
Lesser long-nosed bat, <i>Leptonycteris yerbabuenae</i>	FD	SSC	Arid regions such as desert grasslands and shrub land. Suitable day roosts (caves and mines) and suitable concentrations of food plants (columnar cacti and agaves) are critical resources. No maternity roosts known from California; may only be vagrant. Caves and mines are used as day roosts. Caves, mines, rock crevices, trees and shrubs, and abandoned buildings are used as night roosts for digesting meals. Nectar, pollen, and fruit eating bat; primarily feeding on agaves, saguaro, and organ pipe cactus.	Not expected to occur. Cave or mines needed for lesser long-nosed bat roosting are not present on the project site. The project site lacks cacti and agaves and is unlikely to support foraging habitat of substantial importance to this species.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Mexican long-tongued bat, <i>Choeronycteris mexicana</i>	–	SSC	Pinyon and juniper woodlands, riparian scrub, Sonoran thorn woodland. Occasionally found in San Diego County, which is on the periphery of their range. Feeds on nectar and pollen of night-blooming succulents. Roosts in relatively well-lit caves, and in and around buildings.	Not expected to occur. Woodland or riparian habitat suitable for this species is not present on the project site. The project site lacks caves needed for Mexican long-tongued bat roosting.
Pacific pocket mouse, <i>Perognathus longimembris pacificus</i>	FE	SSC	Coastal scrub. Inhabits the narrow coastal plains from the Mexican border north to El Segundo, Los Angeles County. Seems to prefer soils of fine alluvial sands near the ocean, but much remains to be learned.	Not expected to occur. Coastal scrub habitat potentially suitable for this species is present on the project site, however, the site is located inland from the coast (>2 miles) and does not contain suitable soils.
Pallid bat, <i>Antrozous pallidus</i>	–	SSC	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. Tree roosting has also been documented in large conifer snags, inside basal hollows of redwoods and giant sequoias, and bole cavities in oaks. Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	Not expected to occur. Heavy disturbance on the project site and in the project vicinity deem pallid bat roosting unlikely.
Pocketed free-tailed bat, <i>Nyctinomops femorosaccus</i>	–	SSC	Joshua tree woodland, pinyon and juniper woodlands, riparian scrub, Sonoran desert scrub. Variety of arid areas in southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, and desert riparian. Rocky areas with high cliffs.	Not expected to occur. Joshua tree woodland or riparian habitat suitable for this species is not present on the project site. The project site also lacks rocky areas with high cliffs needed for Mexican pocketed free-tailed bat roosting.
San Diego desert woodrat, <i>Neotoma lepida intermedia</i>	–	SSC	Coastal scrub. Coastal scrub of southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops and rocky cliffs and slopes.	May occur. Scrub habitat potentially suitable for this species is present on the project site.
Stephens' kangaroo rat, <i>Dipodomys stephensi</i>	FT	ST	Coastal scrub, valley and foothill grassland. Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover. Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	Not expected to occur. While suitable scrub habitat is present, the cover is dense and has been previously disturbed. The site is also outside of the known range of this species.

Species	Listing Status ¹ Federal	Listing Status ¹ State	Habitat	Potential for Occurrence ²
Townsend's big-eared bat, <i>Corynorhinus townsendii</i>	–	SSC	Throughout California in a wide variety of habitats. Most common in mesic sites. Requires large cavities for roosting, which may include abandoned buildings and mines, caves, and basal cavities of trees. Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	Not expected to occur. There are no large cavities suitable for roosting present on the project site. The project site is heavily impacted by disturbance, and unlikely to support foraging habitat of substantial importance to this species.
Western mastiff bat, <i>Eumops perotis californicus</i>	–	SSC	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, and chaparral. Roosts in crevices in cliff faces, high buildings, trees and tunnels.	May occur. Some suitable chaparral and coastal scrub habitat in the study area and the species may roost in nearby buildings and infrastructure associated with the university.
Western yellow bat, <i>Lasiurus xanthinus</i>	–	SSC	Desert wash. Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	Not expected to occur. The project site lacks trees and riparian habitat suitable for this species. The project area is unlikely to support foraging habitat of substantial importance to this species.

1 Legal Status Definitions

Federal:

- FE Federally Listed as Endangered (legally protected)
- FT Federally Listed as Threatened (legally protected)
- FD Federally Delisted
- FC Candidate for Listing under the federal Endangered Species Act

State:

- SSC Species of Special Concern (no formal protection other than CEQA consideration)
- SE State Listed as Endangered (legally protected)
- ST State Listed as Threatened (legally protected)
- SC State Candidate for listing (legally protected)
- SD State Delisted
- FP Fully Protected (legally protected)

2 Potential for Occurrence Definitions

Not expected to occur: Species is unlikely to be present because of poor habitat quality, lack of suitable habitat features, or restricted current distribution of the species.

May occur: Suitable habitat is available; however, there are little to no other indicators that the species might be present.

Known to occur: Species has been documented within the treatment site.

Sources: CNDDB 2024; USFWS 2024; CNPS 2024.

Appendix C

Archaeological Survey Report

Archaeological Survey Report for the California State University San Marcos Integrated Science and Engineering Building Project, San Marcos, California

Prepared for:

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NATIONAL ARCHAEOLOGICAL DATABASE INFORMATION

Authors: Terrence Luévano and Shelby Castells

Firm: ASM Affiliates, Inc.

Client/Project Proponent: Ascent Environmental

Report Date: February 2024

Report Title: Archaeological Survey Report for the California State University San Marcos Integrated Science and Engineering Building Project, San Marcos, California

Type of Study: Phase I Archaeological Survey

New Sites: none

Updated Sites: none

USGS Quad: San Marcos USGS 7.5' Topographic Quadrangle Map in Township 12 South, Range 3 West, Sections 14 and Unsectioned (Los Vallecitos de San Marcos Land Grant)

Acreage: 2.63 acres

Keywords: San Marcos 7.5-minute quadrangle

EXECUTIVE SUMMARY

This report provides the results of an archaeological inventory and survey conducted for the California State University San Marcos Integrated Science and Engineering Building Project (Project), located on portions of APN 221-67-002 and 221-67-003 in San Marcos, San Diego County, California. The Project is located on an approximately 2.63 acres of the California State University, San Marcos (CSUSM) Campus, south of the CSUSM Arts Building and east of CSUSM University Hall. The report is prepared in compliance with the California Environmental Quality Act (CEQA). The California State University (CSU) Board of Trustees is the lead agency. CSUSM is proposing to construct two Integrated Science and Engineering (IS&E) buildings on a 2.46-acre site and an off-site utility tunnel on an additional 0.17 acres within the existing campus. The proposed buildings would provide a combined 125,000 square feet of space (70,000 square feet for Building 36A and 55,000 square feet for Building 36B) for academic classrooms, laboratories, administration, and storage.

ASM Affiliates (ASM) conducted an archaeological inventory and survey to assess potential impacts to cultural and historical resources as a result of the proposed project. The archaeological inventory included a record search of the California Historical Resources Information System (CHRIS), a Sacred Lands File search with the Native American Heritage Commission (NAHC), Native American outreach, literature review, archival research, archaeological pedestrian survey, and resource documentation. No cultural resources have been previously recorded within the Project area and the NAHC Sacred Lands File search was negative.

The current archaeological survey was conducted by ASM Associate Archaeologist Lucas Piek with Native American monitor Banning Taylor of Saving Sacred Sites. Ground surface visibility within the project area was good in the areas developed as a part of CSUSM and fair on the eastern side of the Project area, where it overlaps with the base of an undeveloped hillside covered in Mule Fat, Deerweed, and Coastal Sage Scrub. Mr. Piek noted that the Project area was extremely disturbed from past grading construction activities. No artifacts were identified during the survey.

The record search of the Sacred Lands File held by the NAHC was negative. Information request letters were sent to 29 tribal contacts provided by the NAHC. To date five responses have been received from the Jamul Indian Village, the San Pasqual Band of Mission Indians, the San Luis Rey Band of Mission Indians, the Rincon Band of Luiseño Indians, and the Campo Band of Mission Indians.

As the archeological inventory was negative the Project will not have an impact on cultural resources.

Archaeological and Native American monitoring is recommended, if ground disturbance for the Project extends deeper than previously identified mass grading, has the potential to encounter native soil, or if requested during the Native American consultation.

. If any possible human remains are encountered, the project proponent is required to follow California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98 (b).

1.0 INTRODUCTION

This report provides the results of an archaeological inventory and survey conducted for the California State University San Marcos Integrated Science and Engineering Building Project (Project), on portions of APN 221-67-002 and 221-67-003 in San Marcos, San Diego County, California. The report is prepared in compliance with CEQA.

This section, Chapter 1, of the report provides a project description and location and regulatory framework. Chapter 2 provides a natural, cultural, and historical overview of the region. Chapter 3 provides the research design. Chapter 4 provides the methods and results of the inventory. Chapter 5 includes recommendations and conclusions. Appendix A includes the CHRIS records search confirmation at the South Coastal Information Center (SCIC), while Appendix B includes correspondence with the NAHC (Confidential).

The Project was managed by ASM Principal Investigator Shelby Castells, M.A., RPA, and the field director for the survey was ASM Associate Archaeologist Lucas Piek. Ms. Castells and ASM Associate Archaeologist Terrence Luévano, M.A., RPA, contributed to the report. Mr. Luévano prepared the project maps. Native American monitoring was provided by Banning Taylor of Saving Sacred Sites.

1.1 PROJECT DESCRIPTION AND LOCATION

California State University San Marcos (CSUSM) is proposing to construct two Integrated Science and Engineering (IS&E) buildings on a 2.46-acre site and an off-site utility tunnel on an additional 0.17 acres within the existing campus. The proposed buildings would provide a combined 125,000 square feet of space (70,000 square feet for Building 36A and 55,000 square feet for Building 36B) for academic classrooms, laboratories, administration, and storage. The approximate 2.63-acre site is located on the CSUSM campus (on portions of APN 221-67-002 and 221-67-003) in a Public-Institutional neighborhood. The Project site is south of the CSUSM Arts Building, east of CSUSM University Hall, north of CSUSM Markstein Hall and a parking lot, and west of an undeveloped hillside. A campus service road runs through the Project from the east, north and south. The current General Plan designation for the site is PI (Public/Institutional) and the Zoning is Public-Institutional (P-I). The project applicant is proposing a Specific Plan.

The CSUSM property is located south of East Barham Drive and west of South Twin Oaks Valley Road (Figures 1 and 2). The Assessor's parcel numbers are 221-67-002 and 221-67-003. The Project area is shown on the San Marcos USGS 7.5' topographic quadrangle map in Township 12 South, Range 3 West, within section 14 and unsectioned land associated with the former Los Vallecitos De San Marcos land grant. The parcel is currently a State University, and existing vegetation within the developed areas includes native and non-native grasses.

1.2 REGULATORY FRAMEWORK

Districts, sites, buildings, structures, and objects are assigned significance based on their exceptional value or quality illustrating or interpreting the heritage of San Diego or the United States in history, architecture, archaeology, engineering, and culture. A number of criteria are used in demonstrating resource importance. Specifically, criteria outlined in the California Register of

Historic Resources (CRHR) and California Environmental Quality Act (CEQA) provide the guidance for making such a determination. The CSU Board of Trustees does not have a set of local criteria for historic designation. The following sections detail the criteria that a resource must meet in order to be determined important.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES SIGNIFICANCE CRITERIA

The CRHR program encourages public recognition and protection of resources of architectural, historical, archeological, and cultural significance; identifies historical resources for state and local planning purposes; determines eligibility for state historic preservation grant funding; and affords certain protections under CEQA.

In order to be eligible for listing in the CRHR, a resource must satisfy at least one of the following four criteria:

- 1) It is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
- 2) It is associated with the lives of persons important to local, California, or national history.
- 3) It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values.
- 4) It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

Cultural and historical resources eligible for listing in the CRHR must meet one of the criteria of significance described above and retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. For the purposes of eligibility for CRHR, integrity is defined as “the authenticity of an historical resource’s physical identity evidenced by the survival of characteristics that existed during the resource’s period of significance” (Office of Historic Preservation 2001).

CALIFORNIA ENVIRONMENTAL QUALITY ACT SIGNIFICANCE CRITERIA

CEQA requires state and local public agencies to identify the environmental impacts of proposed discretionary activities or projects, determine if the impacts will be significant, and identify alternatives and mitigation measures that will substantially reduce or eliminate significant impacts to the environment.

Historical resources are considered part of the environment, and a project that may cause a substantial adverse effect to the significance of a historical resource is a project that may have a significant effect on the environment. “Historical resource” applies to a building and/or structure that:

- 1) is listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4850 et seq.); or

- 2) is included in a local register of historical resources, or is identified as significant in a historical resource survey meeting the requirements section 5024.1(g) of the Public Resources Code; or
- 3) is a building or structure determined to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California.

Lead agencies have a responsibility to evaluate historical resources prior to making a finding as to a proposed project's impacts. Mitigation of adverse impacts is required if the proposed project will cause substantial adverse change. Substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired. While demolition and destruction are fairly obvious significant impacts, it is more difficult to assess when change, alteration, or relocation crosses the threshold of substantial adverse change. The CEQA Guidelines provide that a project that demolishes or alters those physical characteristics of a historical resource that convey its historical significance (i.e., its character-defining features) is considered to materially impair the resource's significance.

1.0 Introduction

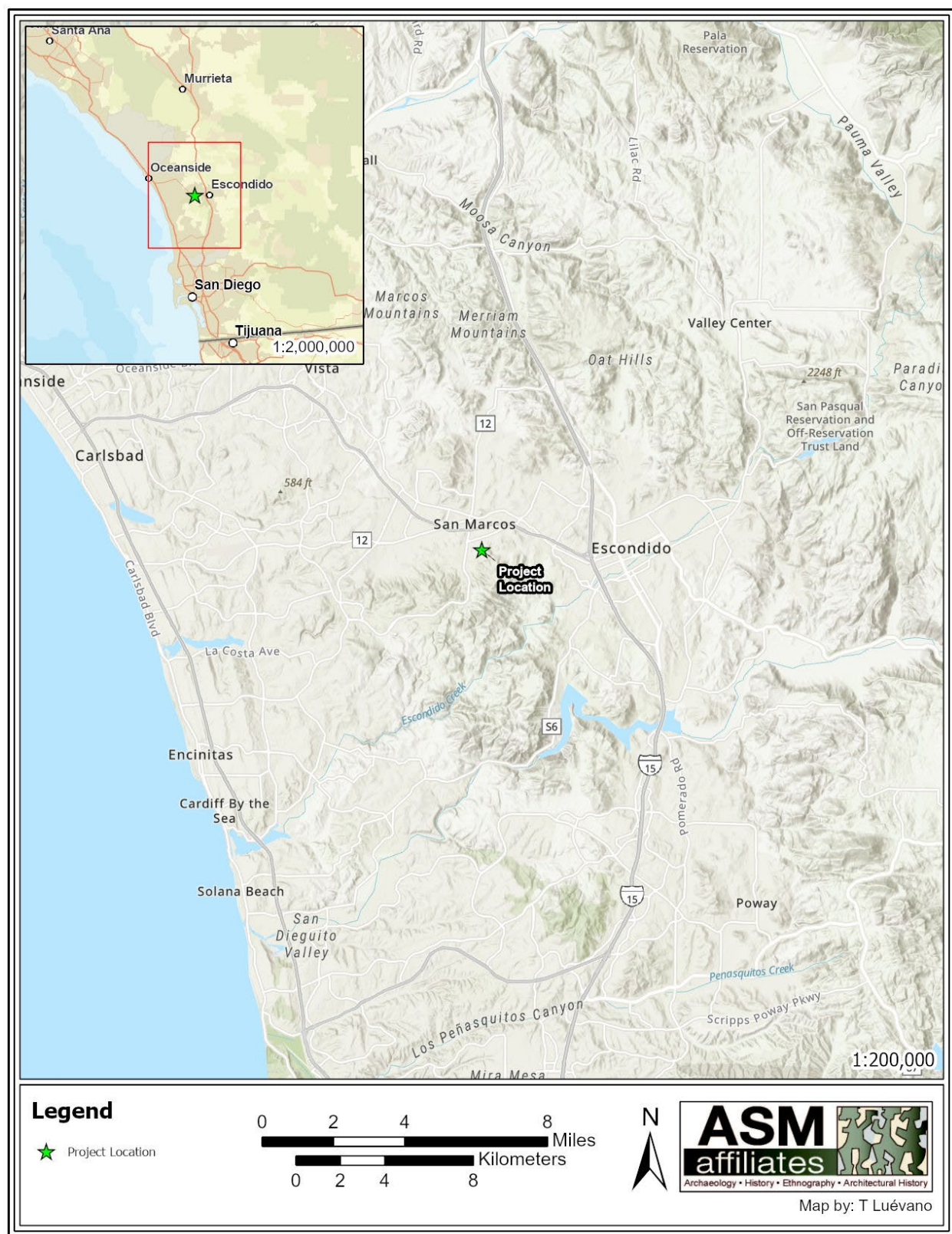


Figure 1. Project Vicinity Map.

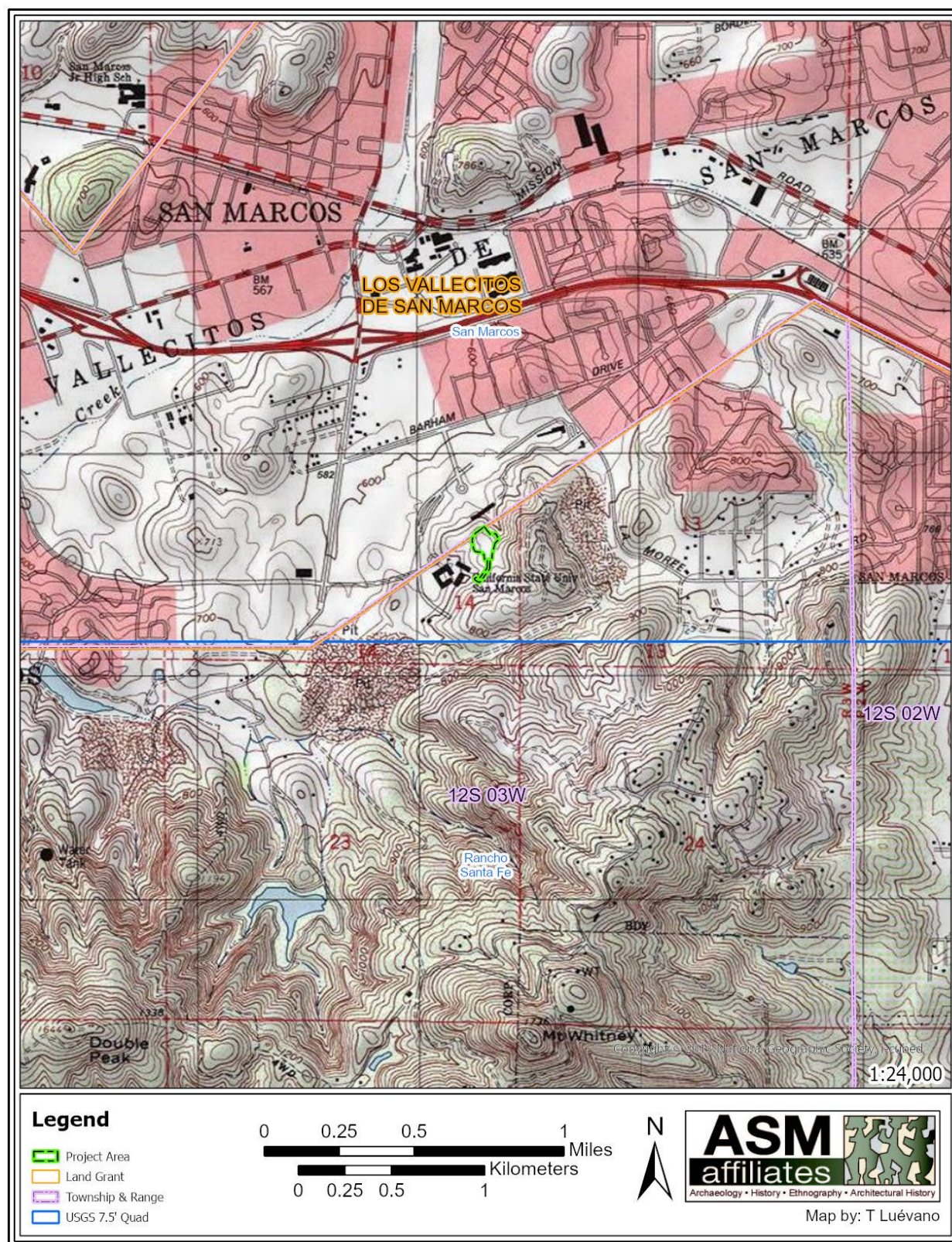


Figure 2. Project Location Map, USGS 7.5' Quad.

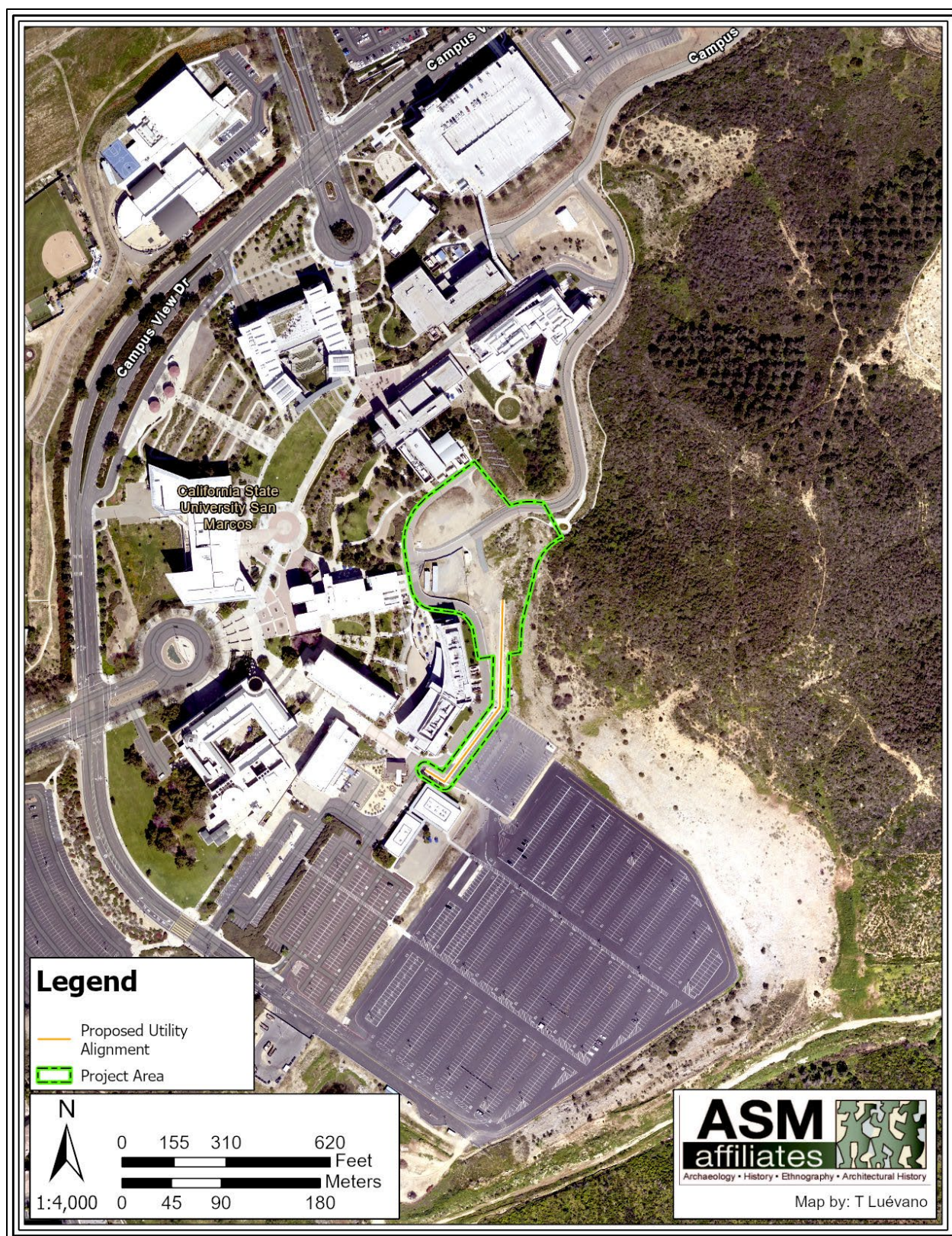


Figure 3. Project Area, aerial photograph.

2.0 PROJECT AREA SETTING

2.1 NATURAL SETTING

The study area lies on the coastal plain of San Diego County in the Coastal Province and western Peninsular Range Province (Griner and Pride 1976:15). The coastal strip has a 130-km-long shoreline and is comprised of raised Pleistocene marine and non-marine terraces ranging from 20 to 5 km in width (Weber 1963). Cretaceous, Tertiary, and Quaternary marine and non-marine sedimentary deposits define these terraces, which have been extensively modified by erosion.

Drainages of varied catchment size are closely spaced along the coast, and lagoons have formed at the mouths of many of these rivers. The southern third of the San Diego County coastline is dominated by Tijuana Lagoon, San Diego Bay, and Mission Bay, while the central portion includes six main drainages, mostly with small catchments and associated lagoons. The northern third of the county's coastline extends from the San Luis Rey River to San Mateo Creek and encompasses Marine Corps Base Camp Pendleton and three of the county's four largest drainage catchments. The San Marcos area is part of the central coastal plain.

The coastal plain is characterized by a Mediterranean semiarid steppe climate (Bowman 1973; Hines 1991:4). Precipitation ranges from 225 to 400 mm per year and is concentrated in the winter (from December to April). The prominent vegetation throughout the area is coastal sage scrub (Munz 1974), and important associated species include buckwheat (*Eriogonum fasciculatum*), black sage (*Salvia mellifera*), white sage (*Salvia apiana*), sugar bush (*Rhus ovata*), squaw bush (*Rhus trilobota*), and laurel sumac (*Malosma laurina*). In the valley floors, freshwater marsh species include cattail (*Typha*), spike-rush (*Eleocharis* sp.), and bulrush (*Scirpus* sp.), while common salt marsh plants include pickleweed (*Salicornia virginica*), salt grass (*Distichlis spicata*), and sea lavender (*Limonium californicum*). Willow (*Salix* sp.), cottonwood (*Populus fremontii*), and sycamore (*Platanus racemosa*) trees are common in valley floor riparian habitats.

2.2 CULTURAL SETTING

ARCHAEOLOGICAL CONTEXT

Archaeological fieldwork along the southern California coast has yielded a diverse range of human occupation extending from the terminal Pleistocene into the Ethnohistoric period (Erlandson and Colten 1991; Jones 1992; Moratto 1984). A variety of different regional chronologies, often with overlapping terminology, have been used in coastal southern California, and they vary from region to region. Today, the prehistory of San Diego County is generally divided into three major temporal periods: Paleoindian, Archaic, and Late Prehistoric. These time periods are characterized by patterns in material culture that are thought to represent distinct regional trends in the economic and social organization of prehistoric groups.

PALEOINDIAN PERIOD

The antiquity of human occupation in the New World has been the subject of considerable debate over the last few decades. A widely accepted model is that humans first entered the western hemisphere between 12,000 and 15,000 years B.P. While there is no firm evidence of human occupation in coastal southern California prior to 12,000 B.P., dates as early as 23,000 B.P. and

even 48,000 B.P. have been reported (Bada et al. 1974; Carter 1980; Rogers 1974). The amino acid racemization technique used to date these sites has been largely discredited, however, by more recent accelerator radiocarbon dating of early human remains along the California coast (Taylor et al. 1985). Despite intense interest and a long history of research, no widely accepted evidence of human occupation of North America dating prior to 15,000 B.P. has emerged.

The Paleoindian period begins with Clovis occupation, a widespread phenomena in North America. Noted for its distinctive tool kit characterized by fluted points, Clovis occupation dates to the end of the Pleistocene, from 11,200 B.P. to 10,600 B.P. (Meltzer 1993). The Paleoindian period in San Diego County is considered to date to the terminal Pleistocene and the early Holocene, from at least 10,000 B.P. to 8500/7500 B.P. (Moratto 1984; Warren et al. 2008). Although no Clovis sites are documented in the region, occasional isolated fluted points have been recovered. A variety of terms have been proposed for Paleoindian assemblages in the southern California region. Rogers, the first to temporally order the archaeological assemblages of the region, introduced and later discarded the terms Scraper-Makers, Malpais and Playa to label early lithic industries of the region (see Warren 1967 for a comprehensive review). Rogers (1939, 1945) then coined the term San Dieguito, still widely used today, to refer to the earliest artifact assemblages in San Diego County. San Dieguito assemblages are composed almost entirely of flaked stone tools, including scrapers, choppers, and large projectile points (Warren 1987; Warren et al. 2008). Until recently, the near absence of milling tools in San Dieguito sites was viewed as the major difference between Paleoindian economies and the lifeways which characterized the later Archaic period.

The terminal Pleistocene San Dieguito adaptation occurred within a climatic period of somewhat cooler and moister conditions than exist presently. The range of possible San Dieguito economic adaptations and the interpretation of the San Dieguito complex as a big game hunting tradition are based primarily on materials from the Harris Site (Ezell 1983, 1987; Warren 1966, 1967). Subsequently, it was hypothesized that differences between San Dieguito and the subsequent La Jolla artifact assemblages may reflect functional differences rather than temporal or cultural variability (Bull 1987; Gallegos 1987; Wade 1986).

ARCHAIC PERIOD

The Archaic period (similar to the Encinitas tradition and the Millingstone horizon) began between 9,000 and 8,500 years ago and ended between 1,300 and 800 years ago (Gallegos 1992; Moratto 1984; Rogers 1966; Warren et al. 2008). A distinction is often made between coastal shell midden sites (La Jolla complex) and inland non-shell midden sites (Pauma complex). Shell middens are generally characterized by flaked cobble tools, basin metates, manos, discoids, and flexed burials. Three temporal phases have been distinguished within the Archaic period (Warren et al. 2008).

Initial Archaic exploitation of the San Diego area littoral zone is generally considered to have entailed sizable semisedentary populations focused around resource-rich bays and estuaries (Crabtree et al. 1963; Gallegos 1992; Shumway et al. 1961; Warren 1964, 1968; Warren and Pavesic 1963; Warren et al. 1961). Shellfish were interpreted as a dietary staple; plant resources (both nuts and grasses) were also an important dietary component, while hunting and fishing were less important. This adaptive strategy remained largely unchanged for several thousand years. According to Warren et al. (1961:25) "the La Jolla Complex reached its population and cultural climax between 7000 and 4000 years ago when there was a plentiful supply of shellfish in the

lagoons along the coast." Major changes in human adaptations occurred after 4,000 years ago when estuarine silting was considered to have become so extensive as to cause a decline in associated shellfish populations. A major depopulation of the coastal zone has been postulated, with settlements shifting inland to a river valley orientation, intensifying exploitation of terrestrial small game and plant resources, possibly including acorns (Christenson 1992; Crabtree et al. 1963; Gallegos 1985, 1987, 1992; Masters and Gallegos 1997; Rogers 1929b:467; Warren 1964, 1968; Warren and Pavesic 1963; Warren et al. 1961). The coast was abandoned or only seasonally occupied, with a possible slight increase in coastal occupation after 1,600-1,200 years ago.

LATE PREHISTORIC PERIOD

The Late Prehistoric period is generally considered to have begun between 1,300 and 800 years ago (Moratto 1984; Rogers 1945; Warren et al. 2008) or the equivalent of between A.D. 700 and 1250. Local regional cultural complexes have been distinguished between the northern area (San Luis Rey complex), southern coastal area (Yuman complex), and the southern inland area (Cuyamacha complex). In general, this period was characterized by the appearance of small pressure-flaked arrow points (Cottonwood Triangular and Desert Side-notched points) indicative of bow and arrow technology, the appearance of ceramics, the replacement of flexed inhumations with cremations, the possible appearance of the mortar and pestle, and an emphasis on inland plant food collecting and processing, especially of acorns (Christenson 1990; McDonald and Eighmey 2008; Meighan 1954; Rogers 1945; True 1966; Warren 1964, 1968). The precise timing of the introduction of these items is still debated due to the poor chronological resolution and bioturbation at multicomponent sites (Griset 1996; McDonald and Eighmey 2008). In addition, recent research is revealing the persistence of inhumations throughout most of the late Holocene in northern coastal San Diego.

Explanations for the origin of the Late Prehistoric period vary. Kroeber (1925:578) speculated that Uto-Aztecan-language speakers migrated from the deserts to the southern coast of California at least 1,000-1,500 years ago. Some archaeologists have embraced this hypothesis and correlated it with the origins of the Late Prehistoric period (Meighan 1954; Warren 1968). Rogers (1929a) initially discussed the Luiseño and Kumeyaay under the rubric of the Mission Indians, and distinguished them from earlier shell-midden and scraper-maker cultures. Rogers (1945) later argued for continuity in occupation from the Archaic to the Late Prehistoric period, and distinguished three phases of shell middens. He argued that the Kumeyaay culture of 500 years ago was the result of earlier migration of Yuman populations from the coast to the Colorado River (perhaps as the result of an influx of Shoshone populations in northern San Diego County), adaptation to this new riverine setting and adopting traits from adjacent populations in the Southwest, and subsequent movement back to the coast at the onset of the Late Prehistoric period. Subsequently, scholars have emphasized several cultural processes to explain Late Prehistoric cultural developments including: a chronological gap (Wallace 1955), cultural continuity and the addition of new traits (True 1966, 1970; Warren 1964, 1968), a population replacement (Bull 1987), or that several factors were at play.

The San Luis Rey complex in the northern inland area was defined by Meighan (1954), refined by True, and generally applied to the north coast region (True 1966; True and Waugh 1982, 1983; True et al. 1974, 1991). Meighan (1954:Table 2) suggested the San Luis Rey I phase began around A.D. 1400 and included small triangular arrow points, manos, portable metates, mortars, pestles, *Olivella* beads, and stone pendants. The San Luis Rey II phase differed only in the addition of

ceramics and pictographs around A.D. 1750. True (1993:17) further hypothesized that the lower portions of the San Luis Rey drainage had sedentary villages with limited use of marine resources. The Late Prehistoric period has been paradigmatically linked with the subsequent ethnohistoric record, and direct historical analogies assume considerable adaptive stability for populations, linguistic groups, and their territorial extent as documented by Europeans.

ETHNOGRAPHIC CONTEXT

The Post-Contact period began in A.D. 1769 with the Spanish establishment of the Mission San Diego de Alcalá. Yet Spanish explorers first encountered Native Americans in the San Diego area in A.D. 1542 when Cabrillo landed at Point Loma along San Diego Bay, and local inhabitants would have been negatively affected by protohistoric transmission of diseases via sea visits and through contact with Native Americans in the Baja California region. Portolá's A.D. 1769 expedition from San Diego to Monterey documented a series of Native American coastal villages in the San Diego area, typically situated along the region's major drainages (Carrico 1977). The subsequent establishment of the San Juan Capistrano Mission in 1776 and the San Luis Rey de Francia Mission in 1798 further impacted traditional coastal settlement systems. Acculturation, assimilation, and the introduction of Old World diseases greatly disrupted and reduced Native American populations, and by the early 1800s traditional coastal villages were largely abandoned (Carrico 2008). As a result, we know very little about traditional coastal life, except what can be gleaned from mission records. Nineteenth and twentieth-century ethnohistoric reconstructions provide only minimal insight into coastal adaptations – particularly with respect to such issues as cultural complexity, population densities, and regional interaction – and are built from the perspective of remnant inland populations and their occasional seasonal exploitation of a littoral zone dominated and largely controlled by European settlers.

From north to south, coastal San Diego was occupied by the Juaneño, Luiseño, and Kumeyaay Native American groups (Bean and Shipek 1978; Kroeber 1925:636; Shipek 1978). The Juaneño and Luiseño are Uto-Aztec speakers whose territory ranged from Agua Hedionda Lagoon (or possibly Batiquitos Lagoon) in the south to Aliso Creek in Orange County, to near Santiago Peak in the northeast, and to the Palomar Mountain area in the southeast. They are linguistically and culturally related to the Gabrielino and the Cahuilla (Bean and Shipek 1978; Sparkman 1908). The terms Juaneño and Luiseño are derived from association with the San Juan Capistrano and San Luis Rey missions respectively, along the coast. Kroeber (1925:636) recognized Juaneño as a dialect of Luiseño, while Bean and Shipek (1978:550) and White (1963:91) viewed the Juaneño as part of the Luiseño on the basis of cultural and linguistic similarities. As White (1963:19) succinctly stated: "Little or nothing is known about the coastal Juaneño-Luiseño," and hence the following ethnohistoric observations are largely based on inland Luiseño.

During this period, the Luiseño people had a fairly rigid social structure and a moderately high population density (Bean and Shipek 1978). Maximum population estimates at Spanish contact range from 5,000 (Kroeber 1925) to 10,000 (White 1963). With a territory extending for almost 4,000 km², maximum population density estimates range from 1.25 to 2.5 persons per km² (3.3 to 6.7 persons per mi²). White (1963) estimated that the Luiseño included approximately 50 villages of 200 individuals each, while Oxendine (1983), using Portolá expedition observations, indicated that village size was closer to 60. Recent research with mission records suggests that village size

varied significantly in the eighteenth century, with larger villages such as Topome along the Santa Margarita River consisting of multiple clans (Johnson and Crawford 1999).

The Luiseño are divided into several autonomous lineages or kin groups based on patrilineal descent groups and a patrilocal residential pattern. Each Luiseño lineage is based around an autonomous village that held collective ownership over a well-defined territory for hunting and gathering, and violations of trespass were punished (Bean and Shipek 1978). Village territories may have ranged from as little as 10 km² near the coast along major drainages such as the San Luis Rey River (Oxendine 1983:45) to as much as 100 km² elsewhere (White 1963). A variety of shorter-term residential camps (such as for acorn gathering) and specialized localities occurred within each village territory (Oxendine 1983; White 1963). There are varied estimates for the length of the annual stay at the main village, and True et al. (1974) have even suggested a bipolar pattern with two permanent base camps, one in a major valley and another in the mountain region.

Notably, strong differences in social status, ascribed leadership roles, and elaborate ritual paraphernalia existed (Bean and Shipek 1978; Sparkman 1908). Leadership includes hereditary chiefs and council members who have specialized knowledge and authority over specific religious, economic, and warfare issues. Leaders conduct elaborate ceremonies; ritual and ceremonial specialists maintained ceremonial knowledge in secrecy and passed on the knowledge to only one heir (White 1963; Winterrowd and Shipek 1986). These leaders and specialists made use of fenced-in ceremonial structures, located in the village center.

Economic activities take place on the community and the extended household level, and varied significantly between coastal and inland areas (Bean and Shipek 1978:552). Community-wide efforts included fire management for game drives, and systematic use of fire to facilitate grasslands and increase yields of key plants and animals. Such burning was regularly mentioned in early Spanish accounts (Bean and Lawton 1976; Blackburn and Anderson 1993). Acorns, gathered in upland areas, have been considered the most important food source. Seeds from grasses, manzanita, sage, sunflowers, lemonade berry, chia, and other plants were also used, along with various wild greens and fruits. Deer, antelope, small game, and birds were exploited. Coastal marine animals utilized as food included sea mammals, fish, crustaceans, and mollusks. Near-shore fishing was done from light balsa reed or dugout canoes. Some accounts indicate that coastal communities exploited local shellfish in the winter (Sparkman 1908; White 1963), and during times of stress the interior Luiseño traveled to the coast to obtain shellfish, fish, and even some land mammals (White 1963). Bean and Shipek (1978) noted that most inland groups also had fishing and gathering locations on the coast which they visited annually when the tides were low or when the inland resources were scarce, typically from January through March.

Rigid gender division of labor did not exist, but women generally collected plant resources and men hunted (Bean and Shipek 1978). Houses were dispersed throughout villages. Lowland village houses were conical structures covered with tule bundles, and other structures included sweathouses, ceremonial enclosures, ramadas, and acorn granaries. Domestic implements included wooden utensils, baskets, ceramic cooking and storage vessels, and milling tools. Hunting implements included bow and arrow, curved throwing sticks, nets, and snares. Nets and hooks made of shell and bone were used for fishing.

PROJECT SEPCIFIC ETHNOGRAPHIC CONTEXT

Villages were often located in sheltered areas in valley bottoms, along streams, or along coastal strands near mountain ranges. Along with being located near water sources, keeping in mind that modern development has drastically changed the presence and frequency of water sources (Oxendine 1983). While no placenames or villages were identified as being directly associated with the Project area there are several in the larger vicinity of the Project (Oxendine 1983). Many place names have multiple possible spellings and meanings derived from different sources. Nearby place names include Panakara and Mehel-om-pom-pauvo to the south and multiple habitation areas along the San Luis Rey River watershed to the north including Wiasamai, (a village east of Mission San Luis Rey) Wagaumaj (village site near Guajome), Kwalam (village site along the San Luis Rey River) and Tomkav (village at Monserrate).

In addition to placenames there are several habitation areas in the larger vicinity of the Project area. SDI-5633, located approximately two and a half miles northwest of the Project area, was identified as a habitation or specialized area (Gallegos and Associates 2002). A data recovery at SDI-5633 placed the occupation of the site circa A.D. 1170 to A.D. 1690. The site also contains evidence of an earlier occupation, likely during the Archaic Period, based on the presence of large milling tools and Coso obsidian. It was identified as a habitation area used primarily for hunting and for projectile point production and milling of plant seeds. W-1556 / SDI-5641, located approximately two and one-tenth miles northwest of the Project area, is recorded as a habitation site consisting of an artifact laden midden soil overlooking the San Marcos Valley flood plain. The site contained an extensive artifact deposit with hearths, milling features, and human remains. SDI-11068A/B (known as the Twin Oaks Valley Ranch site), located approximately three and three-twentieth miles north of the Project area, contained large amount of shell fragments and fish bone, bedrock milling features, also contains a high number of ceramics and ceramic types, bow pipes, effigies and a wide variety of milling implements (Gallegos and Schroth 1993).

Other major habitation areas within the region include SDI-9822 (known as the Deer Springs Site) located approximately five and sixth-tenths miles northeast of the project area included a red pictograph that also contained pecking. SDI-12,209, located approximately three miles to the southeast contains a habitation area with significant subsurface deposits and a rock art panel, showing this habitation area was an important location along Escondido Creek.

HISTORICAL CONTEXT

Although the earliest historical exploration of the San Diego area can be traced to 1542 with the arrival of the first Europeans, particularly the exploration of San Miguel Bay by Juan Rodriguez Cabrillo, the widely accepted start of the historical period is 1769 with the founding of the joint Mission San Diego de Alcalá and Royal Presidio. On July 20, 1769, Father Juan Crespí arrived in the San Luis Rey River Valley with the Portolá expedition to Monterey. His report back to his superiors declaring it an ideal location for a mission led to the eventual founding of Mission San Luis Rey de Francia, the eighteenth California mission (Pourade 1961:115). The mission was formally dedicated June 13, 1798. Named for King Louis IX of France, this mission became known as the 'King of Missions' due to its size and success. At its height, San Luis Rey became one of the most populous and successful of the missions. In 1824, it had an Indian neophyte population

of 3,000, and the extensive mission lands supported 1,500 horses, 2,800 sheep and 22,000 cattle (Pourade 1961:139).

Mexico won independence from Spain in 1821, and, with it, the process of dismantling of the mission system began to unfold. The 1833 Secularization Act passed by the Mexican Congress ordered half of all mission lands to be transferred to the Indians and the other half to remain in trust and managed by an appointed administrator. These orders were never implemented because of several factors that conspired to prevent the Indians from regaining their patrimony. By 1835, the missions, including Mission San Luis Rey, were secularized. The remaining lands of San Luis Rey were sold in 1846 to José Cota and José A. Pico by Pío Pico, Governor of California, and the Luiseño converts who had lived around the mission were removed to nearby Pala (Hawthorne 2000).

Before secularization of the missions, San Marcos was one of the cattle-grazing tracts claimed by Mission San Luis Rey. During the 1840s, when many land grants or ranchos were issued, Governor Juan Bautista Alvarado granted the 8,877-acre Rancho Los Vallecitos de San Marcos (the Little Valleys of St. Mark) to Don José María Alvarado in 1840. Don José married Lugarda Osuna, daughter of the owner of San Dieguito Rancho, Don Juan María Osuna (Moyer 1969:22; Musser and the San Marcos Historical Society 2014:13-14).

In 1846, shortly after the Battle of San Pasqual, Don José and ten other rancheros were captured and taken to a ranchería at Agua Caliente where they were slain (Moyer 1969:22; Bibb 1976). Lugarda later married Luis Machado, the owner of Rancho Buena Vista. It is unclear who owned Rancho Los Vallecitos de San Marcos in the years following her marriage, but, in 1851, Lorenzo Soto filed a claim for the rancho with the newly established United States Land Commission (Moyer 1969:22; Musser and the San Marcos Historical Society 2014:14). Soto officially acquired the 8875.83 acres on March 1, 1883 (General Land Office 1883). Cave J. Coutts, a former Army officer and owner of the adjacent Rancho Guajome and Buena Vista, later came into possession of the ranch (Musser and the San Marcos Historical Society 2014:15).

The transcontinental railroad was completed in November 1885, resulting in an unprecedented real estate boom for San Diego City and the surrounding County. The population of San Diego soared in the mid-1880s from a total population of 5,000 in 1885 to 40,000 in 1889 (MacPhail 1979). Settlers poured into San Diego, lured by real estate promotions offering a salubrious climate, cheap land, and the potential to realize great profits in agriculture and real estate. Speculators formed land companies and subdivided townsites throughout the county (Pourade 1964:167-191). The real estate boom also stimulated demand for agricultural land in the county, and the number of farms increased from 696 to 2,747 between 1880 and 1890 (Schaefer et al. 1994). This boom brought homesteaders to the San Marcos area. San Marcos was typical of the small agricultural communities that grew up in the hinterland of San Diego, characterized generally by widely dispersed settlements that were united by a common school district, post office, church and general store (Van Wormer 1986a, 1986b, 1987).

Major Gustavus French Merriam, from Topeka, Kansas, made the first permanent American settlement in the San Marcos area. Merriam homesteaded 160 acres in the north Twin Oaks Valley and began wine and honey production. German and Dutch immigrants began moving into the area

in the early 1880s. In 1883, a few miles south of the settlement, John H. Barham founded the first town in the area, calling it Barham. By 1884, the town of Barham had a post office, blacksmith, feed store, and a weekly newspaper (City of San Marcos 2004). William Webster Borden published the town's first newspaper called *Our Paper* and later *The Plain Truth* (Sherman 2001:44).

In 1887, Cave Cout's widow sold San Marcos Ranch to O. S. Hubbell, and he sold it to the San Marcos Land Company headed by Jacob Gruendike, a San Diego Banker, and his associate W. G. Jacobs. The San Marcos Land Company had been formed with the intention of developing a townsite. The company laid out a townsite near the intersection of Grand Avenue and Rancho Santa Fe Road with 5- to 10-acre plots. A number of houses were built in addition to a hotel, post office, and several stores. In 1892, there were 87 registered voters. In the late 1880s, the Santa Fe Railroad announced that it was going to lay tracks going through the valley. To the disappointment of the citizens, the tracks were laid one mile away from the center of the town. The old town was abandoned in 1901, and many of the buildings were moved to the intersection of Mission and Pico (Moyer 1969:22-24). By 1905, the new town had every convenience, including rural mail delivery and telephone service. In 1889, the first school in the area, which was started in Barham in 1880, moved to San Marcos. Later that same year, the Richland School was built, becoming the second school in San Marcos (City of San Marcos 2004). San Marcos remained a quiet rural town through the first half of the twentieth century.

Agriculture dominated the local economy from the late 1800s until the mid-1900s, and that economy was dependent on dairies and poultry production (Musser and the San Marcos Historical Society 2014). However, during the late 1920s, a new business envisioned and created by northern Californians was developed in San Marcos. Donly Gray, an olive grower and nurseryman, sold Mulberry bushes at his nursery in Marysville. After studying the market for silk and its production using mulberry bushes, he sought out financial backing to develop a silkworm production operation. Glenn Hurst, a San Francisco businessman, and his collective of businessmen provided the financial capital for the silkworm project, and they organized as the American Silk Inc. in 1926. After considering locations within Southern California, they decided on San Marcos and purchased 367 acres of land at present-day Mission Road and Mulberry Drive. In 1926, Donly Gray led the efforts for planting 45,000 mulberry trees to feed ravenous silkworms. The following year the company opened its 50,000-square-foot silkworm mill, where workers incubated and hatched worm eggs imported from France, Italy, Turkey, Egypt, and Sudan. The facility was the largest building in San Marcos, and, at one point, 100 employees worked in the building. Although the company began making silk stockings in 1930, the effects of the Great Depression and competition from Asia and Europe meant the enterprise did not get much farther than an experimental phase. Despite an attempt to restart the operations in the mid-1930s, the operations were not revived, and the company was bankrupt (Musser and the San Marcos Historical Society 2014:59-61; Rossi 2006). Dairies and poultry farms continued to be the economic mainstay of the unincorporated area.

Population growth in San Marcos, and many other unincorporated areas in the county, had been constrained by the lack of water resources in the region. The arrival of Colorado River water in the city in 1956, supplementing the existing local water supply, was a big boon to the area. After the arrival of water, several small businesses started, and the population rapidly increased to 2,500.

In an effort to safeguard its water rights from Escondido, the town of San Marcos, with a population of 3,200 residents, was incorporated on January 28, 1963. Through the 1960s, the City grew by a few thousand new residents, but, in the 1970s, San Marcos was flourishing as the third-fastest growing city in the state with a population of 17,479 by 1980. During the 1980s, San Marcos almost doubled its population to 33,800. Growth has continued to boom in San Marcos, and the present population of the City is 67,426 (City of San Marcos 2004; Musser and the San Marcos Historical Society 2014:77-90).

A Brief Land-Use History of Project Area (APN 221-67-002 and 221-67-003)

The Project area was part of the 8,877-acre Rancho Los Vallecitos de San Marcos (the Little Valleys of St. Mark) granted to Don José María Alvarado in 1840 and was confirmed to Lorenzo Soto on March 1, 1883 (General Land Office 1883). The earliest-available aerial images of the Project, dating to 1947, appear to show undeveloped land (NETR Online n.d.). The broader general vicinity farther away from the immediate Project area is agricultural activities and dirt roads. No changes appear until 1964, at which point agricultural activities expand to the Project area. The agricultural activities remain constant in the aerials until 1990, at which point the Project area and general vicinity switch from agricultural to being the barren dirt indicative of construction grading. Further aerial photos after 1990 show the continued expansion of grading activities along with the construction of buildings eventually comprising the current day layout of California State University San Marcos. This includes a 2003 aerial showing regrowth of vegetation in the Project area, and a second grading of the Project area in a 2005 aerial. The most recent aerial shows modern development surrounding the Project area, with the exception of an undeveloped hillside to the immediate east.

3.0 RESEARCH DESIGN

The primary objectives of the study with respect to prehistoric and historic archaeological resources were straightforward: to identify and document all the resources that are detectable through surface observations. For the research design, the field requirements are (1) that survey coverage include all portions of the study area that can safely be covered and that offer some realistic prospects for containing identifiable resources (excluding, for instance, areas with very steep slopes, flooded areas, areas with no ground surface visibility, or areas where modern construction has destroyed or buried the natural ground surface), and (2) that the spatial extent and general character of any identified resources be documented according to the prevailing professional standards.

4.0 STUDY METHODS AND RESULTS

4.1 RECORD SEARCH AND LITERATURE REVIEW

A CHRIS records search request was conducted at the SCIC, San Diego State University on February 22, 2024, in order to assess the presence or absence of cultural and historic resources within the Project area and a one-mile radius. The records search confirmation is provided in Appendix A. Table 1 provides a summary of the archaeological sites previously recorded within one mile of the Project. The SCIC records search indicated that there are 29 previously recorded cultural resources within a one-mile radius of the project location with no cultural resources previously recorded within the proposed project area.

Table 1. Previously Recorded Archaeological Sites within 1-Mile of the Project Area
(Sites within Project Area are in Bold)

Primary No. P-37-	Trinomial CA-SDI-	Principal Recorder(s) (Year)	Description/ Comments	Proximity to Project
000560	000560	True (No Date on DPR)	Village or campsite on knoll overlooking San Marcos.	0.66 mi.
008328	008328	Pierson (1980)	Two isolated lithic flakes.	0.75 mi.
008329	008329	Pierson (1980)	Bedrock milling features.	0.70 mi.
008386	008386	Gallegos & Associates (2007); James (Oct. 1996); Unspecified Recorder (April 1996); Moriarty and Pierson (1980)	Small bedrock milling station.	0.99 mi.
008720	008720	Castells (2014); Gunderman (2011); Bissell (1991); Carillo and Price (1981)	Single milling slick recorded in 1981. Not relocated since initial recording due to exfoliation.	0.80 mi.
010896	010896	Shackley et al (1988)	Granitic bedrock outcrop and associated artifacts.	0.76 mi.
012095	012095	Gallegos & Associates (2007); Pignoli and Rader (1991);	Early period lithic scatter/temporary camp tested and identified as not significant. Destroyed through mass grading as of 2001.	0.62 mi.
012096	012096	Gallegos and Associates (2007); Briggs and Pignoli (1991)	Historic trash deposit and rock wall. Destroyed by residential development as of 2001.	0.82 mi.
012097	012097	Gallegos & Associates (2007); Garnsey (2006); James et al. (1996); Briggs and Pignoli (1991)	Bedrock milling site. Destroyed by residential development as of 2001.	0.21 mi.
012098	012098	Pignoli and Briggs (Nov. 1991); Bissell (June 1991);	Lithic scatter.	0.83 mi.
014077	014025	Schultz et al. (1995);	Lithic scatter.	0.80 mi.
014081	–	Thornton (1994)	San Marcos Forest Fire Station.	0.92 mi.

4.0 Study Methods and Results

Primary No. P-37-	Trinomial CA-SDI-	Principal Recorder(s) (Year)	Description/ Comments	Proximity to Project
015578	–	James et al. (1996)	Isolate (Mano).	0.86 mi.
015595	014340	Gallegos & Associates (2007); James et al. (1996);	AP2. Lithic Scatter; AP4. Bedrock Milling; AP15. Habitation Debris. Site previously tested and identified as not significant in 2001; graded road bisecting the site as of 2007.	0.95 mi.
027375	017896	Pham et al. (2017); Tift and Hovland (2005)	Prehistoric bedrock milling feature with three milling slicks. Site evaluated and determined not eligible (CRHR) and not significant (CEQA) in 2017.	0.64 mi.
027377	017898	Pham et al. (2017), Tift and Hovland (2005)	Concrete pad and associated chimney like structure. Site evaluated and determined not eligible (CRHR or Local Register) and not significant (CEQA).	0.69 mi.
030379	–	Dalope (2008)	AH2. Foundations/Structure Pads; AH6- Water conveyance system (Chicken coop foundation and a drain).	0.75 mi.
030380	–	Dalope (2008)	AH2. Foundations/Structure Pads (chicken coop foundations).	0.94 mi.
030654	019473	Gunderman (2011); Sivba et al. (2006)	AP2. Lithic Scatter Site tested and determined not a significant resource in 2006.	0.92 mi.
030655	019474	Gunderman (2011); Laylander (2007); Sivba et al. (2006)	AP2. Lithic Scatter Combined with SDI-017423. SDI-17423 portion tested and determined eligible for the CRHR in 2007.	0.84 mi.
030656	019475	Sivba et al. (2006)	AP2. Lithic scatter	0.63 mi.
030657	–	Sivba et al. (2006)	AP16. Isolate	0.65 mi.
030745	019524	Giletti et al. (2009)	AP2. Lithic scatter; AP3 Ceramic scatter	0.74 mi.
033557	–	Stringer-Bowsher (2018);	HP37. Highway (Highway 395)	0.84 mi.
033844	021254	Castells et al. (2015); Quach and Stringer-Bowsher (2014);	HP2. Single Family Property Residential structure ruins. Evaluated as not eligible for the CRHR in 2014 and 2015, but found significant for CEQA in 2015.	0.86 mi.
035439	–	Blake and Tsunoda (2015)	AP16. Isolate	0.81 mi.
036501	022095	Pham et al. (2017)	AH2. Foundation/Pad	0.76 mi.
039597	023151	Brian F. Smith & Associates (2021)	AP2. Lithic Scatter	0.74 mi.
039617	023161	Smolik and Griffin (2018);	AP4. Bedrock Milling Feature; AH2. Foundations/Structure Pads; AH3. Landscaping; AH4. Privies/Dumps/Trash Scatters; AH7: Roads/Trails; AH11. Walls/Fences Tested and determined ineligible for CRHR and NRHP in 2018.	0.85 mi.

Table 2 provides a summary of the historic addresses previously recorded within one mile of the Project area. The one historic address is outside of the Project area.

Table 2. Previously Recorded Historic Addresses within 1-Mile of the Project Area

Primary No. P-37-	Address	Year Built	Description	Proximity to Project
None listed	236 Pico Avenue, San Marcos, CA 92069	1939	San Marcos Forest Fire Station Gas & Oil House (BERD Code 4CM)	0.96 mi.

Table 3 provides a summary of the previous studies that have been conducted within one mile of the Project. In total, 72 studies have been conducted within one mile of the current Project site, but only five studies intersect a portion of the Project area.

Table 3. Summary of Previous Studies Conducted within 1-Mile of the Project Area
(Reports within Project Area are in Bold)

NADB No.	SHPO ID	Year	Author(s) or Publisher	Title	Proximity To Project
1120039	SD-00039	1983	Caltrans	Negative First Addendum Twin Oaks Valley Road 11-SD-78 P.M. 12.7-13.1 11209-147501	0.53 mi.
1120225	SD-00225	1976	WESTEC Services, Inc.	Archaeological Sensitivity and Potentiality Survey for Richland Neighborhood Study San Marcos, California.	0.80 mi.
1120302	SD-00302	1989	RMW Paleo Associates	Cultural Resources Reconnaissance of the Discovery San Marcos Parcel, 260 Acres in San Marcos, San Diego County, California.	0.82 mi.
1120372	SD-00372	1986	RMW Paleo Associates	Archaeological Reconnaissance of the San Marcos Creek Flood Channel Project, San Marcos, San Diego County, California	0.77 mi.
1120684	SD-00684	1985	RECON	Archaeology Survey of the Prohoroff Property San Marcos, California.	Intersects Project
1121031	SD-01031	1983	WESTEC Services, Inc.	Archaeological Report for Business/Industrial, Richmar, Lake San Marcos and Barham/Discovery Community Plan, San Marcos, California	Intersects Project
1121732	SD-01732	1987	LSA Associates, Inc.	Cultural/Scientific Resources for the San Diego State University North County Center Master Plan San Diego County, California	Intersects Project
1121766	SD-01766	1980	Archaeological/Historical Research Services	Archaeological Survey and Test of the Shelly Group/San Marcos Project San Marcos, California	0.55 mi.
1121889	SD-01889	1980	Archaeological/Historical Research Services	An Archaeological Survey of the North County Christian Center Subdivision San Marcos, California	0.78 mi.
1122033	SD-02033	1979	American Pacific Environmental Consultants Inc.	Assessment District 76-2 of the San Marco County Water District Draft Environmental Impact Report	0.29 mi.

4.0 Study Methods and Results

NADB No.	SHPO ID	Year	Author(s) or Publisher	Title	Proximity To Project
1122043	SD-02043	1989	Micheal Brandman Associates, Inc.	Draft Environmental Impact Report San Marco Flood Control Channel San Marcos Creek/Las Posas Reach SCH #88061505	Intersects Project
1122246	SD-02246	1991	Roth and Associates	Cultural Resources Survey San Marcos Town Center 59.2 Acres San Marcos, California	0.57 mi.
1122285	SD-02285	1990	Scientific Resources Inc.	Archaeological Reconnaissance Report for Eden Valley Project Rancho Los Vallecitos De San Marcos San Diego County	0.99 mi.
1122368	SD-02368	1992	Recon	Cultural Resource Reconnaissance for University Center Business Park City of San Marcos	0.57 mi.
1122373	SD-02373	1992	Gallegos And Associates	Historical / Archaeological Survey for the Proposed Kaiser Permanente Medical Center	0.46 mi.
1122622	SD-02622	1991	RMW Paleo Associates	Cultural Resource Reconnaissance in Support of Proposed Flood Control Improvements to San Marcos Creek Within the City of San Diego California	0.65 mi.
1122946	SD-02946	1994	Gallegos & Associates	Cultural Resource Survey and Test Report for State Route 78 and Twin Oaks Valley Road Interchange, City of San Marco, San Diego County, California	0.62 mi.
1123821	SD-03821	1999	Gallegos And Associates	Cultural Resource Evaluation Report for the Oceanside-Escondido Bikeway Project San Marcos, California	0.81 mi.
1124105	SD-04105	1991	ERC Environmental and Energy Services Company (ERCE)	Cultural Resource Testing of CA-SDI-12095 Oceanside to Escondido Rail Project, San Marcos Loop Segment, San Marcos, California	0.63 mi.
1124107	SD-04107	1990	Archaeological Research Unit, University of CA, Riverside	Cultural Resources Assessment San Marcos Seventh-Day Adventist Church (TSM 359/Cup 90-100) San Marcos, San Diego County	0.94 mi.
1124114	SD-04114	1977	Recon	Draft Environmental Impact Report for Bright Skies Mobile Estates	0.98 mi.
1124441	SD-04441	1979	APEC	Archaeological Reconnaissance of San Marcos County Water District Proposed Assessment District 76-2, San Diego County, California	0.29 mi.
1124526	SD-04526	1992	Parsons Brinkerhoff Quade & Douglas, Inc.	State Route 78 Interchange Improvements at Las Posas Road and San Marcos Boulevard	0.61 mi.
1124652	SD-04652	2001	Gallegos & Associates	Cultural Resource Test Report for Oceanside - Escondido Rail Project Oceanside, California	0.82 mi.
1124744	SD-04744	1986	RMW Paleo Associates	Archaeological Reconnaissance of the San Marcos Creek Flood Channel Projects, San Marcos, San Diego County, California	0.72 mi.
1124783	SD-04783	1991	Roth and Associates	Cultural Resources Survey San Marcos Town Center	0.57 mi.
1126164	SD-06164	1998	Gallegos & Assoc.	Archaeological Testing of Prehistoric Sites CA-SDI-9280b, CA-SDI-14025, and CA-SDI-14026 for the Questhaven Road Widening Project San Marcos, California	0.75 mi.

4.0 Study Methods and Results

NADB No.	SHPO ID	Year	Author(s) or Publisher	Title	Proximity To Project
1126174	SD-06174	2000	Gallegos & Assoc.	Cultural Resource Survey Report for a Portion of the San Marcos Creek Flood Channel San Marcos, California	0.89 mi.
1126249	SD-06249	1990	ERC	Cultural Resource Survey of the Oceanside to Escondido Rail Project, San Marcos Loop Segment, San Marcos, California	0.31 mi.
1126622	SD-06622	1999	Gallegos & Assoc.	Cultural Resource Survey Report for the Mission Cove Property, San Marcos, California	0.96 mi.
1127664	SD-07664	1980	Archaeological Consulting & Technology	Archaeological Reconnaissance and Subsurface Testing of the Discovery San Marcos Project, San Marcos, Ca	0.80 mi.
1127729	SD-07729	2000	CDF	Management Plan for CDF's Historic Buildings and Archaeological Sites	0.24 mi.
1127751	SD-07751	1994	Mark Thornton	A Survey and Historic Significance Evaluation of the CDF Building Inventory	0.95 mi.
1128758	SD-08758	1980	HCH & Associates	Palos Vista General Plan Amendment Draft Environmental Impact Report	0.99 mi.
1129041	SD-09041	2002	Kyle Consulting	Cultural Resource Assessment for Cingular Wireless Facility SD849-01, San Diego County, California	0.41 mi.
1129503	SD-09503	2005	Affinis Environmental	University Place Due Diligence - Archaeological Survey (Affinis Job #2020)	0.30 mi.
1129546	SD-09546	2001	Gallegos & Associates	Cultural Resource Test Report for Oceanside-Escondido Rail Project Oceanside, California	0.33 mi.
1129555	SD-09555	2002	Gallegos & Associates	Cultural Resource Survey for the Creekside Marketplace and Adjacent Retail Project San Marcos, California	1.00 mi.
1129611	SD-09611	2005	Affinis	Archaeological Resources Inventory for Southern Hills Pointe, Poway, San Diego County, California	0.30 mi.
1130243	SD-10243	2006	Michael Brandman Associates	Cultural Resource Records Search and Site Visit Results for Cricket Telecommunications Facility Candidate SAN-206 (Bolts 4 U), 201 Trade Street, San Marcos, San Diego County, California	0.46 mi.
1130398	SD-10398	2006	EDAW, Inc.	Historic Property Survey Report (HPSR) State Route 78 Woodland Parkway Interchange Project	0.75 mi.
1130551	SD-10551	2006	SWCA Environmental Consultants	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California	Intersects Project
1130590	SD-10590	2007	ASM Affiliates	Archaeological Study for the South Lake Park Master Plan, San Marcos, San Diego County, California	0.95 mi.
1131154	SD-11154	2007	ASM Affiliates, Inc.	An Archaeological Evaluation of Prehistoric Site CA-SDI-17423 for the San Marcos Creek Project, City of San Marcos, California	0.79 mi.
1132025	SD-12025	2005	Gallegos & Associates	Cultural Resource Survey for the Grand Avenue Bridge Project San Marcos, California	0.45 mi.

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NADB No.	SHPO ID	Year	Author(s) or Publisher	Title	Proximity To Project
1132039	SD-12039	2007	Gallegos & Associates	Cultural Resources Monitoring Report for the North County Transit District (NCTD) Sprinter Rail Project Oceanside to Escondido, California	0.33 mi.
1132271	SD-12271	2009	Affinis	Archaeological Resources Study, Barham Rough Grading Project, San Marcos, San Diego County, California	0.30 mi.
1132335	SD-12335	2009	Mckenna et al.	Historic American Building Survey: San Marcos Historical Society, 270 W. San Marcos Blvd. San Marcos, San Diego County, California 92069	0.94 mi.
1132336	SD-12336	2009	Mckenna et al.	Historic American Building Survey: San Marcos Elementary School, 300 W. San Marcos Blvd. San Marcos, San Diego County, California 92069	0.94 mi.
1132834	SD-12834	2010	Affinis	Barham Rough Grading Project Archaeological Monitoring	0.30 mi.
1133212	SD-13212	2011	ASM Affiliates	Authorization for the San Marcos South Lake Park Master Plan Project, City of San Marcos, San Diego County, California	0.82 mi.
1133222	SD-13222	2011	U.S. Army Corps of Engineers	Section 404 Authorization for the San Marcos South Lake Park Master Plan Project, City of San Marcos (File No. SPL-2009-00040-MLM), San Diego County, California	0.82 mi.
1133495	SD-13495	2011	ASM Affiliates	Cultural Resource Study for the UOMP Project, San Diego County, California	0.65 mi.
1134029	SD-14029	2012	ASM Affiliates, Inc.	Cultural and Historical Resource Survey Report for the Rancho Coronado Project, City of San Marcos, San Diego County, California	0.63 mi.
1134041	SD-14041	2011	ASM Affiliates, Inc.	Treatment Plan for 918 Discovery St. in Anticipation of Relocation, San Marcos, California	0.80 mi.
1134098	SD-14098	2009	ASM Affiliates, Inc.	A Cultural Resources Survey for the University District Project City of San Marcos, California	0.24 mi.
1134140	SD-14140	2003	Affinis	Archaeological Records Search and Literature Review, Vallecitos Water District Master Plan Update San Diego County, California	Intersects Project
1134581	SD-14581	2012	ASM Affiliates	Section 106 Consultation for the San Marcos Sewer Interceptor Project	0.73 mi.
1135669	SD-15669	2015	LSA Associates	Cultural Resource Assessment Class III Inventory, Verizon Wireless Services, La Moree Facility, City of San Marcos, County of San Diego, California	0.92 mi.
1136428	SD-16428	2014	Affinis, HELIX Environmental	Cultural Resources Inventory and Assessment: Valiano, San Diego County, California, Case Number PDS2013-SP-13-001, PDS2013-GPA-13-001, PDS2013-STP-13-003, PDS2013-TM-5575, PDS2013-REZ-13-001, PDS2013-ER-13-08-002	0.98 mi.
1136429	SD-16429	2015	HELIX Environmental	Cultural Resources Survey and Assessment: Valiano, San Diego County, California	0.98 mi.

NADB No.	SHPO ID	Year	Author(s) or Publisher	Title	Proximity To Project
1136556	SD-16556	2014	ASM Affiliates	Historic Resources Evaluation Report for Commercial Buildings at 304 and 312 Mission Road, San Marcos, California	0.85 mi.
1136565	SD-16565	2013	ASM Affiliates, Inc.	Cultural Resource Survey Report for the Heart of the City Specific Plan Amendment for Rancho Coronado, City of San Marcos, San Diego County, California	0.61 mi.
1136748	SD-16748	2017	ASM Affiliates	Archaeological Monitoring and Significance Evaluation of an Archaeological Discovery for the Mission 316 Project, San Marcos, San Diego County, California	0.86 mi.
1136753	SD-16753	2016	Brian F. Smith and Associates	Cultural Resources Monitoring Report for the Rancho Coronado Project (Tentative Tract TSM 15-006)	0.63 mi.
1136758	SD-16758	2016	Brian F. Smith and Associates	Phase I Cultural Resource Survey for the Cocos Drive Project City of San Marcos, California APN 222-330-01	0.40 mi.
1137176	SD-17176	2017	ASM Affiliates, Inc.	Cultural Resources Study for the Brookfield Residential Properties "MU-4 Area" Project, San Marcos, San Diego County, California	0.79 mi.
1137207	SD-17207	2014	ASM Affiliates, Inc.	Cultural Resources Study for the Corner@2Oaks Project, San Marcos, San Diego County, California	0.68 mi.
1137208	SD-17208	2017	ASM Affiliates, Inc.	Negative Cultural Resources Monitoring Report for the Corner@2Oaks Project, San Marcos, California	0.68 mi.
1137240	SD-17240	2017	Brian F. Smith & Associates, Inc.	Cultural Resources Monitoring Report for the Rancho Tesoro Project, City of San Marcos, San Diego County, California	0.64 mi.
1138020	SD-18020	2017	EBI Consulting	Archaeological Survey Report CSU San Marcos / SD0233 / FA 10546488, Northwest Corner of Craven Road and Campus View Drive, San Marcos, San Diego County, California, 92078, Not Part of PLSS	0.18 mi.
1138087	SD-18087	2011	ASM Affiliates	Updated Cultural Resources Study for the San Marcos Creek Specific Plan Area, San Marcos, California	0.89 mi.

4.2 NATIVE AMERICAN CORRESPONDENCE

On February 6, 2024, a Sacred Lands File search request was sent to the NAHC. The NAHC responded on February 8, 2024, and was negative. All correspondence regarding the NAHC is included in Appendix B. The NAHC response provided 29 Tribal contacts which may have more information on the Project area. ASM sent information request letters via email to the Tribal contacts on February 8, 2024, and again with an updated project description on February 13, 2024. Tribal contacts with invalid emails were sent hard copy letters via mail on February 14, 2024.

To date, five responses have been received from the Jamul Indian Village, the San Pasqual Band of Mission Indians, the San Luis Rey Band of Mission Indians, the Rincon Band of Luiseño Indians, and the Campo Band of Mission Indians.

An automatic away message was received from Cheryl Madrigal, Tribal Historic Preservation Officer of the Rincon Band of Luiseño Indians on February 8, 2024. An additional response was received on March 1, 2024, that Rincon has specific concerns about the project and would like to consult directly with the lead agency.

On February 8, 2024, Lisa Cumper, Tribal Historic Preservation Officer of the Jamul Indian Village, responded that the Jamul Indian Village defers to the wishes of a closer tribe, specifically Cami Mojado of the San Luis Rey Band of Mission Indians.

On February 9, 2024, Angelina Gutierrez, Tribal Historic Preservation Office Monitor Supervisor, of the San Pasqual Band of Mission Indians responded that the Project falls within boundaries of the Tribe's Aboriginal Territory. San Pasqual would like to engage in formal government-to-government consultation under CEQA. San Pasqual would appreciate being given access to cultural resource reports that have been, or will be, generated during the environmental review process. San Pasqual can provide cultural monitoring for the project.

On February 12, 2024, Cami Mojado, Secretary of Government Relations for the San Luis Rey Band of Mission Indians, responded to ASMs information request letter by requesting a phone call to share information with ASM about cultural sites in close proximity to the proposed project site. ASM Associate Archaeologist Terrence Luévano returned her phone call on February 13 and 16, 2024, and via email on February 20, 2024, to set up a time to speak about the project. Ms. Mojado and Mr. Luévano spoke on the phone on March 7, 2024. Ms. Mojado stated that the San Luis Rey would like to be involved in consultation on the CSUSM project. The area surrounding the project has many sites in close proximity, many of which SLR has been involved in identifying/providing monitoring. Cami intended to follow up with ASM about whether they wish to request monitoring after conferring with their monitor who was involved in the survey, Banning Taylor. To date, no follow-up regarding monitoring has been received.

On March 5, 2024, Daniel Tsosie, Campo Band of Mission Indians, responded that the Project was near place names Jeyal, near the coast, and to the southeast was Ahwellagua and requested that the record search be expanded to 1.5 miles and would like an agency contact to discuss the project. Additional research shows that Jeyal and Ahwellagua are Kumeyaay place names within the vicinity of San Elijo Lagoon.

4.3 ARCHIVAL RESEARCH

The earliest-available aerial images of the Project, dating to 1947, appear to show undeveloped land (NETR Online n.d.). The broader general vicinity farther away from the immediate Project area is agricultural activities and dirt roads. No changes appear until 1964, at which point agricultural activities expand to the Project area. The agricultural activities remain constant in the aerials until 1990, at which point the Project area and general vicinity switch from agricultural to being the barren dirt indicative of construction grading. Further aerial photos after 1990 show the continued expansion of grading activities along with the construction of buildings eventually comprising the current day layout of California State University San Marcos. This includes a 2003 aerial showing regrowth of vegetation in the Project area, and a second grading of the Project area in a 2005 aerial. The most recent aerial shows modern development surrounding the Project area, with the exception of an undeveloped hillside to the immediate east.

4.4 ARCHAEOLOGICAL SURVEY METHODS AND RESULTS

An intensive-level pedestrian survey of the Project area was conducted on February 9, 2024, by ASM Associate Archaeologist Lucas Piek. Mr. Piek surveyed the entire project area in transects spaced approximately 15 m apart wherever possible. Saving Sacred Sites Native American monitor Banning Taylor assisted in the survey. Ground surface visibility within the project area was good in the areas developed as a part of CSUSM and fair on the eastern side of the Project area, where it overlaps with the base of an undeveloped hillside covered in Mule Fat, Deerweed, and Coastal Sage Scrub. Mr. Piek noted that the survey area was extremely disturbed from past grading construction activities. The portion of the Project area containing the off-site utility tunnel is currently paved. No artifacts were identified during the survey. The project area is currently surrounded by modern development, including university buildings, residential development at the top of the eastern hill, and surface parking lots. The hillside east of the project, below the residential development, is undeveloped. No new cultural resources were identified by survey in the Project area.



Figure 4. View of the Project area from the east side, facing west, showing base of the hillside vegetation, grading construction activities, and adjacent development.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The archaeological survey was negative. The records search of the Sacred Lands File held by the NAHC was also negative. The CHRIS records search at the SCIC for the Project area identified no previous cultural resources intersecting or within its boundaries. Historic aerials show initial mass grading of the Project area in 1990 as a part of the construction for CSUSM, and grading again in 2005.

Based on the previously stated information, the Project will not have an impact on cultural resources. Archaeological and Native American monitoring is recommended, if ground disturbance for the Project extends deeper than previously identified mass grading, has the potential to encounter native soil, or if requested during the Native American consultation.

In the event that human remains or related cultural materials are encountered, Section 15064.5(e) of the CEQA Guidelines (as incorporated from Public Resources Code section 5097.98) and Health and Safety Code Section 7050.5 define the subsequent protocol. In the event of the accidental discovery or recognition of any human remains, excavation or other disturbances shall be suspended on the site or any nearby area reasonably suspected to overlie adjacent human remains or related material. Protocol requires that a county-approved coroner be contacted in order to determine if the remains are of Native American origin. Should the coroner determine the remains to be Native American, the coroner must contact the Native American Heritage Commission (NAHC) within 24 hours. The most likely descendent may make recommendations to the landowner or the person responsible for the excavation work, for means of treating, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code section 5097.98 (California Code of Regulations, Title 14; Chapter 3; Article 5; Section 15064.5(e)). If the human remains are not Native American the PI shall notify the medical examiner of the historic context of the discovery and the medical examiner will determine the appropriate course of action with the PI and agency staff.

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APPENDICES

APPENDIX A
SCIC Record Search



South Coastal Information Center
San Diego State University
5500 Campanile Drive
San Diego, CA 92182-5320
Office: (619) 594-5682
www.sdic.org
scic@mail.sdsu.edu

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM CLIENT IN-HOUSE RECORDS SEARCH

Company: ASM

Company Representative: Terrence Luevano

Date: 2/21/24

Project Identification: CSUSM IS&E Building Project# 45460

Search Radius: 1 mile SD county

Historical Resources:

SELF

Trinomial and Primary site maps have been reviewed. All sites within the project boundaries and the specified radius of the project area have been plotted. Copies of the site record forms have been included for all recorded sites.

Previous Survey Report Boundaries:

SELF

Project boundary maps have been reviewed. National Archaeological Database (NADB) citations for reports within the project boundaries and within the specified radius of the project area have been included.

Historic Addresses:

SELF

A map and database of historic properties (formerly Geofinder) has been included.

Historic Maps:

SELF

The historic maps on file at the South Coastal Information Center have been reviewed, and copies have been included.

Copies: 0

Hours: 1

APPENDIX B

CONFIDENTIAL NAHC Correspondence

(Confidential - Provided Separately)

Appendix D

Noise Modeling Calculations

Demolition (Worst-Case Scenario) Leq

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L _{eq} dBA)	Equipment	Reference Emission Noise Levels (L _{max}) at 50 feet ¹	Usage Factor ¹
resident. daytime threshold	29	90.0	Front End Loader	80	0.4
resident. Nighttime threshold	74	80.0	Excavator	85	0.4
Residences on Via Del Caballo	1120	48.7	Tractor	84	0.4

Ground Type soft
 Source Height 8
 Receiver Height 5
 Ground Factor² 0.63

Predicted Noise Level ³	L _{eq} dBA at 50 feet ³
Front End Loader	76.0
Excavator	81.0
Tractor	80.0

Sources:

¹ Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

² Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

³ Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.

Combined Predicted Noise Level (L_{eq} dBA at 50 feet)

84.3

Traffic Noise Spreadsheet Calculator



Project: CSUSM				Input										Output				
Noise Level Descriptor: CNEL																		
Site Conditions: Hard																		
Traffic Input: ADT																		
Traffic K-Factor:																		
Segment Description and Location																		
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) ₄		Traffic Distribution Characteristics						CNEL, (dBA) _{5,6,7}	Distance to Contour, (feet) ₃			
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve	% Night		75 dBA	70 dBA	65 dBA	60 dBA
Existing Conditions																		
15	Campus View Drive between Moree Road and Craven Road			6,733	25	780	808	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	47.6	1	5	14	46

*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Addition of Noise Levels from Multiple Sources at a Discrete Receptor

OBJECTIVE: This work sheet is designed to estimate the combined level of noise exposure at a single discrete receptor from multiple point sources.

KEY: Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

Receptor Name: Houses west of project

STEP 1: Identify the noise sources and enter the reference noise levels (dBA and distance).

Hour of Day (24-HR time)

STEP 3: Select the distance to the receptor and the reduction provided by any intervening barrier.

Step 1.				Step 2.				Step 3.			
Noise Source	Reference Noise Level			Attenuation Characteristics				Attenuated Noise Level at Receptor			
	Reference Noise Level (dBA)	@	Reference Distance (ft)	Ground Type (soft/hard)	Source Height (ft)	Receiver Height (ft)	Ground Factor	Noise Level (dBA)	@	Distance to Receptor (ft)	Reduction Provided by Barrier, if any (dBA)
HVAC Unit	75.0	@	3	soft	35	5	0.39	13	@	1120	0
HVAC Unit	75.0	@	3	soft	35	5	0.39	13	@	1120	0

Combined level of noise exposure at receptor from all noise sources (dBA): 16.5

Computation of the attenuated noise level is based on the equation presented on pg. 12-3 and 12-4 of FTA 2006.

Computation of the ground factor is based on the equation presented in Figure 6-23 on pg. 6-23 of FTA 2006, where the distance of the reference noise level can be adjusted and the usage factor is not applied (i.e., the usage factor is equal to 1).

Summation of noise levels from different stationary noise sources at the same receptor is based on the equation presented on page 2-3 of FTA 2006.

Sources:

Federal Transit Association (FTA). 2006 (May). Transit Noise and Vibration Impact Assessment. FTA-VA-90-1003-06. Washington, D.C. Available:

<http://www.fta.dot.gov/documents/FTA_Noise_and_Vibration_Manual.pdf>. Accessed: March 5, 2020.

Distance Propagation Calculations for Stationary Sources of Ground Vibration



KEY: Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

STEP 1: Determine units in which to perform calculation.

- If vibration decibels (VdB), then use Table A and proceed to Steps 2A and 3A.
- If peak particle velocity (PPV), then use Table B and proceed to Steps 2B and 3B.

STEP 2A: Identify the vibration source and enter the reference vibration level (VdB) and distance.

STEP 3A: Select the distance to the receiver.

Table A. Propagation of vibration decibels (VdB) with distance

Noise Source/ID	Reference Noise Level		
	vibration level (VdB)	@	distance (ft)
Vibratory Roller (to project site)	94	@	25
Vibratory Roller (at 80 dBA threshold)	94	@	25

Attenuated Noise Level at Receptor		
vibration level (VdB)	@	distance (ft)
44.5	@	1120
79.7	@	75

The Lv metric (VdB) is used to assess the likelihood for vibration to result in human annoyance.

STEP 2B: Identify the vibration source and enter the reference peak particle velocity (PPV) and distance.

STEP 3B: Select the distance to the receiver.

Table B. Propagation of peak particle velocity (PPV) with distance

Noise Source/ID	Reference Noise Level		
	vibration level (PPV)	@	distance (ft)
Vibratory Roller	0.210	@	25
Vibratory Roller (at 0.2 PPV threshold)	0.210	@	25

Attenuated Noise Level at Receptor		
vibration level (PPV)	@	distance (ft)
0.001	@	1120
0.198	@	26

The PPV metric (in/sec) is used for assessing the likelihood for the potential of structural damage.

Notes:

Computation of propagated vibration levels is based on the equations presented on pg. 185 of FTA 2018. Estimates of attenuated vibration levels do not account for reductions from intervening underground barriers or other underground structures of any type, or changes in soil type.

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment Manual. FTA Report N
<https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact->

vdb

