Appendix F

## **Biological Resources**

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Appendix F1

## **CNNDB Full Report**

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S				_		e: PDC		J
Federal: Non State: Non	•		— NDDB Ele Global: State:		Ot	her Lists CNPS Lis		2
General: COA Micro: ON	At Associations - ASTAL BLUFF SCRI BLUFFS AND SLOF D THE MAINLAND.	ES NEAR TH			Y SOILS. IN STE	EP DECLI	NE ON <sup>-</sup>	THE ISLANDS
Presence			37104	EO Index:		Ele	ement: Site:	Last Seen — 2001-05-30 2001-05-30 2009-06-12
Quad Summary County Summary	: San Pedro (3311 : Los Angeles	863/073A)						
	UT Mapping Precisio Symbol Ty	ng: 33.72714 M: Zone-11 on: SPECIFIC oe: POLYGC ea: 52.3 acre	N3732717 E3 C NN		I	ownship: Range: Section: Meridian: Elevation:	14W 21 S	Qtr: XX
Location	: PALOS VERDES BEACH PARK.	PENINSULA	; FROM NEA	R PORTUGUESE	BEND SOUTHW	ARD TO N	EAR RO	DYAL PALMS
Location Detail	: SCATTERED CC	LONIES ALO	NG BLUFFS.	MAPPED AS FI	E POLYGONS A	T THE CNI	DDB.	
Ecological	: STEEP TALUSE CALANDRINIA M CALIFORNICA.				CIUM CALIFORN TTORALIS, O. PC			
							ANTS,	
Threat	: GOLF COURSE FOR LANDSLIDE			LOPMENT, DIRT	RD TO BEACH, E			AND DEWATERING
	FOR LANDSLIDE : ABOUT 60 PLAN	E CONTROL T TS SEEN IN <sup>2</sup> Y OF SITE. F	THREATEN. 1991, BUT Of OUND IN 199	NLY A PORTION 92 BY LSA; 150+	OF OCCURRENC	E SURVE		JE TO
General	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT	E CONTROL T TS SEEN IN Y OF SITE. F IGH TIDE LIN	THREATEN. 1991, BUT Of OUND IN 199	NLY A PORTION 92 BY LSA; 150+	OF OCCURRENC	E SURVE		JE TO
General Owner/Manager —— Sources –	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN	E CONTROL T TS SEEN IN 'Y OF SITE. F IGH TIDE LIN	HREATEN. 1991, BUT OI OUND IN 199 E." INCLUDE	NLY A PORTION 92 BY LSA; 150+ S FORMER OCC	OF OCCURRENC OBSERVED IN 19 #2.	CE SURVE 995. FOUN	ID IN 20	JE TO 01 BY GEORGE,
General Owner/Manager Sources 3RI91F0001	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI	E CONTROL T TS SEEN IN <sup>2</sup> Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY	HREATEN. 1991, BUT Of OUND IN 199 E." INCLUDE IRVEY FORM 05-24. WRITE-UP F	NLY A PORTION 92 BY LSA; 150+ S FORMER OCC 1 FOR APHANISM	OF OCCURRENC OBSERVED IN 19 #2. MA BLITOIDES, C.	CE SURVE 295. FOUN ALANDRIN	ID IN 20	JE TO 01 BY GEORGE, RITIMA & DUDLEYA
General Owner/Manager Sources – BRI91F0001 BRI91U0001	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI VIRENS SSP. INSL BRINKMANN-BUSI	CONTROL T TS SEEN IN Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY ATALINAE. 19	HREATEN. 1991, BUT Of OUND IN 199 E." INCLUDE RVEY FORM 05-24. WRITE-UP F 291-10-29.	NLY A PORTION 32 BY LSA; 150+ S FORMER OCC I FOR APHANISM OR DUDLEYA VI	OF OCCURRENC OBSERVED IN 19 #2. /A BLITOIDES, C. RENS SSP. INSU	CE SURVE 295. FOUN ALANDRIN	ID IN 20	JE TO 01 BY GEORGE, RITIMA & DUDLEYA
General Owner/Manager Sources – RI91F0001 RI91U0001 RI92F0001	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI VIRENS SSP. INSL BRINKMANN-BUSI CALOCHORTUS C	CONTROL T TS SEEN IN Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY ATALINAE. 19	HREATEN. 1991, BUT OI OUND IN 199 E." INCLUDE IRVEY FORM 05-24. WRITE-UP F 991-10-29. IRVEY FORM	NLY A PORTION 92 BY LSA; 150+ S FORMER OCC 1 FOR APHANISM OR DUDLEYA VI 1 FOR APHANISM	OF OCCURRENC OBSERVED IN 19 #2. MA BLITOIDES, C. RENS SSP. INSU MA BLITOIDES. 19	CE SURVE 295. FOUN ALANDRIN ILARIS, AF 292-05-03.	ID IN 20	JE TO 01 BY GEORGE, RITIMA & DUDLEYA
General Owner/Manager Sources – BRI91F0001 BRI91U0001 BRI92F0001 BRI92F0001	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI VIRENS SSP. INSU BRINKMANN-BUSI CALOCHORTUS C BRINKMANN-BUSI	CONTROL T TS SEEN IN <sup>4</sup> Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY ATALINAE. 19 , A. FIELD SU , A. FIELD SU	HREATEN. 1991, BUT OF OUND IN 199 E." INCLUDE IRVEY FORM 05-24. WRITE-UP F 091-10-29. IRVEY FORM	NLY A PORTION 32 BY LSA; 150+ S FORMER OCC 1 FOR APHANISM OR DUDLEYA VI 1 FOR APHANISM 1 FOR APHANISM	OF OCCURRENC OBSERVED IN 19 #2. MA BLITOIDES, C. RENS SSP. INSU MA BLITOIDES. 19 MA BLITOIDES. 19	CE SURVE 295. FOUN ALANDRIN ILARIS, AF 292-05-03. 295-05-06.	ID IN 20	JE TO 01 BY GEORGE, RITIMA & DUDLEYA MA BLITOIDES &
General Owner/Manager Sources – BRI91F0001 BRI91U0001 BRI92F0001 BRI95F0001 BRI95U0001	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI CALOCHORTUS C BRINKMANN-BUSI BRINKMANN-BUSI	CONTROL T TS SEEN IN Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY ATALINAE. 19 , A. FIELD SU , A. FIELD SU , A. FIELD SU	HREATEN. 1991, BUT OI OUND IN 199 E." INCLUDE RVEY FORM 05-24. WRITE-UP F 991-10-29. IRVEY FORM IRVEY FORM	NLY A PORTION 32 BY LSA; 150+ S FORMER OCC I FOR APHANISM OR DUDLEYA VI I FOR APHANISM I FOR APHANISM ON REGARDING	OF OCCURRENC OBSERVED IN 19 #2. MA BLITOIDES, C. RENS SSP. INSU MA BLITOIDES. 19 MA BLITOIDES. 19	CE SURVE 295. FOUN ALANDRIN ILARIS, AF 292-05-03. 295-05-06.	ID IN 20	JE TO 01 BY GEORGE, RITIMA & DUDLEYA MA BLITOIDES &
General Owner/Manager Sources – 3RI91F0001 3RI92F0001 3RI92F0001 3RI95F0001 3RI95F0001 3RI95F0001 3RI95F0001	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI CALOCHORTUS C BRINKMANN-BUSI BRINKMANN-BUSI BRINKMANN-BUSI	CONTROL 1 TS SEEN IN <sup>2</sup> Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY ATALINAE. 19 , A. FIELD SU , A. FIELD SU , A. FIELD SU , A. PHONE C RGE #3 UCR #	HREATEN. 1991, BUT OF OUND IN 199 E." INCLUDE IRVEY FORM 05-24. WRITE-UP F 291-10-29. IRVEY FORM IRVEY FORM IRVEY FORM CONVERSATI	NLY A PORTION 92 BY LSA; 150+ S FORMER OCC I FOR APHANISM OR DUDLEYA VI I FOR APHANISM I FOR APHANISM ON REGARDING 1-05-30.	OF OCCURRENC OBSERVED IN 19 #2. MA BLITOIDES, C. RENS SSP. INSU MA BLITOIDES. 19 MA BLITOIDES. 19 A BLITOIDES. 19 A PHANISMA BL	CE SURVE 295. FOUN ALANDRIN 292-05-03. 295-05-06. ITOIDES.	ID IN 20 IIA MAR PHANISM 1995-05	JE TO 01 BY GEORGE, RITIMA & DUDLEYA MA BLITOIDES &
General Owner/Manager	FOR LANDSLIDE : ABOUT 60 PLAN INACCESSIBILIT "JUST ABOVE H : PVT, UNKNOWN BRINKMANN-BUSI VIRENS SSP. INSU BRINKMANN-BUSI BRINKMANN-BUSI BRINKMANN-BUSI BRINKMANN-BUSI BRINKMANN-BUSI BRINKMANN-BUSI BRINKMANN-BUSI	CONTROL T TS SEEN IN <sup>2</sup> Y OF SITE. F IGH TIDE LIN , A. FIELD SU JLARIS. 1991- , A. SURVEY ATALINAE. 19 , A. FIELD SU , A. FIELD SU	HREATEN. 1991, BUT OF OUND IN 199 E." INCLUDE IRVEY FORM 05-24. WRITE-UP F 091-10-29. IRVEY FORM IRVEY FORM IRVEY IRVEY FORM IRVEY I	NLY A PORTION 22 BY LSA; 150+ S FORMER OCC I FOR APHANISM OR DUDLEYA VI I FOR APHANISM I FOR APHANISM ON REGARDING 1-05-30. URCE ASSESSM	OF OCCURRENC OBSERVED IN 19 #2. MA BLITOIDES, C. RENS SSP. INSU MA BLITOIDES. 19 MA BLITOIDES. 19 A BLITOIDES. 19 A PHANISMA BL	CE SURVE 295. FOUN ALANDRIN 292-05-03. 295-05-06. ITOIDES.	ID IN 20 IIA MAR PHANISM 1995-05	JE TO 01 BY GEORGE, RITIMA & DUDLEYA MA BLITOIDES &

Sto				mont Bonko	Ot	har Lista		
Federal: None			Global:		OI	CNPS List:		
State: None			State:			CINFS LISU	. 10.2	
	Associations -		• • • • •					
	STAL BLUFF SCR							
Micro: ON B		PES NEAR TH	,		AY SOILS. IN STE	EP DECLINI	E ON 1	THE ISLANDS
Occurrence No.	31	Map Index:	41675	EO Index:	41675	— C	Dates L	.ast Seen —
Occ Rank:								1992-05-03
-	Natural/Native or						Site:	1992-05-03
	Presumed Extant Unknown	I			Recor	rd Last Upda	ated:	1999-09-23
Quad Summary:	San Pedro (3311	863/073A)						
County Summary:	Los Angeles							
	Lat/Lo	ng: 33.7396	1º / -118.3746	1°	Т	ownship: (	05S	
	U	M: Zone-11	N3734133 E3	72666		Range: 7	14W	
	Mapping Precisi					Section:		Qtr: XX
	• •	pe: POLYG				Meridian:		
	Ar	ea: 1.3 acre	S		E	levation:	100 π	
Location:	ABALONE COVE	E ALONG WE	ST SIDE OF F	PORTUGUESE	POINT, PALOS VEI	RDES PENII	NSULA	۱.
Location Detail:	MAPPED ALON	G ROAD DOV	VN BLUFFS O	N WEST SIDE	OF PORTUGUESE	POINT.		
Ecological:	GROWING BET	VEEN SAGE	SCRUB REMI	NANTS AND PL	ANTED PELARGO	NIUM HYBR	IDS.	
Threat:	NON-NATIVE PL	ANTS.						
General:	1 PLANT OBSER	RVED IN 1992	2.					
Owner/Manager:	UNKNOWN							

Sta	atus —		— NDDB Ele	ment Ranks -		— Other Lists		
Federal: None			Global:	-		CNPS Lis	st: 1B.2	2
State: None	•		State:	S2.2				
	t Associations —							
	STAL BLUFF SCRUB, AN BLUFFS, RIDGET(		,		,		RASSLA	ND.
		-						
Occurrence No.		p Index:	23782	EO Index:	74608			_ast Seen
Occ Rank:	None Natural/Native occuri	ronco				Ele		XXXX-XX-XX XXXX-XX-XX
	Extirpated	lence					one.	
	Unknown					Record Last Up	dated:	2009-02-18
Quad Summary:	Long Beach (331187	2/089C)						
County Summary:	Los Angeles							
	Lat/Long:	33.8382	1º / -118.1765	3°		Township:	04S	
	• • • • • •		N3744839 E3	91136		Range:		
	Mapping Precision:		ECIFIC			Section:		Qtr: XX
	Symbol Type: Radius:					Meridian: Elevation:	-	
Location:	BIXBY.							
Location Detail:	EXACT LOCATION	JNKNOW	N. MAPPED E	BY CNDDB AT	BIXBY KNOL	LS.		
Ecological:								
Threat:	THIS AREA IS NOW	FULLY D	EVELOPED.	OCCURRENC	E IS PRESU	MED EXTIRPATED	).	
General:	ONLY SOURCE OF	INFORMA	TION FOR TH	HIS OCCURRE	ENCE IS AN I	UNDATED COLLE	CTION	BY BRANDEGE
Owner/Manager:	UNKNOWN							
— Sources —								

<u>Sta</u>	4.10			ment Ranks —		Other Liste		
Federal: None	itus —							
State: None			Global: State:			CNPS Lis	St: 18.2	2
			State.	02.2				
	Associations —							
General: COAS	STAL SCRUB, COAST	AL BLUFF	SCRUB, PLA	AYAS, CHENOF	POD SCRUB.			
Micro: ALKA	LI SOILS. 1-500M.							
Occurrence No.	3 <b>M</b> a	p Index:	34590	EO Index:	12350	_	Dates	Last Seen —
Occ Rank:	Fair					Ele	ement:	1992-05-29
Origin:	Natural/Native occur	ence					Site:	1992-05-29
	Presumed Extant							
Trend:	Unknown				R	ecord Last Up	dated:	1996-03-20
Quad Summary:	San Pedro (3311863	/073A)						
County Summary:	Los Angeles							
	Lat/Long:	33.72457	7º / -118.33666	6°		Township:	01S	
	UTM:	Zone-11	N3732419 E3	376160		Range:	14W	
	Mapping Precision:	SPECIFI	С			Section:	XX	Qtr: XX
	Symbol Type:					Meridian:	-	
	Area:	5.0 acres	6			Elevation:	200 ft	
Location:	PALOS VERDES PE	NINSULA	, WEST SLOF	PE OF SHOREL	INE PARK ALC	ONG BEACH A	CCESS	TRAIL.
Location Detail:								
Ecological:	IN COASTAL SAGE	SCRUB W	VITH NUMER	OUS NON-NATI	VE GRASSES			
Threat:	INCREASED RECRE		USE THREA	TENS DUE TO	NEARBY GOL	F COURSE AN	ID HOU	SING
	DEVELOPMENT.							
General:	24 INDIVIDUALS SE	EN BY BF	RINKMANN-BL	JSI IN 1992. SH	IE ALSO OBSE	RVED THIS P	OPULA <sup>-</sup>	TION IN 1991 ANI
	THINKS FEWER PL					-		
Owner/Manager:	P\/T							
omienmanager.								

•						Code: PDC		
Federal: None	atus —							
State: None			Global: State:			CNPS Lis	st: 18.2	2
			olulo.	02.2				
	Associations							
	STAL SCRUB, COAST LI SOILS, 1-500M,	AL BLUFI	F SCRUB, PL	ATAS, CHENOP	UD SCRUB.			
MICIO: ALKA	LI SOILS. 1-500M.							
Occurrence No.	4 <b>M</b> a	p Index:	34592	EO Index:	252			_ast Seen —
Occ Rank:						Ele		1903-10-14
-	Natural/Native occurr Presumed Extant	rence					Site:	1903-10-14
	Unknown				R	ecord Last Up	dated.	1996-03-20
							autou.	
Quad Summary:	Torrance (3311873/0	90D), Sar	n Pedro (33118	863/073A)				
County Summary:	Los Angeles							
	Lat/Long:	33.73644	4º / -118.28092	20		Township:	05S	
	UTM:	Zone-11	N3733670 E3	81341		Range:	14W	
	Mapping Precision:		ECIFIC			Section:		Qtr: XX
	Symbol Type: Radius:					Meridian:		
	Radius:	i mile				Elevation:	60 II	
Location:	SAN PEDRO.							
Location Detail:	MAPPED BY CNDD	B AT POS	T OFFICE.					
Ecological:								
Threat:	DEVELOPMENT.							
General:	ORIGINAL LABEL: A	TRIPLEX	MICROCARP	PA.				
Owner/Manager:	UNKNOWN							
— Sources —								
			SNUC #1102	91 1002 10 14				
A03S0002 E	BRANDEGEE, K. BRAI	NDEGEE	311 0C #1102	01. 1903-10-14.				

Atriplex pacifica						_
South Coast salt					PDCHE041C	0
				Othe		
Federal: None State: None	•		al: G3G4 e: S2.2	C	CNPS List: 1B.2	2
		Stat	<b>c.</b> 02.2			
	t Associations					
	STAL SCRUB, COAST ALI SOILS. 1-500M.	AL BLUFF SCRUB, I	PLAYAS, CHENO	POD SCRUB.		
MICTO: ALKA	ALI SUILS. 1-500M.					
Occurrence No.	7 Ma	p Index: 34591	EO Index:	12351	— Dates I	Last Seen —
Occ Rank:	Unknown				Element:	1931-08-23
•	Natural/Native occur	rence			Site:	1931-08-23
	Presumed Extant					
I rend:	Unknown			Record	Last Updated:	1996-03-20
Quad Summary:	Torrance (3311873/0	90D), San Pedro (33	11863/073A)			
County Summary:	Los Angeles		,			
	0	33.74588º / -118.33			vnship: 01S	
	Mapping Precision:	Zone-11 N3734781	E376250		Range: 14W	Qtr: XX
	Symbol Type:			-	eridian: S	Set . Tor
	Radius:				vation: 1,400 1	ft
	SAN PEDRO HILLS.					TION
	MAPPED AT CNDD	3 AT SAN PEDRO HI	LL AND SURROL	JNDINGS; UNSURE C	OF EXACT LOCA	TION.
-	OPEN HILLSIDE.					
Threat:						
General:	ONLY INFO IS ABO		903 COLLECTION	N BY ABRAMS "SAN I	PEDRO HILLS N	EAR ROCKY
	POINT" ATTRIBUTE	D TO THIS SITE.				
Owner/Manager:	UNKNOWN					
Sources						
ABR03S0027	ABRAMS, L. ABRAMS	#3137 UC #150082.	1903-03-14.			
FOS31S0002	FOSBERG, F. FOSBE	RG #7290 RSA #478	341. 1931-08-23.			
ROBNDU0001	ROBERTS, F. HERBA	RIUM SEARCHES. 1	99X-XX-XX.			

Atriplex parishii						
Parish's brittlescal	-			Element Code:		
Sta	tus ———			Other L		
Federal: None State: None		Global: State:		CN	PS List: 1B.	.1
	A !- !!- !!	otate.	01.1			
				A 6		
	LI MEADOWS, VERNAL PO LLY ON DRYING ALKALI FI					
Occurrence No.	5 Man Inda	<b>x:</b> 23782	EO Index: 7	7705	Datas	Last Seen —
Occurrence No. Occ Rank:		<b>X:</b> 23/02	EO Index:	795		XXXX-XX-XX
	Natural/Native occurrence					XXXX-XX-XX
Presence:						
Trend:	Unknown			Record La	st Updated:	2009-08-28
Quad Summary:	Long Beach (3311872/0890	C)				
County Summary:	Los Angeles					
	Lat/Long: 33.83 UTM: Zone	821º / -118.1765 -11 N3744839 E3	-		ship: 04S nge: 12W	
	Mapping Precision: NON	SPECIFIC			tion: XX	Qtr: XX
	Symbol Type: POIN				<b>dian:</b> S	
	Radius: 1 mile	9		Eleva	tion: 75 ft	
Location:	BIXBY.					
Location Detail:	EXACT LOCATION UNKNO BRAMLET: NEAR BIXBY K			ST GUESS ACCORD	ING TO INFO	O GIVEN BY
Ecological:						
Threat:	THIS AREA IS NOW FULL	Y DEVELOPED.	OCCURRENCE IS	S PRESUMED EXTIRE	PATED.	
General:	ONLY SOURCE OF INFOR BELIEVES THAT THE LON THIS AREA IS NOW FULLY	IG BEACH AREA				
Owner/Manager:	UNKNOWN					
Sources						
BRA93U0004 B	RAMLET, D. PHONE CONV	ERSATION WITH	H CNPS REGARD	DING ATRIPLEX PARI	SHII. 1993-07	7-08.
BRANDS0004 B	RANDEGEE, K. BRANDEG	EE SN UC #2052	88. XXXX-XX-XX			
REI01B0001 R	EISER, C. RARE PLANTS (	OF SAN DIEGO C	OUNTY. 2001-07	7-XX.		

Davidson's salts	cale				Element C	Code: PDCH	HE041T	1
S	tatus —		— NDDB Ele	ment Ranks –		Other Lists		
Federal: Non	-		Global:			CNPS Lis	st: 1B.2	2
State: Non	e		State:	S2?				
Habita	at Associations —							
General: COA	ASTAL BLUFF SCRUE	B, COASTA	L SCRUB.					
Micro: ALK	ALINE SOIL. 3-250M							
Occurrence No	. 3 N	lap Index:	34592	EO Index:	253		Dates	Last Seen —
Occ Rank	: Unknown					Ele		1906-06-02
-	: Natural/Native occu	irrence					Site:	1906-06-02
	: Presumed Extant							
Trend	: Unknown				Re	cord Last Up	dated:	1996-02-23
Quad Summary	: Torrance (3311873	/090D), Sa	n Pedro (33118	363/073A)				
County Summary	: Los Angeles							
	Lat/Long	: 33.7364	4º / -118.28092	20		Township:	05S	
	• · · ·		N3733670 E3	81341		Range:		
	Mapping Precision		PECIFIC			Section:		Qtr: XX
	Symbol Type	: POINT : 1 mile				Meridian: Elevation:	-	
	Raulus	. I IIIIe				Elevation.	00 11	
Location	: SAN PEDRO.							
Location Detail	: COLLECTION BY	PARISH FF	ROM LONG BE	ACH IS INCLU	DED AT THIS S	ITE.		
Ecological	:							
Threat	: DEVELOPMENT.							
General	: VICINITY REPRES	ENTED BY	TWO COLLE	CTIONS: EAST	WOOD #165 IN	1906 AND PA	RISH S	N (DS) IN 1891.
Owner/Manager	: UNKNOWN							
— Sources –								
	EASTWOOD. EASTV	/OOD #16	5 CAS #85296.	1906-06-02.				
	PARISH, PARISH SN							

southern tarplant						nt Code: PDAS	-	
Sta	tus ———	——— N	DDB Ele	ment Ranks -		—— Other Lists ————		
Federal: None			Global:	•••=		CNPS Lis	st: 1B.1	
State: None			State:	S2.1				
——— Habitat	Associations —							
General: MARS	SHES AND SWAMPS	(MARGINS), V	ALLEY A	ND FOOTHILL	GRASSLAN	D.		
Micro: OFTE	N IN DISTURBED SIT	ES NEAR THE	E COAST	AT MARSH E	DGES; ALSO	IN ALKALINE SC	DILS SO	METIMES WITH
SALT	GRASS. SOMETIME	S ON V						
Occurrence No.	25 <b>M</b> a	p Index: 353	71	EO Index	29314		Dates I	Last Seen —
Occ Rank:	Unknown	-				Ele	ement:	1932-XX-XX
Origin:	Natural/Native occur	rence					Site:	1932-XX-XX
	Presumed Extant							
Trend:	Unknown					Record Last Up	dated:	1997-03-17
Quad Summary:	Long Beach (331187	2/089C)						
ounty Summary:	Los Angeles							
	Lat/Long:	33.78593º / -1	18.1819	1 <sup>0</sup>		Township:	04S	
	UTM:	Zone-11 N373	39048 E3	90574		Range:	12W	
	Mapping Precision:	NON-SPECIF	IC			Section:	31	Qtr: NW
	Symbol Type:	POLYGON				Meridian:	-	
	Area:					Elevation:	15 ft	
Location:	BRYANT RANCH NE	EAR LONG BE	ACH, NO	RTH OF 7TH	STREET AND	EAST OF ATLAN	ITIC AV	E.
Location Detail:	COLLECTED IN T04	S R12W NW 1	/4 SECTI	ON 31.				
Ecological:								
Threat:								
General:	ONLY SOURCE OF	INFORMATION	N FOR TH	HIS SITE IS 19	32 COLLECT	ION BY SNOW.		
Owner/Manager:	UNKNOWN							

	ch tiger					Element Cod			
		tus ———		— NDDB Ele	ment Ranks	Ot	her Lists		
Federal: State:				Global: State:		C	DFG Statu	IS:	
H	Habitat	Associations –							
General:		BITS AREAS ADJA CISCO BAY TO N			H WATER ALC	ONG THE COAST OF	F CALIFOF	RNIA FR	COM SAN
Micro:		N, DRY, LIGHT-CO CTED BY WAVE A		ND IN THE UF	PPER ZONE.	SUBTERRANEAN LA	ARVAE PR	EFER N	IOIST SAND NOT
Occurrence No. 13		13	Map Index:	02010	EO Index	12878		Dates	Last Seen —
0	-	None Natural/Native occ Extirpated	currence				Ele		XXXX-XX-XX 1979-XX-XX
		Unknown				Reco	d Last Up	dated:	1993-01-27
Quad Sum	marv	San Pedro (33118	363/073A), To	orrance (33118	873/090D), Lo	ng Beach (3311872/0	89C)		
Quad oum	innary.		,		,	3	,		
		Los Angeles		·	·	0	,		
		Los Angeles Lat/Lon UT Mapping Precisio Symbol Typ	M: Zone-11 n: NON-SF	1º / -118.2524 N3734976 E3 PECIFIC		Tı	ownship: Range: Section: Meridian: Ievation:	13W XX S	Qtr: XX
County Sum	mary:	Los Angeles Lat/Lon UT Mapping Precisio Symbol Typ	M: Zone-11 on: NON-SP oe: POINT is: 1 mile	N3734976 E3		Tı	ownship: Range: Section: Veridian:	13W XX S	Qtr: XX
County Sum	amary:	Los Angeles Lat/Lon UT Mapping Precisio Symbol Typ Radiu	M: Zone-11 on: NON-SP oe: POINT is: 1 mile	N3734976 E3		Tı	ownship: Range: Section: Veridian:	13W XX S	Qtr: XX
County Sum	amary: cation: Detail:	Los Angeles Lat/Lon UT Mapping Precisio Symbol Typ Radiu	M: Zone-11 n: NON-SF pe: POINT us: 1 mile	N3734976 E3 PECIFIC	883997	Tr E	ownship: Range: Section: Veridian:	13W XX S	Qtr: XX
County Sum Loc Location I Ecolo	ation: Detail: ogical:	Los Angeles Lat/Lon UT Mapping Precisio Symbol Typ Radiu TERMINAL ISLAN	M: Zone-11 n: NON-SF pe: POINT is: 1 mile ND.	N3734976 E3 PECIFIC	283997 D SAND IN TH	Tr E	ownship: Range: Section: Veridian:	13W XX S	Qtr: XX
County Sum Loc Location I Ecolo	ation: Detail: ogical: 'hreat:	Los Angeles Lat/Lon UT Mapping Precisio Symbol Typ Radiu TERMINAL ISLAN	M: Zone-11 m: NON-SF De: POINT is: 1 mile ND. AN, DRY, LIG ONTACT WI	N3734976 E3 PECIFIC	283997 D SAND IN TH	Tr E	ownship: Range: Section: Veridian:	13W XX S	Qtr: XX

NAG80R0001

NAGANO, C.D. "POPULATION STATUS OF THE BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA". 1980-XX-XX.

sandy beach	Ũ						Code: IICOL		
		us ———		— NDDB Ele	ment Ranks		- Other Lists		
Federal:				Global:			CDFG Statu	IS:	
State:	None			State:	S1				
——— На	abitat A	Associations -							
					H WATER AL	ONG THE COAS	T OF CALIFOR	RNIA FR	OM SAN
I	FRANC	CISCO BAY TO N	ORTHERN M	IEXICO.					
		I, DRY, LIGHT-CO TED BY WAVE A		ND IN THE UP	PER ZONE.	SUBTERRANEA	N LARVAE PR	EFER M	10IST SAND NO
Occurrence	No.	15	Map Index:	02201	EO Index	<b>x:</b> 22672		Dates	Last Seen —
Occ R							Ele		XXXX-XX-XX
	-	Natural/Native oc	currence					Site:	1979-XX-XX
		Extirpated Unknown				-			1009 10 20
	enu.	CHIRIDOWIT				R	ecord Last Up	dated:	1990-10-20
Quad Summ	nary:	Los Alamitos (33	11871/089D),	Long Beach (	3311872/0890	C)			
County Summ	nary:	Los Angeles							
		Lat/Lo	ng: 33.7557	8º / -118.1224	6°		Township:	05S	
				N3735643 E3	96045		Range:		
	N	Mapping Precision					Section:	-	Qtr: XX
			pe: POLYGO ea:	JN			Meridian: Elevation:	-	
		Al	ca.				Elevation.	TOIL	
Loca	tion:	NAPLES.							
Location De	etail:								
Ecolog	ical:	INHABITED CLE	AN, DRY, LIG	HT-COLORE	D SAND IN T	HE UPPER ZONE			
Th	reat:	SENSITIVE TO C	CONTACT WI	TH HUMANS.					
Gen	eral:	HISTORICAL LO	CATION.						
Owner/Mana	ager:	UNKNOWN							

NAG80R0001

NAGANO, C.D. "POPULATION STATUS OF THE BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA". 1980-XX-XX.

		lis gravida						00404	
sandy bead	-						nt Code: IICOL		
	— Sta	tus ———					— Other Lists —		
Federal: State:				Global: State:			CDFG Statu	s:	
——— F	labitat	Associations –							
General:		BITS AREAS ADJA ICISCO BAY TO NO			H WATER ALC	ONG THE COA	AST OF CALIFOR	NIA FR	OM SAN
Micro:		N, DRY, LIGHT-CC CTED BY WAVE A		ND IN THE UP	PER ZONE. S	SUBTERRANE	EAN LARVAE PR	EFER M	IOIST SAND NOT
Occurrenc	e No.	33	Map Index:	60073	EO Index	60109		Dates	Last Seen —
0	rigin:	None Natural/Native occ Extirpated	urrence				Ele		1945-08-15 1945-08-15
		Unknown					Record Last Up	dated:	2005-02-17
Quad Sum County Sum	-	Los Alamitos (331 Los Angeles	1871/089D),	, Long Beach (	3311872/089C	), Seal Beach	(3311861/072A)		
		Lat/Lon	<b>g:</b> 33.7543	1º / -118.1218	2º		Township:	05S	
		UTI	I: Zone-11	N3735480 E3	96101		Range:		
		Mapping Precisio	n: NON-SF	PECIFIC			Section:		Qtr: XX
		Symbol Typ	e: POINT				Meridian:	S	
		Radiu	s: 3/5 mile				Elevation:	10 ft	
Loc	ation:	ALAMITOS BAY.							
Location E	Detail:								
Ecolo	gical:								
Т	hreat:								
Ge	neral:	HISTORICAL REC	ORD.						
Owner/Man	ager:	UNKNOWN							
Source	s —								
NI03R0001	ĸ	NISLEY, C. BARRY BRUPTA. REPOR						E, CICI	NDELA HIRTICO
NI04R0002		NISLEY, C. BARRY							BEETLE, CICINDE

Т

western beach tig					Liement	Code: IICOL		
	tus —			ment Ranks —		- Other Lists		
Federal: None State: None			Global: State:	G4T1T2 S1		CDFG Statu	s:	
	Associations —		otate.	01				
	LATS AND BEACHE	S IN COA	STAL SOUTH	ERN CALIFORM	NIA.			
Occurrence No.	3 <b>M</b> a	p Index:	57921	EO Index:	60970		Dates	Last Seen —
Occ Rank:						Ele		XXXX-XX-XX
•	Natural/Native occur	rence					Site:	XXXX-XX-XX
Presence: Trend:	Extirpated Unknown				F	Record Last Up	dated:	2008-07-29
Quad Summary:	San Pedro (3311863	/073A)						
County Summary:	Los Angeles							
	Lat/Long:	33.7104	5º / -118.30057	7 <sup>0</sup>		Township:	05S	
	• • • • • •		N3730811 E3	79485		Range:		
	Mapping Precision:					Section:	-	Qtr: XX
	Symbol Type: Area:	217.3 ac				Meridian: Elevation:		
Location:	SAN PEDRO.							
Location Detail:	MAPPED ALONG BE	EACH AS	THIS BEETLE	PREFERS SA	NDY AREAS.			
Ecological:								
Threat:								
General:	HISTORICAL LOCAL	LITY.						
Owner/Manager:	UNKNOWN							
— Sources —								
G82A0001 N	AGANO, CHRISTOPI	HER D. PO	OPULATION S	TATUS OF TH	E TIGER BEE	TLES OF THE C	GENUS	CICINDELA

western beach tig				_	Element Co			
	itus ———				-	ther Lists		
Federal: None State: None			Global: State:	G4T1T2	C	DFG Statu	IS:	
			State:	31				
	Associations –							
General: MUDI Micro:	FLATS AND BEACI	HES IN COA	STAL SOUTH	ERN CALIFORN	IIA.			
Occurrence No.	5	Map Index:	60935	EO Index:	60971		Dates	Last Seen —
Occ Rank:						Ele	ement:	
-	Natural/Native occ	currence					Site:	XXXX-XX-XX
Presence: Trend:	Extirpated Unknown				Reco	vrd Iast IIn	dated.	2005-04-12
							uutou	
Quad Summary:	Long Beach (331	872/089C), S	Seal Beach (3	311861/072A), L	os Alamitos (3311	871/089D)		
County Summary:	Los Angeles							
	Lat/Lon	<b>g:</b> 33.76188	3º / -118.16108	8º	1	ownship:	05S	
			N3736360 E3	92475		Range:		
	Mapping Precisio					Section:		Qtr: XX
	Symbol Typ Are	e: POLYGO	ON			Meridian: Elevation:		
	Are	:a:				Elevation:	20 11	
	LONG BEACH.							
Location Detail:	MAPPED ALONG	BEACH AS	THIS BEETLE	PREFERS SAN	IDY AREAS.			
Ecological:								
Threat:								
General:	HISTORICAL LOO	CALITY.						
Owner/Manager:	UNKNOWN							
— Sources —								
	AGANO, CHRISTO	OPHER D. PO	OPULATION S	STATUS OF THE	TIGER BEETI F	S OF THE (	GENUS	CICINDELA

salt marsh bird						nt Code: PDSC		
	Status					Other Lists		
Federal: En State: En	0		Global: State:	-		CNPS Lis	st: 1B.2	2
——— Hab	itat Associations							
General: CC	DASTAL SALT MARS	H, COASTAL	DUNES.					
Micro: LIN	MITED TO THE HIGH	IER ZONES (	OF THE SALT	MARSH HABIT	AT. 0-30M.			
Occurrence N	<b>lo.</b> 12	Map Index:	35371	EO Index:	34952		Dates	Last Seen —
	k: None					Ele		1932-XX-XX
0	in: Natural/Native of	currence					Site:	1932-XX-XX
	e: Extirpated: Unknown							0000 00 40
Iren						Record Last Up	dated:	2009-08-18
Quad Summa	ry: Long Beach (331	1872/089C)						
County Summa	ry: Los Angeles							
	Lat/Lo	ng: 33.7859	03º / -118.1819	4°		Township:	04S	
	-		I N3739048 E3	90574		Range:	12W	
	Mapping Precisi					Section:	-	Qtr: NW
	• •	pe: POLYG ea:	ON			Meridian: Elevation:	-	
	AI	ed.				Elevation.	1511	
Locatio	on: LONG BEACH.							
Location Deta	ail: MAPPED BY CN		RDING TO THE	TRS INFORM	ATION ON S	NOW HERBARIL	JM LABE	EL AROUND THE
	NW1/4 OF SECT	TON 31.						
Ecologic	al: SALT MARSH.							
Thre	at: ENTIRE AREA IS	S DEVELOPE	ED; OCCURRE	NCE ALMOST	CERTAINLY	' EXTIRPATED.		
Gener	al: SITE BASED ON	I A 1932 SNC	OW COLLECTI	ON. AN 1896 M	ICCLATCHE	AND AN 1893 DA	AVY CO	LLECTION FROM
	"LONG BEACH"	ALSO ATTR	IBUTED TO TH	IS SITE.				
Owner/Manage	er: UNKNOWN							
—— Sources								
DAV93S0001	DAVIDSON, A. DA	VIDSON SN	RSA #412316.	1893-05-28.				
MCL96S0001	MCLATCHE. MCL/	ATCHE SN N	Y. 1896-07-XX					
SNO32S0002	SNOW. SNOW SN	RSA #4789.	1932-XX-XX.					

	l's-beak			nent Code: PDSC		
	Status —	NDDB E		—— Other Lists		
Federal: End State: End	0		l: G4?T2 e: S2.1	CNPS Lis	st: 1B.2	2
— Habi	itat Associations –					
General: CC	DASTAL SALT MARSH	H, COASTAL DUNES.				
Micro: LIN	AITED TO THE HIGHI	ER ZONES OF THE SAL	T MARSH HABITAT. 0-30N	1.		
Occurrence N	<b>o.</b> 13	Map Index: 26479	EO Index: 6167		Dates I	Last Seen —
	k: None			Ele		1901-05-25
-	n: Natural/Native oc				Site:	1980-XX-XX
	e: Possibly Extirpate	d				
Tren	d: Unknown			Record Last Up	dated:	1995-05-18
Quad Summar	ry: San Pedro (33118	363/073A), Long Beach (	3311872/089C), Torrance (3	311873/090D)		
County Summar	y: Los Angeles					
	Lat/Lor	<b>ig:</b> 33.75713º / -118.23	704 <sup>0</sup>	Township:	05S	
	UT	M: Zone-11 N3735914	E385434	Range:	13W	
		n: NON-SPECIFIC		Section:		Qtr: XX
	Symbol Tyr	De: POINT		Meridian:		
		<b>is:</b> 1 mile		Elevation:	5 ft	
Locatio	Radiu	IS: 1 mile	DR.	Elevation:	5 ft	
Locatio Location Deta	Radiu		DR.	Elevation:	5 ft	
Location Deta	Radiu	ND, SAN PEDRO HARBO	DR.	Elevation:	5 ft	
Location Deta	Radii n: TERMINAL ISLAM nii: al: SALINE MEADO	ND, SAN PEDRO HARBO	DR.	Elevation:	5 ft	
Location Deta Ecologica Threa	Radii n: TERMINAL ISLAM iii: al: SALINE MEADO	ND, SAN PEDRO HARBO	DR. BY GRANT. NO PLANTS S			PRESUMED
Location Deta Ecologica Threa	Radii n: TERMINAL ISLAM iii: al: SALINE MEADO at: al: SITE KNOWN FR	ND, SAN PEDRO HARBO	BY GRANT. NO PLANTS S			PRESUMED
Location Deta Ecologica Threa Genera	Radiu n: TERMINAL ISLAN iii: al: SALINE MEADON at: al: SITE KNOWN FR EXTIRPATED AT	ND, SAN PEDRO HARBO WS.	BY GRANT. NO PLANTS S			PRESUMED
Location Deta Ecologica Threa Genera Owner/Manage	Radii on: TERMINAL ISLAM iii: al: SALINE MEADON at: al: SITE KNOWN FR EXTIRPATED AT er: UNKNOWN	ND, SAN PEDRO HARBO WS.	BY GRANT. NO PLANTS S			PRESUMED
Location Deta Ecologica Threa Genera Owner/Manage — Sources	Radiu on: TERMINAL ISLAM iii: al: SALINE MEADON at: al: SITE KNOWN FR EXTIRPATED AT or: UNKNOWN	ND, SAN PEDRO HARBO WS. OM 1901 COLLECTION THIS SITE (FOX AND K	BY GRANT. NO PLANTS S NUDSEN, 1982).			PRESUMED
Location Deta Ecologica Threa Genera Owner/Manage — Sources	Radiu on: TERMINAL ISLAM iii: al: SALINE MEADOV at: al: SITE KNOWN FR EXTIRPATED AT er: UNKNOWN FOX, L. & M. KNUD	ND, SAN PEDRO HARBO WS. OM 1901 COLLECTION THIS SITE (FOX AND K SEN. RECOVERY PLAN	BY GRANT. NO PLANTS S (NUDSEN, 1982). I. 1982-XX-XX.			PRESUMED
Location Deta Ecologica Threa Genera Owner/Manage <u>Sources</u> X82R0001 A01S0001	Radiu on: TERMINAL ISLAN iii: al: SALINE MEADON at: al: SITE KNOWN FR EXTIRPATED AT er: UNKNOWN FOX, L. & M. KNUD GRANT, G. GRANT	ND, SAN PEDRO HARBO NS. OM 1901 COLLECTION THIS SITE (FOX AND K SEN. RECOVERY PLAN #3124 RSA #412317. 19	BY GRANT. NO PLANTS S NUDSEN, 1982). . 1982-XX-XX. 901-05-25.			PRESUMED
Location Deta Ecologica Threa Genera Owner/Manage — Sources	Radiu on: TERMINAL ISLAN iii: al: SALINE MEADON at: al: SITE KNOWN FR EXTIRPATED AT er: UNKNOWN FOX, L. & M. KNUD GRANT, G. GRANT	ND, SAN PEDRO HARBO WS. OM 1901 COLLECTION THIS SITE (FOX AND K SEN. RECOVERY PLAN	BY GRANT. NO PLANTS S NUDSEN, 1982). . 1982-XX-XX. 901-05-25.			PRESUMED

Т

Catalina crossoso					Element Cod			•
	tus —				Otl			
Federal: None State: None			Global: State:	•••		CNPS Lis	st: 1B.2	2
			State.	55.2				
	Associations —							
	PARRAL, COASTAL							
MICRO: ON R	OCKY SEA BLUFFS	s, woodel	CANYONS, A	AND DRY, OPI	EN SUNNY SPOTS (	ON ROCK	Y CLAY.	. 0-500M.
Occurrence No.	19 <b>N</b>	lap Index:	58899	EO Index:	58935	—	Dates I	Last Seen —
Occ Rank:						Ele		1996-03-01
-	Natural/Native occ	urrence					Site:	1996-03-01
	Presumed Extant							
I rend:	Unknown				Recor	d Last Up	dated:	2004-12-21
Quad Summary:	San Pedro (33118	63/073A)						
County Summary:	Los Angeles							
	Lat/Long	: 33.7445	7º / -118.3530	90	Тс	ownship:	05S	
	UTN	I: Zone-11	N3734658 E3	74667		Range:	14W	
	Mapping Precision	: SPECIF	IC			Section:	-	Qtr: NE
	Symbol Type				-	Meridian:	-	
	Radius	: 80 meter	rs		E	levation:	580 ft	
Location:	RANCHO PALOS	VERDES. N	EAR UPPER	END OF KLON	DIKE CANYON.			
Location Detail:								
Ecological:	RIPARIAN HABITI	AT. ASSOC	SPECIES: RI	IUS INTEGRIF	OLIA, DUDLEYA LA	NCEOLAT	ΓΑ, GAL	IUM
_	ANGUSTIFOLIUM							
Threat:	PROPOSED GOLI	COURSE	DEVELOPME	NT NEARBY.				
General:	2 PLANTS SEEN I	N 1996. SU	RROUNDING	LAND USE: R	ESIDENTIAL.			
Owner/Manager:	PVT-RANCHO PA		ES					

Catalina crosso	osoma			Element Code: PDCR	O02020	)
	Status —	NDDB Ele	ment Ranks ——	Other Lists		
Federal: Not State: Not		Global: State:		CNPS Lis	t: 1B.2	2
——— Habi	tat Associations					
	APARRAL, COASTAL SO ROCKY SEA BLUFFS, N		AND DRY, OPEN SL	JNNY SPOTS ON ROCKY	CLAY	0-500M.
Occurrence N	o. 20 Ma	<b>o Index:</b> 58910	EO Index: 589	946 —	Dates I	_ast Seen —
Occ Ran	k: Good			Ele		1991-03-12
•	n: Natural/Native occurr	ence			Site:	1991-03-12
	e: Presumed Extant					
Iren	d: Stable			Record Last Upo	dated:	2004-12-21
Quad Summar	y: San Pedro (3311863/	073A)				
County Summar	y: Los Angeles					
	Lat/Long:	33.73961º / -118.3455	5°	Township:	05S	
	UTM:	Zone-11 N3734098 E3	375358	Range:	14W	
	Mapping Precision:			Section:	-	Qtr: SE
	Symbol Type:			Meridian:	-	
	Radius:	80 meters		Elevation:	600 π	
Locatio	n: RANCHO PALOS VE QUARRY BOWL.	RDES. 0.6 AIR MILES	WEST OF MIRA CA	TALINA SCHOOL. EDGE	OF FO	RRESTAL
Location Deta	il:					
Ecologica		RUB ON NORTH-FACI ARTEMESIA CALIFO		SPECIES INCLUDE: RHI M CINEREUM.	US INT	EGRIFOLIA,
Threa	t: RESIDENTIAL DEVE	LOPMENT NEARBY. F	RECREATIONAL US	E.		
Genera	AND BICYCLISTS.	1991. CURRENT LANE	USE: OPEN SPACI	E NEAR RESIDENTIAL AI	REA US	ED BY HIKERS
Owner/Manage	er: PVT					
Sources						
BRI91F0007	BRINKMANN-BUSI, A.	FIELD SURVEY FORM	I FOR CROSSOSON	A CALIFORNICUM. 1991	-03-12	
HEN77S0003	HENRICKSON, J. HEN	RICKSON #16341 RSA	, CSLA (CITED IN H	IEN79A0001). 1977-12-05		
HEN79A0001	HENDRICKSON, J. "NO 1979-XX-XX.	TEWORTHY COLLEC	TIONS - CROSSOS	OMA CALIFORNICUM" - I	MADRO	DNO 26: 100.
HEN79S0001	HENRICKSON, J. HEN	RICKSON #17810 CSL	A. 1979-01-10.			
RAN91R0001	CITY OF RANCHO PAL	OS VERDES. DRAFT	SUPPLEMENTAL E	NVIRONMENTAL IMPACT	r repc	RT FOR TENTAT

Danaus plexipp monarch butter				Element Code: IIL	EPP2010	
	Status —	NDDB Elei	nent Ranks —	Other List	s ——	
Federal: No State: No		Global: State:		CDFG Sta	atus:	
General: WI ME Micro: RC	tat Associations NTER ROOST SITES EXTEN XICO. OOSTS LOCATED IN WIND-P CTAR AND WATER SOURC	ROTECTED TREE				
Occurrence N	o. 218 Map In	<b>dex:</b> 17190	EO Index:	12042 -	<ul> <li>Dates</li> </ul>	Last Seen —
Occ Ran Origi Presenc	<ul> <li>k: Fair</li> <li>n: Natural/Native occurrence</li> <li>e: Presumed Extant</li> </ul>				Site:	1998-11-08 1998-11-08
Tren	d: Unknown			Record Last	Updated:	2002-05-06
Quad Summar County Summar	y: Long Beach (3311872/08 y: Los Angeles	9C)				
	•	INT		-	e: 12W n: XX n: S	Qtr: XX
Locatio	n: HEARTWELL PARK, JUS BEACH	ST SE OF THE INTE	ERSECTION OF	CARSON STREET AND (	CLARK AV	/ENUE, LONG
	iI: LOCATED JUST SOUTH					
Ecologica	al: ROOST TREES CONSIS "LOLLIPOP" FASHION.	T OF A CIRCULAR	GROVE OF IN	TRODUCED (MONTEREY	?) PINES,	MANICURED IN
Threa	at: POSSIBLE THREATS IN	CLUDE PRUNING	OF TREES.			
Genera	al: PREVIOUSLY THOUGH THIS A SMALL PERMAN 1995. 25 ON 30 NOV 199	ENT SITE. 200+ OF	BSERVED ON 2	1989, MONARCHS PERSI 23 DEC 1989. NONE IN FA		,
Owner/Manage	r: CITY OF LONG BEACH					
Sources						
SAK00F0001	SAKAI, WALTER H. (SANT WINTERING SITES, SURV					FOR MONARCH
SAK89F0002	SAKAI, W.H. FIELD SURVE	EY FORM FOR DAN	IAUS PLEXIPP	US. 1989-12-23.		
SAK93F0001	SAKAI, WALTER H. (SANT WINTERING SITES, SURV		,		forms	FOR MONARCH
SAK96F0001	SAKAI, WALTER H. (SANT WINTERING SITES, SURV				Y FORMS	FOR MONARCH
SAK98F0001	SAKAI, WALTER H. (SANT WINTERING SITES, SURV		GE). STATEWIC	DE SET OF FIELD SURVE	Y FORMS	FOR MONARCH

monarch butterfly						nt Code: IILEPI		
	atus —			ment Ranks –		— Other Lists		
Federal: None State: None			Global: State:			CDFG Statu	s:	
Habita	t Associations —							
General: WIN MEX	TER ROOST SITES E	EXTEND AI	LONG THE CC	OAST FROM NO	ORTHERN MI	ENDOCINO TO B	AJA CA	LIFORNIA,
	ISTS LOCATED IN W	IND-PROT	ECTED TREE	GROVES (EU	CALYPTUS, I	MONTEREY PINE	E, CYPR	RESS), WITH
NEC	TAR AND WATER SO	DURCES N	IEARBY.					
Occurrence No.	338 N	lap Index:	47887	EO Index:	47887	_	Dates I	_ast Seen —
Occ Rank:						Ele		1985-01-23
-	Natural/Native occu						Site:	1985-01-23
	Possibly Extirpated							
Trend:	Unknown					Record Last Up	dated:	2002-05-10
Quad Summary:	San Pedro (331186	3/073A)						
County Summary:	Los Angeles							
	Lat/Long	: 33.7066	1º / -118.2943	4 <sup>0</sup>		Township:	05S	
	UTM	: Zone-11	N3730378 E3	80057		Range:		
	Mapping Precision					Section:	-	Qtr: XX
	Symbol Type		ON			Meridian:		
	Area	1				Elevation:	100 ft	
Location:	SOUTH TIP OF PA	LOS VERE	DES PENINSU	LA; POINT FEF	RMIN TO APF	ROXIMATELY 0.	35 MILE	ES NW ALONG
	POINT FERMIN BE	ACH.						
Location Detail:	ROOST TREES W	ERE LOCA	TED NEAR CH	HILDREN'S PLA	AY AREA.			
Ecological:	HABITAT CONSIS	TED MAINI	Y OF EUCAL	YPTUS TREES				
Threat:	REMOVAL OF TRE	ES						
General:	100-200 OBSERVE	D FROM N	MID-1970'S TC	EARLY 1980'S	3. 28 DEC 19	84: FEW 1000 OE	SERVE	D USING
	EUCALYPTUS TR	EES WITHI	N CITY PARK	CLUSTERS O	BSERVED O	N 23 JAN 1985. S	SITE RE	PORTED AS LOS
	WHEN TREES WE	RE REMO	VED.					
Owner/Manager:	DOT-COAST GUA	RD, UNKN	OWN					
Sources								
						FIELD SURVEY F		

	udleya			Element Code:	PDCRA040S	2
	Status —	NDDB Ele	ement Ranks —	Other L	.ists ——	
Federal: No		Global:		CNI	PS List: 1B.2	2
State: No	ne	State:	S2.2			
	tat Associations					
	DASTAL BLUFF SCRUB, COAS	STAL SCRUB.				
Micro: RC	OCKY SOILS. 5-300M.					
Occurrence N	o. 3 Map Inde	ex: 17598	EO Index:	47066	— Dates	Last Seen —
Occ Ran	k: Good				Element:	1992-03-08
Origi	n: Natural/Native occurrence				Site:	1992-03-08
	e: Presumed Extant					
Tren	d: Unknown			Record La	st Updated:	2002-01-23
Quad Summar	ry: San Pedro (3311863/073A	)				
County Summar	y: Los Angeles					
	Lat/Long: 33.72	2864º / -118 3521	4 <sup>0</sup>	Towns	ship: 05S	
	•	-11 N3732889 E			nge: 14W	
	Mapping Precision: NON				tion: XX	Qtr: XX
	Symbol Type: POL	YGON		Merio	dian: S	
	Area:			Eleva	tion: 70 ft	
Locatio	n: PALOS VERDES PENINS BEACH PARK.	JLA; FROM NEA	R PORTUGUES	E BEND SOUTHWARD	TO NEAR RO	OYAL PALMS
Locatio	BEACH PARK.	JLA; FROM NEA	R PORTUGUES	E BEND SOUTHWARD	TO NEAR RO	OYAL PALMS
Location Deta	BEACH PARK.					
Location Deta	BEACH PARK.	BLUFFS FACING	THE OCEAN. V	VITH APHANISMA BLIT	DIDES, CALA	NDRINIA
Location Deta	BEACH PARK. ii: al: ROCKY OUTCROPS ON E	BLUFFS FACING RIFOLIA, ENCELI	THE OCEAN. V IA CALIFORNIC	VITH APHANISMA BLITO A, OPUNTIA LITTORAL	DIDES, CALA	NDRINIA
Location Deta Ecologica	BEACH PARK. iii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE	BLUFFS FACING RIFOLIA, ENCELI 6, ERIOGONUM ( HAS RECENTLY	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A	VITH APHANISMA BLIT( A, OPUNTIA LITTORAL D LYCIUM CALIF.	DIDES, CALA IS, ISOCOMA	NDRINIA VERICAMERIA SP.
Location Deta Ecologica Threa	BEACH PARK. ii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A ISE.	VITH APHANISMA BLIT( A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO	DIDES, CALA IS, ISOCOMA DURSE AT TH	NDRINIA VERICAMERIA SP. HIS SITE. MAY
Location Deta Ecologica Threa	BEACH PARK. ii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A ISE.	VITH APHANISMA BLIT( A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO	DIDES, CALA IS, ISOCOMA DURSE AT TH	NDRINIA VERICAMERIA SP. HIS SITE. MAY
Location Deta Ecologica Threa Genera	BEACH PARK. iii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPO	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A ISE.	VITH APHANISMA BLIT( A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO	DIDES, CALA IS, ISOCOMA DURSE AT TH	NDRINIA VERICAMERIA SP. HIS SITE. MAY
Location Deta Ecologica Threa Genera Owner/Manage	BEACH PARK. al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOI SITES KNOWN TO HER. ar: PVT, UNKNOWN	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A ISE.	VITH APHANISMA BLIT( A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO	DIDES, CALA IS, ISOCOMA DURSE AT TH	NDRINIA VERICAMERIA SP. HIS SITE. MAY
Location Deta Ecologica Threa Genera	BEACH PARK. al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOI SITES KNOWN TO HER. ar: PVT, UNKNOWN	BLUFFS FACING RIFOLIA, ENCELI 6, ERIOGONUM ( HAS RECENTLY W/GOLF COUR RTED THAT THE	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A SE. SE SITES ON T	VITH APHANISMA BLITC A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CC THE SAN PEDRO QUAD	DIDES, CALA IS, ISOCOMA DURSE AT TH ARE THE BE	NDRINIA VERICAMERIA SP. HIS SITE. MAY EST QUALITY
Location Deta Ecologica Threa Genera Owner/Manage	BEACH PARK. ii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOR SITES KNOWN TO HER. er: PVT, UNKNOWN	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR RTED THAT THE S W/GOLF COUR	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A SE. SE SITES ON T I FOR DUDLEY	VITH APHANISMA BLITO A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO THE SAN PEDRO QUAD	DIDES, CALA IS, ISOCOMA DURSE AT TH ARE THE BE	NDRINIA VERICAMERIA SP. HIS SITE. MAY EST QUALITY X-XX.
Location Deta Ecologica Threa Genera Owner/Manage —— Sources BRI90F0001	BEACH PARK. al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOI SITES KNOWN TO HER. PT: PVT, UNKNOWN BRINKMANN-BUSI, A. FIELD	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR RTED THAT THE S SURVEY FORM SURVEY FORM	THE OCEAN. V IA CALIFORNIC CINEREUM, AN Y APPROVED A SE. SE SITES ON T I FOR DUDLEY	VITH APHANISMA BLITO A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO THE SAN PEDRO QUAD	DIDES, CALA IS, ISOCOMA DURSE AT TH ARE THE BE	NDRINIA VERICAMERIA SP. HIS SITE. MAY EST QUALITY X-XX.
Location Deta Ecologica Threa Genera Owner/Manage —— Sources BRI90F0001	BEACH PARK. ii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGF MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOR SITES KNOWN TO HER. er: PVT, UNKNOWN BRINKMANN-BUSI, A. FIELD BRINKMANN-BUSI, A. FIELD	BLUFFS FACING RIFOLIA, ENCELI 6, ERIOGONUM ( HAS RECENTLY W/GOLF COUR RTED THAT THE SW/GOLF COUR RTED THAT THE SURVEY FORM SURVEY FORM 991-05-24.	THE OCEAN. V IA CALIFORNIC CINEREUM, AN APPROVED A SE. SE SITES ON T FOR DUDLEY FOR DUDLEY	VITH APHANISMA BLITC A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CC THE SAN PEDRO QUAD A VIRENS SSP. INSULA	DIDES, CALA IS, ISOCOMA DURSE AT TH ARE THE BE ARIS. 1990-X)	NDRINIA VERICAMERIA SP. HIS SITE. MAY EST QUALITY X-XX. RITIMA & DUDLEYA
Location Deta Ecologica Threa Genera Owner/Manage Sources BRI90F0001 BRI91F0001	BEACH PARK. ii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOI SITES KNOWN TO HER. er: PVT, UNKNOWN BRINKMANN-BUSI, A. FIELE BRINKMANN-BUSI, A. FIELE VIRENS SSP. INSULARIS. 1	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR RTED THAT THE S SURVEY FORM SURVEY FORM 991-05-24.	THE OCEAN. V IA CALIFORNIC CINEREUM, AN APPROVED A SE. SE SITES ON T FOR DUDLEY FOR DUDLEY	VITH APHANISMA BLITC A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CC THE SAN PEDRO QUAD A VIRENS SSP. INSULA	DIDES, CALA IS, ISOCOMA DURSE AT TH ARE THE BE ARIS. 1990-X)	NDRINIA VERICAMERIA SP. HIS SITE. MAY EST QUALITY X-XX. RITIMA & DUDLEYA
Location Deta Ecologica Threa Genera Owner/Manage Sources BRI90F0001 BRI91F0001	BEACH PARK. ii: al: ROCKY OUTCROPS ON E MARITIMA, RHUS INTEGE MALACOTHRIX SAXITILIS at: CITY OF PALOS VERDES ALSO BECOME HOUSING al: BRINKMANN-BUSI REPOI SITES KNOWN TO HER. er: PVT, UNKNOWN BRINKMANN-BUSI, A. FIELD VIRENS SSP. INSULARIS. 1 BRINKMANN-BUSI, A. SURV	BLUFFS FACING RIFOLIA, ENCELI S, ERIOGONUM ( HAS RECENTLY W/GOLF COUR RTED THAT THE O SURVEY FORM 991-05-24. /EY WRITE-UP F E. 1991-10-29.	THE OCEAN. V IA CALIFORNIC CINEREUM, AN APPROVED A SE. SE SITES ON T FOR DUDLEY FOR DUDLEY OR DUDLEYA	VITH APHANISMA BLITC A, OPUNTIA LITTORAL D LYCIUM CALIF. HOTEL WITH GOLF CO THE SAN PEDRO QUAD A VIRENS SSP. INSULA SMA BLITOIDES, CALAN	DIDES, CALA IS, ISOCOMA DURSE AT TH ARE THE BE ARIS. 1990-X) NDRINIA MAR	NDRINIA VERICAMERIA SP. HIS SITE. MAY EST QUALITY X-XX. RITIMA & DUDLEYA

Dudleya virens	-							
island green du	-					nt Code: PDCR		2
S	Status —		— NDDB Ele	ment Ranks –		— Other Lists		
Federal: Nor			Global:			CNPS Lis	st: 1B.2	2
State: Nor	le		State:	S2.2				
Habit	at Associations —							
	ASTAL BLUFF SCRUB,	COASTA	L SCRUB.					
Micro: RO	CKY SOILS. 5-300M.							
Occurrence No	<b>5.</b> 19 <b>M</b> a	ap Index:	01943	EO Index:	47104		Dates	Last Seen —
Occ Rank	c: Unknown					Ele	ment:	1934-06-07
•	: Natural/Native occur	rence					Site:	1934-06-07
	Presumed Extant							
Trenc	I: Unknown					Record Last Up	dated:	2002-01-28
Quad Summary	y: San Pedro (3311863	3/073A)						
County Summary	: Los Angeles							
	Lat/Long:	33.7063	9º / -118.2934	1°		Township:	05S	
			N3730352 E3	80142		Range:		
	Mapping Precision:		ECIFIC			Section:		Qtr: XX
	Symbol Type: Radius:	1/5 mile				Meridian: Elevation:	-	
	Naulus.	1/0 11110				Lievation.	100 11	
Location	n: POINT FERMIN.							
Location Detai	1:							
Ecologica	l:							
Threa	t:							
Genera	I: NEEDS FIELDWOR	K.						
Owner/Manage	r: UNKNOWN							
Sources _								
MOR43A0001	MORAN, R. A REVISIO	ON OF DU	DLEYA SUBO	SENUS STYLO	PHYLLUM IV	IN DESERT PLA	NT LIFE	E. 1943-02-XX.
MOR95A0001	MORAN, R. "THE SUB	SPECIES	OF DUDLEY	A VIRENS (CRA	ASSULACEA	E)." HASELTONIA	A 3:1. 19	995-XX-XX.
WES34S0001	WEST, J. WEST SN C.	AS, UC #5	525838 (CITEL	D IN MOR43A00	001, MOR95	40001). 1934-06-0	)7.	

u <b>dleya virens s</b> island green dudl	-				Element Co	de: PDCR	A040S	2
Sta	atus —		— NDDB Ele	ment Ranks -	c	ther Lists		
Federal: None			Global:		-	CNPS Lis		2
State: None			State:	S2.2				
Habitat	Associations —							
General: COAS	STAL BLUFF SCRUB,	COASTA	L SCRUB.					
	XY SOILS. 5-300M.							
Occurrence No.	20 <b>M</b> a	p Index:	47105	EO Index:	47105		Dates	Last Seen —
Occ Rank:						Ele	ment:	1946-06-12
-	Natural/Native occur	rence					Site:	1946-06-12
	Presumed Extant							
I rend:	Unknown				Reco	ord Last Up	dated:	2002-01-28
Quad Summary:	San Pedro (3311863	/073A)						
County Summary:	Los Angeles							
	Lat/Long:	33.7160	6º / -118.3161	30		Township:	05S	
	UTM:	Zone-11	N3731451 E3	378051		Range:	14W	
	Mapping Precision:		PECIFIC			Section:	-	Qtr: XX
	Symbol Type:					Meridian:	S	
	Radius:	1/5 mile				Elevation:		
Location:	WHITES POINT, WE	ST OF P	OINT FERMIN					
Location Detail:	MAPPED AS BEST	GUESS T	O INCLUDE B	LUFFS AROUN	ND WHITES POIN	T BY CNDDE	3.	
Ecological:								
Threat:								
General:	NEEDS FIELDWORK	κ.						
Owner/Manager:	UNKNOWN							
Sources								
	MORAN, R. "THE SUB	SPECIES	OF DUDLEY	A VIRENS (CR.	ASSULACEAE)." H	IASELTONIA	A 3:1. 19	995-XX-XX.
	,	-		<b>v</b> =	/			

Glaucopsyche	lygdamus pal	osverdesensis	5					
Palos Verdes	-					Code: IILEP		
Federal: Er State: No	dangered		NDDB Eleme Global: G State: S	65T1		<ul> <li>Other Lists</li> <li>CDFG Statu</li> </ul>		
General: RE	itat Associations ESTRICTED TO TH DUNTY. DST PLANT IS AST	E COOL, FOG-SH					, LOS A	NGELES
Occurrence N	lo 4	Map Index: 0'	1861	EO Index:	23024		Dates	_ast Seen
Occ Rar Orig	<ul> <li>ik: None</li> <li>in: Natural/Native</li> <li>:e: Possibly Extirp</li> </ul>	occurrence			20021		ement:	1983-XX-XX 1988-XX-XX
	d: Unknown				R	ecord Last Up	dated:	2004-12-22
	ry: San Pedro (33 ry: Los Angeles	11863/073A)						
	Mapping Preci Symbol <sup>-</sup>	ong: 33.72993°/ UTM: Zone-11 N3 sion: NON-SPEC Type: POLYGON Area:	3733006 E376 CIFIC	734		Township: Range: Section: Meridian: Elevation:	14W 22 S	Qtr: XX
Locatio	n: SWITCHBACK FRIENDSHIP	X AREA PALOS VE PARK, RANCHO P			AR RD NEAR	JCT W/PALOS	S VERDI	ES DR E;
	ail: 3 LOCATIONS HABITAT, FOF al: 39 ASTRAGAL	R THE BUTTERFLY	Υ.					
-		STRAGALUS POF	PULATION.					
Gener	OR PUPAL ST al: SITE NEEDS E			AND A FIRE M	1ANAGEMEN	T PLAN TO MIN	NIMIZE (	DAMAGE FROM
	DISKING. GOO	DD AREA FOR RE EXTIRPATED.						
Owner/Manage	er: PVT, CITY OF	R.P.V, LAX COUN	ITY					
ARN80R0001	ARNOLD, RICHA	ARD. DRAFT: MS ( GURES, PROVIDE				FRANCISCO P	ENINSU	ILA. COPIES OF
ARN80R0002	ARNOLD, RICHA (DRAFT). 1980->	ARD A. STATUS O (X-XX.	F PROPOSEI	D THREATENI	ED OR ENDAI	NGERED CALI	FORNIA	LEPIDOPTERA
ARN81R0001		ARD A. DISTRIBUT ENDANGERED OI		-			ORNIA L	EPIDOPTERA
ARN82U0001	ARNOLD, RICHA 1982-07-16.	ARD A. LETTER AN	ND MAPS SEN	NT TO USFWS	S SESO WITH	I 1982 FIELD R	ESEAR	CH DATA.
ARN85R0001	ARNOLD, RICHA	RD A. PALOS VE	RDES BLUE E	BUTTERFLY N	MANAGEMEN	T PLAN, FINAL	AND D	RAFT. 1985-05-30.
ARN85R0002		ARD A. FINAL REP AL AND ECOLOGIO						AME,
ARN86F0013		ARD A. FIELD SUR WITH PALOS VEF				BUTTERFLY	FOR VIS	STA DEL MAR NEAF
ARN86F0014	ARNOLD, RICHA LOCATION. 1986	ARD A. FIELD SUR 6-05-XX.	VEY FORM F	OR PALOS V	ERDES BLUE	BUTTERFLY	AT FRIE	NDSHIP PARK
ARN90A0001	ARNOLD, RICHA	ARD A. ECOLOGY	AND CONSE	RVATION OF	TWO ENDAN	IGERED SOUT	HERN (	CALIFORNIA

Status				
Federal: State:	Endangered None	Global: State:		CDFG Status:
I	labitat Associations —			
General:	RESTRICTED TO THE CO	OOL, FOG-SHROUDED,	SEAWARD SIDE	OF PALOS VERDES HILLS, LOS ANGELE
	COUNTY.			
	LOCT DI ANITIC ACTOAC	SALUS TRICHOPODUS \	AR LONCHUS	

MAT92A0001 MATTONI, RUDI. REDISCOVERY OF THE ENDANGERED PALOS VERDES BLUE BUTTERFLY, GLAUCOPSYCHE LYGDAMUS PALOSVERDESENSIS. PERKINS & EMMEL (LYACENIDAE). JOUR. RES. LEPIDOP. 1992 [1995]. 31(3-4):180-194. 1992-XX-XX.

Palos Verdes b	Iygdamus palosve			Element Cod	e: IILEP	G402A		
	Status —	NDDB Flei	ment Ranks –	Otl	ner Lists			
Federal: End State: Not	dangered	Global: State:	G5T1		CDFG Status:			
——— Habi	tat Associations							
со	STRICTED TO THE COO UNTY. ST PLANT IS ASTRAGA				DES HILLS	S, LOS A	NGELES	
Occurrence N	o. 7 Ma	p Index: 01760	EO Index:	23021		Dates	Last Seen —	
Occ Ran Origi		•			El€	ement: Site:	XXXX-XX-XX 1988-XX-XX	
Trene	<b>1:</b> Unknown			Recor	d Last Up	dated:	2000-01-05	
Quad Summar County Summar	y: Torrance (3311873/0 y: Los Angeles	90D), San Pedro (33118	863/073A)					
	-	POINT		,	ownship: Range: Section: Meridian: levation:	14W XX S	Qtr: XX	
Location Location Deta Ecologica Threa	ıl:	I, NEAR NARCISSA DR	, ALONG FOO	T TRAIL; RANCHO	PALOS VE	ERDES.		
	FOUND IN 1986. GO	AGE SCRUB HABITAT, OD AREA FOR RE-ES	BUT MAY BE	DEVELOPED IN TH	IE FUTUR			
Owner/Manage	r: PVT-FILIORUM COR	RP						
Sources -								
ARN85R0001	ARNOLD, RICHARD A.	. PALOS VERDES BLUI	E BUTTERFLY	MANAGEMENT PL	AN, FINAL	_ AND D	RAFT. 1985-05-30	
ARN85R0002	ARNOLD, RICHARD A. FINAL REPORT FOR CONTRACT C-616 WITH CALIFORNIA FISH AND GAME, DISTRIBUTIONAL AND ECOLOGICAL STUDIES OF 5 ENDANGERED INSECTS. 1985-04-29.						AME,	
ARN86F0007		ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT ALTAMIRA CANYON LOCATION. 1986-05-XX.						
ARN90A0001								

Palos Verdes b	olue butterfly	Element Code: IILEPG402A							
\$	Status ———	NDDB Ele	ment Ranks –	O					
Federal: End	dangered	Global:	Global: G5T1			s:			
State: Nor	ne	State:	S1						
Habi	tat Associations —								
со	STRICTED TO THE CO DUNTY. DIST PLANT IS ASTRAGA				DES HILLS	, LOS A	NGELES		
Occurrence N	o. 9 Ma	p Index: 01822	EO Index:	23019		Dates	_ast Seen		
Occ Ran		P			Ele	ement:	1982-XX-XX		
Origi	n: Natural/Native occur	rence				Site:	1988-XX-XX		
Presence	e: Possibly Extirpated								
Trene	d: Unknown			Reco	ord Last Up	dated:	2000-01-05		
Quad Summar County Summar	y: San Pedro (3311863 y: Los Angeles	/073A)							
	Lat/Long:	33.73973º / -118.3475	7°	-	Township:	05S			
	UTM:	Zone-11 N3734114 E3	375171		Range:				
	Mapping Precision:	NON-SPECIFIC			Section:	XX	Qtr: XX		
	Symbol Type:				Meridian:				
	Radius:	1/5 mile			Elevation:	600 ft			
Locatio	n: CANYON NEAR FO	RRESTAL DR; N & W O	F FORRESTAL	-PVT DR INTERS	ECTION, E	OF KLO	NDIKE CYN.		
Location Deta	il:								
Ecologica	al:								
Threa	at: ORV'S ACTIVELY U	SE THE AREA & CREA	TING TRAILS.	RESIDENTIAL DE	VELOPMEN		DING.		
Genera	al: BOTH PALOS VERD	DES BLUE (EGGS, LAR	VAE & ADULTS	6) AND ASTRAGA	LUS OBSEF	RVED H	ERE IN 1982. 3		
	ASTRAGALUS OBS	ERVED IN 1985, 8 IN 19	986;12 IN 1987	; 16 IN 1988; NO P	VBB OBSE	RVED.			
Owner/Manage	r: PVT-PALOS VERDE	S PROPERTIES							
Sources -									
Sources - RN85R0001	ARNOLD, RICHARD A	. PALOS VERDES BLU	E BUTTERFLY	MANAGEMENT P	LAN, FINAL	AND D	RAFT. 1985-05-30.		
RN85R0002	ARNOLD, RICHARD A	. FINAL REPORT FOR	CONTRACT C-	616 WITH CALIFC	RNIA FISH	AND G	AME,		
	DISTRIBUTIONAL ANI	D ECOLOGICAL STUDI	ES OF 5 ENDA	NGERED INSECT	S. 1985-04-	29.			
RN86F0009	ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT FORRESTAL DRIVE LOCATION. 1986-05-XX.								
RN90A0001	*	SHED IN: MEMOIRS O	AND CONSERVATION OF TWO ENDANGERED SOUTHERN CALIFORNIA EMOIRS OF THE NATURAL HISTORY FOUNDATION OF ORANGE COUNTY - V						

Palos Verdes blu					ode: IILEPG		
St	atus —	NDDB E	Element Ranks -	(	Other Lists -		
Federal: Enda State: None	0		ll: G5T1 e: S1		CDFG Status	:	
— Habita	t Associations ——						
COL	TRICTED TO THE COC NTY.				RDES HILLS, I	LOS A	NGELES
Micro: HOS	T PLANT IS ASTRAGAI	US TRICHOPODU	S VAR. LONCHU	S (LOCOWEED).			
Occurrence No.	10 <b>Ma</b> p	Index: 01838	EO Index:	23017			ast Seen —
Occ Rank:							1983-XX-XX
-	Natural/Native occurre	ence				Site:	1988-XX-XX
	Possibly Extirpated Unknown			_			2000 01 04
Trena.	UTIKITOWIT			Rec	ord Last Upd	ated:	2000-01-04
Quad Summary	: San Pedro (3311863/	073A)					
County Summary:	Los Angeles						
	Lat/Long:	33.73182º / -118.34	123º		Township:	05S	
	-	Zone-11 N3733229	E375747		Range:		
	Mapping Precision:				Section:		Qtr: XX
	Symbol Type: Area:	POLYGON			Meridian: S		
	Alea.					500 H	
Location	GULFCREST-HERON DR.	C DR AREA; ALONO	G TRAIL ON HILL	SIDE BEYOND EI	ND OF GULFC	REST	DR NEAR HEROIC
Location Detail	PALO VISTA DRIVE, JUNCTION WITH 251		DEVELOPMENT (	ON NORTH SIDE	OF ROAD APF	PROX <sup>/</sup>	1500 FT WEST OF
Ecological							
	GRADING AND DISK						
General	SITE DISCOVERED I PLANTS). 1 OF 2 SIT ALTHOUGH ASTRAG	ES WHERE PVBB	VAS OBS IN 1983	3. ENTIRE SITE D			,
Owner/Manager:	PVT						
Sources							
ARN85R0001	ARNOLD, RICHARD A.	PALOS VERDES B	LUE BUTTERFLY	MANAGEMENT	PLAN, FINAL A	AND D	RAFT. 1985-05-30.
	ARNOLD, RICHARD A. DISTRIBUTIONAL AND						AME,
	ARNOLD, RICHARD A. DRIVE AREA. 1986-05-		RM FOR PALOS	VERDES BLUE B	UTTERFLY IN	I GULF	CREST - HEROIC
	ARNOLD, RICHARD A. CLIFF HILLS DEVELOF			VERDES BLUE B	UTTERFLY A	T PALC	O VISTA DRIVE - SE
	ARNOLD, RICHARD A. AVENUE LOCATION. 1		RM FOR PALOS	VERDES BLUE B	UTTERFLY A	T PASE	EO DEL MAR
ARN86R0002	ARNOLD, RICHARD A.	STUDIES OF THE I	EL SEGUNDO BL	UE BUTTERFLY -	- 1984. 1986-0	6-XX.	
ARN90A0001	ARNOLD, RICHARD A. BUTTERFLIES (PUBLIS 3, PAGES 36-47). 1990-	ECOLOGY AND CO HED IN: MEMOIRS	NSERVATION C	F TWO ENDANG	ERED SOUTH	ERN C	

Palos Verdes b	olue butterfly				Element C	ode: IILEP	G402A	
	Status ———	NDDB Element Ranks				Other Lists		
Federal: En State: No	0	Global: G5T1 State: S1			CDFG Statu	IS:		
General: RE	itat Associations STRICTED TO THE DUNTY. DST PLANT IS ASTR	COOL, FOG-					S, LOS A	NGELES
Occurrence N		Map Index:		EO Index:	,		Dates	Last Seen —
Occ Ran Origi	<ul> <li>k: None</li> <li>n: Natural/Native o</li> <li>e: Extirpated</li> </ul>		01002	LO IIIdex.	23010		ement:	XXXX-XX-XX 1986-05-XX
Tren	d: Unknown				Re	cord Last Up	dated:	1995-10-30
Quad Summar County Summar	ry: San Pedro (331 <sup>-</sup> ry: Los Angeles	863/073A)						
	U Mapping Precis Symbol Ty	M: Zone-11	4º / -118.31479 N3731703 E3 PECIFIC			Township: Range: Section: Meridian: Elevation:	14W XX S	Qtr: XX
Locatio	n: WHITES POINT	PARK (AKA F	T MACARTHU	JR MIL RES).				
Location Deta								
Ecologic	al: at: AREA IS DISKE							c
	al: AREA IS DISKE al: ABANDONED P 1983; ALTHOUC DETERMINED I	ORTION OF N	/ILITARY RES D, PERSISTED	ERVATION; OVI 0 TO 1985. NO P	ERGROWN WI VBB EVER OB	TH WEEDS.	3 ASTR	AGALUS FOUND IN
Owner/Manage	er: CITY OF LOS A	NGELES, STA	TE					
Sources								
RN85R0001	ARNOLD, RICHAF	D A. PALOS	VERDES BLUI	E BUTTERFLY M	IANAGEMENT	PLAN, FINAL	AND D	0RAFT. 1985-05-30.
RN85R0002	ARNOLD, RICHAF DISTRIBUTIONAL							AME,
RN86F0015	ARNOLD, RICHAF LOCATION. 1986-		URVEY FORM	I FOR PALOS VI	ERDES BLUE I	BUTTERFLY	AT WHI	TE POINT PARK

Palos Verdes	blue butterfly			Element	Code: IILEPG	402A		
	Status		ent Ranks —					
Federal: Er State: No	0	Global: G5T1 State: S1		CDFG Status:				
General: RI	itat Associations ESTRICTED TO THE COOL, FO DUNTY. DST PLANT IS ASTRAGALUS T					LOS A	NGELES	
Occurrence N	lo. 16 Map Inde	<b>x:</b> 01823	EO Index:	23009	— I	Dates L	_ast Seen	
Orig	nk: None in: Natural/Native occurrence				Eler	nent: Site:	1981-XX-XX 1988-XX-XX	
	ce: Possibly Extirpated d: Unknown			R	ecord Last Upd	ated:	2000-01-05	
Quad Summa	ry: San Pedro (3311863/073A)	, Torrance (331187	/3/090D)					
County Summa	ry: Los Angeles							
	•	т			Township: Range: Section: Meridian: Elevation:	14W XX S	<b>Qtr:</b> XX	
Locatio	on: TOP OF SAN PEDRO HILL	, BOUNDED BY C	REST RD WE	ST; RANCHO	PALOS VERDES	S.		
Location Deta	ail:							
Ecologic	al:							
	at: GRADING AND ENCROAC							
	al: PVBB AND ASTRAGALUS 5 PLANTS) BY GRADING I NO PVBB OBSERVED SIN er: PVT-S&S CONSTRUCTION	N APRIL 1983. 32 CE 1981 SITING.					,	
Sources								
ARN82U0001	ARNOLD, RICHARD A. LETT 1982-07-16.	ER AND MAPS SE	INT TO USFW	'S SESO WITH	1982 FIELD RE	SEAR	CH DATA.	
ARN85R0001	ARNOLD, RICHARD A. PALC	S VERDES BLUE	BUTTERFLY	MANAGEMEN	IT PLAN, FINAL	AND D	RAFT. 1985-05-30	
ARN85R0002	ARNOLD, RICHARD A. FINAI DISTRIBUTIONAL AND ECO						AME,	
ARN86F0016	ARNOLD, RICHARD A. FIELE LOCATION. 1986-05-XX.	SURVEY FORM	FOR PALOS \	/ERDES BLUE	BUTTERFLY A	T SAN	PEDRO HILL	
ARN90A0001	ARNOLD, RICHARD A. ECOL BUTTERFLIES (PUBLISHED 3, PAGES 36-47). 1990-07-01	IN: MEMOIRS OF						

Palos Verdes bl	•		Element Code: IILEPG402A							
S	itatus ———	NDDB El	ement Ranks ———	Other Lists						
Federal: End State: Nor	-	Global: G5T1 State: S1		CDFG Statu	s:					
——— Habit	at Associations —									
General: RES	STRICTED TO THE CO	OL, FOG-SHROUDED,	SEAWARD SIDE OF PA	ALOS VERDES HILLS	, LOS A	NGELES				
CO	UNTY.									
Micro: HO	ST PLANT IS ASTRAG	ALUS TRICHOPODUS	VAR. LONCHUS (LOCO	WEED).						
Occurrence No	o. 17 Ma	ap Index: 01941	EO Index: 23007		Dates	Last Seen				
Occ Rank						XXXX-XX-XX				
Origin	: Natural/Native occur	rence			Site:	1986-05-XX				
Presence	: Extirpated									
Trend	I: Unknown			Record Last Up	dated:	1995-11-02				
Quad Summary	/: San Pedro (3311863	3/073A)								
County Summary		,								
	Lat/Long:	33.71140º / -118.2950	70	Township:	059					
	•	Zone-11 N3730910 E		Range:						
	Mapping Precision:			Section:		Qtr: XX				
	Symbol Type:			Meridian:	S					
	Radius:	1/5 mile		Elevation:	200 ft					
Location	: FORT MACARTHU	R UPPER RES AREA, S	S OF SWIMMING POOL	ALONG RD NR GAFF	EY LOO	OKOUT.				
Location Detai	l:									
Ecologica	I:									
-		MOWED, OTHERS DIS	KED ANNUALLY FOR F	IRE CONTROL.						
			NOW OPERATED AS A		TY OF I	OS ANGELES.				
Conora			IE FROM 1983 THROUG							
			OODPLANT COULD BE		,					
Owner/Manage	r: LOS ANGELES CO	JNTY								
U										
Sources -										
ARN85U0001	ARNOLD, RICHARD A. (ENTOMOLOGICAL CONSULTING SERVICES). LETTER TO JACK PARNELL, DIRECTOR PROVIDING COLLECTION DATA FOR VELB. 1985-09-18.									
ARN86F0017	ARNOLD, RICHARD A	. FIELD SURVEY FOR	M FOR PALOS VERDES	BLUE BUTTERFLY	AT FOR	T MACARTHUR				

04		NDDB Element Ranks				Other Lists			
Federal: None State: None		Global: G5 State: S3S4		CD	FG Statu	s:			
Habitat	Associations —								
		AL & MONTANE FOREST DWELLER FEEDING OVER STREAMS, PONDS & OPEN BRUSHY							
	STS IN HOLLOW TR ER ROCKS. NEEDS			ATING BARK,	ABANDONED WOOD	PECKER	HOLES	S & RARELY	
Occurrence No.	50 N	lap Index:	68566	EO Index	68930		Dates I	.ast Seen —	
Occ Rank:	Unknown Natural/Native occu	irronco				Ele		1986-11-18 1986-11-18	
0	Presumed Extant	Inence					one.	1500-11-10	
Trend:	Unknown				Record	Last Up	dated:	2007-03-20	
Quad Summary:	Long Beach (33118	372/089C)							
County Summary:	Los Angeles								
			5º / -118.2005		То	wnship:			
			N3739869 E3	88858		Range: Section:		Qtr: SE	
	Mapping Precision Symbol Type					eridian:			
		: 80 mete	rs			evation:	-		
Location:	LONG BEACH, JU	ST SOUTH	OF INTERSE	CTION OF 20	H ST AND MAINE A	/E.			
Location Detail:	MAPPED ACCORE	DING TO LO	DCALITY DES	CRIPTION AN	D LAT/LONG COORE	INATES I	PROVIE	DED BY MANIS.	
Ecological:									
Threat:									
General:	1 MALE SPECIME ON 18 NOV 1986.	N (MVZ #18	31854) COLLE	CTED AT "LO	NG BEACH, 1995 MA	INE" BY D	DENNY	G. CONSTANTIN	
Owner/Manager:									
— Sources —									
N04S0022					PRINTOUT OF LASI				

Т

Santa Catalina I	sland desert-thorn			Element	Code: PDSC	L0G0N	0
Federal: Non State: Non		NDDB Element Ranks         Other Lists           Global:         G1Q         CNPS List:         1B.1           State:         S1.1					
——— Habita	at Associations						
		UB, COASTAL SCRUB. D SLOPES. 10-300M.					
Occurrence No	. 4	Map Index: 55709	EO Index:	55725		Dates I	Last Seen —
0	: Fair : Natural/Native or : Presumed Extan				Ele		1992-05-21 1992-05-21
Trend	: Unknown			Re	ecord Last Up	dated:	2004-06-07
Quad Summary County Summary	: San Pedro (3311 : Los Angeles	863/073A)					
	U Mapping Precisi Symbol Ty	ng: 33.73805° / -118.374 FM: Zone-11 N3733960 E on: SPECIFIC pe: POLYGON rea: 2.0 acres			Township: Range: Section: Meridian: Elevation:	14W 17 S	Qtr: XX
Location	: ON TOP (EDGE) RESERVE	) OF PORTUGUESE POIN	IT, RANCHO PAI	LOS VERDES, A	ABALONE CO	/E ECO	LOGICAL
Location Detail	: ALONG WEST E	DGE AND SOUTH END C	F POINT.				
Ecological		PE BELOW HAS COASTA STS OF NON-NATIVE AN		,			
Threat	: TOP OF POINT REMAIN ON SIT	GRADED IN THE 1930S, E E.	BUT NEVER DE	VELOPED. SOM	ME PLANTED	ORNAM	IENTAL EXOTICS
General	NYBG, WHO KE	SEEN IN 1992, FORMING . YED SUBSPECIES AS HA YCIUM. FOUND BY SAND	SSEI. ON THE I				
Owner/Manager	: UNKNOWN						
Sources _							
BRI92F0003	BRINKMANN-BUS	I, A. FIELD SURVEY FOR	M FOR LYCIUM	BREVIPES VAF	R. HASSEI. 199	92-02-27	7.
		I, A. PLANT PORTRAIT: C ECOVERY. XXXX-XX-XX.		D DESERT THO	ORN (LYCIUM	BREVIF	PES VAR. HASSEI)
SAN93U0004	SANDERS, A. COM	MMENTS FOR CNPS INVE	ENTORY 5. 1993	-10-XX.			

TIBOR, D. EMAIL TO S. BOYD REGARDING LYCIUM BREVIPES VAR. HASSEI. 2004-01-20.

TIB04U0001

Navarretia prostrata	
prostrate vernal pool navarretia Eleme	ent Code: PDPLM0C0Q0
Status — NDDB Element Ranks — NDDB RANK → NDDB A + NDDB → NDD → NDD → NDDB → NDD → NDD → NDDB → NDD → N	— Other Lists —
Federal: None Global: G2?	CNPS List: 1B.1
State: None State: S2.1?	
Habitat Associations	
General: COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.	
MICRO: ALKALINE SOILS IN GRASSLAND, OR IN VERNAL POOLS. MESIC, ALKALIN	NE SITES. 15-700M.
Occurrence No. 10 Map Index: 39864 EO Index: 47944	Dates Last Seen
Occ Rank: None	Element: 1882-05-XX
Origin: Natural/Native occurrence	Site: 1882-05-XX
Presence: Possibly Extirpated	
Trend: Unknown	Record Last Updated: 2002-05-20
Quad Summary: Torrance (3311873/090D), Long Beach (3311872/089C)	
County Summary: Los Angeles	
Lat/Long: 33.79001º / -118.24785º	Township: 04S
UTM: Zone-11 N3739572 E384477	Range: 13W
Mapping Precision: NON-SPECIFIC	Section: 33 Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 1 mile	Elevation: 30 ft
Location: WILMINGTON.	
Location Detail:	
Ecological:	
Threat:	
General: NEEDS FIELDWORK. POPULATION PROBABLY EXTIRPATED.	
Owner/Manager: UNKNOWN	
Sources	
JEPSON, W. A FLORA OF CALIFORNIA, UNIVERSITY OF CALIFORNIA,	BERKELEY - VOL.3, PART II. 1943-XX-XX.
NEV82S0001 NEVIN, J. NEVIN SN UC #709723. 1882-05-XX.	
NEV82S0002 NEVIN, J. NEVIN SN JEPS #14736. 1882-05-XX.	
NEVNDS0002 NEVIN. NEVIN SN HERBARIUM UNKNOWN (CITED IN JEP43B0001). XX	XX-XX-XX.

coast woolly-					Element Code: PDF		
	- Status		— NDDB Ele	ment Ranks —	Other Lists		
Federal: N				G3G4T3?	CNPS L	.ist: 1B.	2
State: N	lone	State: S2.2					
Hal	bitat Associations –						
General: C	OASTAL DUNES.						
Micro: 0	-100M.						
Occurrence	<b>No.</b> 21	Map Index:	27996	EO Index:	22217 —	- Dates	Last Seen —
Occ Ra	ink: Unknown				E	lement:	1905-XX-XX
	gin: Natural/Native oc					Site:	1905-XX-XX
	ce: Presumed Extant						
Tre	nd: Unknown				Record Last U	pdated:	1996-06-11
Quad Summa	ary: San Pedro (33118	363/073A)					
County Summa	ary: Los Angeles						
	Lat/Lor	<b>ig:</b> 33.7404	.5º / -118.26454	1º	Township	: 05S	
			N3734096 E3	82864		: 13W	
	Mapping Precisio		PECIFIC		Section	-	Qtr: XX
	Symbol Typ	<b>be:</b> POINT Is: 3/5 mile			Meridian Elevation		
	Radit	IS: 3/5 mile			Elevation	: 2011	
Locati	ion: EAST SAN PEDR	O, TERMIN	AL ISLAND.				
Location De	tail:						
Ecologi	cal:						
Thr	eat:						
Gene		RTED IN TW	O COLLECTIO	NS BY GRANT	; GRANT (SN DS) IN 1898 A	ND GRA	NT (#827 DS) IN
	1901-1905.						
Owner/Manag	ger: UNKNOWN						
Sources							
		IT #007 DO	#00E00 400E	$\vee \vee \vee \vee$			
GRA05S0001	GRANT, G.B. GRAN	NT #827 DS	#66596. 1905-	^^-^^.			

coast woolly-head	ds				Element Code	: PDPC	SN0G01	1
Sta	atus ———		— NDDB Ele	ment Ranks —	Oth	er Lists		
Federal: None				G3G4T3?		CNPS Lis	st: 1B.2	2
State: None			State:	S2.2				
Habitat Associations General: COASTAL DUNES.								
<b>Micro:</b> 0-100	DM.							
Occurrence No.	22	Map Index:	27997	EO Index:	22231		Dates I	Last Seen —
Occ Rank:						Ele		XXXX-XX-XX
•	Natural/Native occ	currence					Site:	XXXX-XX-XX
	Presumed Extant							
Trend:	Unknown				Record	I Last Up	dated:	1996-07-08
Quad Summary:	Long Beach (3311	872/089C)						
County Summary:	Los Angeles							
	Lat/Lon	<b>g:</b> 33.7712	20º / -118.18868	30	То	wnship:	05S	
			N3737422 E3	89931		Range:		
	Mapping Precisio		PECIFIC		-	Section:	-	Qtr: XX
	Symbol Typ					eridian:	-	
	Radiu	s: 1 mile			El	evation:	20 π	
Location:	LONG BEACH.							
Location Detail:								
Ecological:								
Threat:								
General:	ONLY SOURCE C	DF INFORM	ATION FOR TH	IS SITE IS UND	DATED COLLECTIO	N BY PA	RISH NO	OTED IN "FLORA
	OF CALIFRONIA,	VOL. I" BY	JEPSON (1909	9).				
Owner/Manager:	UNKNOWN							
— Sources —								
P09B0001	JEPSON, W. FLORA	OF CALIF	ornia, vol. 1	. 1909-XX-XX.				
CC96S0003	MCCLATCHIE, A. M	CCLATCHI	E SN UC #6596	5. 1896-07-01.				

San Diego desert					Element Code:			
	tus —	NDDB Element Ranks						
Federal: None State: None			Global: State:		CDF	G Statu	is: SC	
Habitat	Associations —							
Micro: MODE		NOPIES			EGO COUNTY TO SAN ARTICULARLY ABUNI			
Occurrence No.	11 <b>M</b> a	p Index:	33547	EO Index:	29698		Dates	Last Seen —
- J	Poor Natural/Native occur Presumed Extant	ence				Ele		1991-08-26 1991-08-26
Trend:	Unknown				Record I	.ast Up	dated:	1996-11-05
Quad Summary: County Summary:	San Pedro (3311863 Los Angeles	/073A)						
	Lat/Long:	33.7314	2º / -118.3521	10	Tow	nship:	05S	
	UTM:	Zone-11	N3733197 E3	74739	F	ange:	14W	
	Mapping Precision:					ction:		Qtr: XX
	Symbol Type: Area:	POLYG	ON			ridian: vation:	S 200 ft	
Location:	PALOS VERDES PE PARK AND PORTUG			PALOS VERDE	ES DRIVE, BETWEEN	PALOS	VERDE	S PENINSULAR
Location Detail:	WOODRATS TRAPP	ED IN TH	HE VICINITY O	F PRICKLY PI	EAR CLUMPS.			
Ecological:		ARE CLU	JMPS OF CSS		L VEGETATION, DOMI			
Threat:	THREATENED BY T DEVELOPMENT.	HE HIGH	ILY-DISTURBE	D NATURE O	F THE SITE AND ONG	OING T	HREAT	OF
General:	19 ADULTS TRAPPE	D BETW	/EEN 23-26 AU	IGUST 1991.				
Owner/Manager:	UNKNOWN							
— Sources —								

Sta	tus ———		— NDDB Ele	ment Ranks –		- Other Lists		
Federal: None			Global:	G5		CDFG Statu	s: SC	
State: None			State:	S2				
Habitat	Associations —							
General: LOW-	LYING ARID AREAS	IN SOUTH	HERN CALIFO	RNIA.				
Micro: NEED	HIGH CLIFFS OR R	OCKY OU	TCROPS FOF	R ROOSTING S	ITES. FEEDS I	PRINCIPALLY	ON LAR	GE MOTHS.
Occurrence No.	5 <b>M</b> a	ap Index:	27997	EO Index:	59564		Dates	Last Seen —
Occ Rank:						Ele		1983-10-07
•	Natural/Native occur	rence					Site:	1983-10-07
	Presumed Extant Unknown						والمعام والم	2005 01 21
Trenu.	Chikhowh				ĸ	ecord Last Up	dated:	2003-01-21
Quad Summary:	Long Beach (331187	2/089C)						
County Summary:	Los Angeles							
	Lat/Long:	33.7712	0º / -118.1886	8º		Township:	05S	
	• • • • • •		N3737422 E3	89931		Range:	13W	
	Mapping Precision:		ECIFIC			Section:	• •	Qtr: XX
	Symbol Type: Radius:					Meridian: Elevation:	-	
	Raulus.	1 mile					20 11	
Location:	LONG BEACH.							
Location Detail:	EXACT LOCATION		,					
	"LONG BEACH." CC				ALL ON NORT	HEAST SIDE C	OF CIRC	LE WITH AN
	UNCERTAINTY OF	3218 MET	ERS (~2 MILE	ES).				
Ecological:								
Threat:								
General:	ONE FEMALE SPEC MVZ #181983.	JIMEN CC	DLLECTED 7 C	JCT 1983 BY D	. CONSTANTIN	NE AT "LONG E	SEACH.	DEPOSITED AT
Owner/Manager:	UNKNOWN							
— Sources —								

California Orcutt g	rass				Element	Code: PMP	JA4G01	0
Sta	tus ———		— NDDB Ele	ment Ranks –		- Other Lists		
Federal: Endar	3		Global:			CNPS Lis	st: 1B.1	
State: Endar	ngered		State:	S2.1				
Habitat	Associations –							
General: VERN	IAL POOLS.							
<b>Micro:</b> 15-66	0M.							
Occurrence No.	13	Map Index:	47232	EO Index:	47232		Dates I	_ast Seen —
Occ Rank:	None					Ele		XXXX-XX-XX
•	Natural/Native occ	urrence					Site:	XXXX-XX-XX
Presence:								
Trend:	Unknown				R	ecord Last Up	dated:	2002-02-14
Quad Summary:	Long Beach (3311	872/089C),	Los Alamitos (	3311871/089D)	)			
County Summary:	Los Angeles							
	Lat/Long	<b>g:</b> 33.8358	1º / -118.1174	30		Township:	04S	
	UTN	I: Zone-11	N3744512 E3	96606		Range:	12W	
	Mapping Precision		PECIFIC			Section:	-	Qtr: XX
	Symbol Typ					Meridian:		
	Radiu	s: 1 mile				Elevation:	40 ft	
Location:	WEST LOS ANGE	LES COUN	TY, NEAR LA	KEWOOD.				
Location Detail:								
Ecological:								
Threat:								
General:	COLLECTED NEA	R LAKEWC	OD ACCORD	ING TO GRIGO	GS (1977), UNKI	NOWN WHEN	SEEN.	APPARENTLY
	EXTIRPATED.							
Owner/Manager:	UNKNOWN							
-								

California brow	•			Element Code: ABNF	C01021	
	Status —	— NDDB Ele	ment Ranks ——	Other Lists		
Federal: End State: unl	dangered known code	Global: State:		CDFG Statu	s:	
	tat Associations	olator	0.01			
	LONIAL NESTER ON COASTA					
	STS ON COASTAL ISLANDS O			-	FROM	ΑΤΤΑCΚ ΒΥ
	OUND-DWELLING PREDATOR				T ROM	
Occurrence N		<b>c:</b> 63544	EO Index: 63			Last Seen —
	k: Excellent			Ele		2000-XX-XX 2000-XX-XX
0	n: Natural/Native occurrence				Site:	2000-77-77
	e: Presumed Extant d: Unknown			Record Last Up	data di	2005-12-29
Tren				Record Last Op	uateu:	2003-12-29
Quad Summar	y: Long Beach (3311872/089C	)				
County Summar	y:					
-	L at/l amm. 00 700		20	<b>–</b>	001/	
	Lat/Long: 33.723	11 N3732128 E3		Township: Range:		
	Mapping Precision: SPEC		09093	Section:		Qtr: XX
	Symbol Type: POLY			Meridian:	-	GU. AA
	Area: 397.7			Elevation:		
	n: EASTERN AND MIDDLE LO					
	il: ROOST NUMBER LA 1.0 (E		, , ,	,		
Ecologica	al: COMBINED BREAKWATER WINTER SURF.	S ARE 9.4 KM I	N LENGTH. THEY A	ARE BROAD & SOMEWH	AT PRC	DIECTED FROM
Threa	at: POTENTIAL THREAT FROM	I RECREATION	AL ANGLERS & BO	DATERS. DISTANCE TO S	HORE	& HEAVY
	SHIPPING TRAFFIC LIMIT	RECREATIONA	USE.			
Genera	al: DAY & NIGHT ROOST. THI	S IS LARGEST &	& HIGHEST QUALIT	TY ROOST ON SOUTHER	N CALI	FORNIA COAST.
	584 BIRDS COUNTED AT D	AWN 5 NOV 19	86. SUMMARY OF	1986-87, 1992-93 & 1998-	2000 D	IURNAL COUNTS:
	31-650 BIRDS (MIDDLE) &	53-690 BIRDS (B	EAST) BREAKWATI	ERS.		
Owner/Manage	r: LONG BEACH HARBOR, D	OD-COE				
Sources						
JAQ03R0001	JAQUES, D. & C. STRONG (C	RESCENT COA	STAL RESEARCH	BROWN PELICAN NIGH		ST SITES ON THE
	SOUTHERN CALIFORNIA CC					
STR03R0001	STRONG, C. & D. JAQUES (C MAINLAND COAST OF SOUT	RESCENT COA	STAL RESEARCH)	. BROWN PELICAN ROO	ST SITE	ES ON THE

Pentachaeta ly Lyon's pentach	aeta		ment Devile	Element Code: PDA		)
Federal: End State: End	dangered	Global: State:	G2	Other Lists CNPS L		1
General: CH Micro: ED	AT ASSOCIATIONS APARRAL, VALLEY ANI GES OF CLEARINGS IN FIREBREAKS. 30-630N	I CHAP., USUALLY AT		BTWN GRASSLAND AND (	CHAPAR	RAL OR EDGES
Occurrence N	<b>b.</b> 1 <b>M</b> a	<b>p Index:</b> 01943	EO Index:	16675 —	Dates	Last Seen —
Presence	<ul><li>n: Natural/Native occur</li><li>e: Possibly Extirpated</li></ul>	rence			Element: 1910 Site: 1997	
Trene	<b>d:</b> Unknown			Record Last U	odated:	2008-09-24
Quad Summar County Summar	y: San Pedro (3311863 y: Los Angeles	/073A)				
	UTM: Mapping Precision: Symbol Type:			Township: Range: Section: Meridian: Elevation:	14W XX S	Qtr: XX
Locatio	n: POINT FERMIN, SA	N PEDRO.				
Location Deta				TRIBUTED TO THIS SITE ERE IN 1931; CNDDB HAS N		
Ecologica						
Threa	t:					
Genera				NS & A 1910 JOHNSON COL ED EXTIRPATED. NEEDS F		
Owner/Manage	r: UNKNOWN					
Sources -						
BRA99S0002	BRANDEGEE. BRAND	,		,		
FOT98R0001	FOTHERINGHAM, C. 8 BRAUNTONII) AND LY			UTION OF BRAUNTON'S M A LYONII). 1998-04-01.	ILK-VET	CH (ASTRAGALUS
JOH10S0003	JOHNSON. JOHNSON	SN NY (AS CITED IN	VAN73A0001). 1	910-03-21.		
PEI08S0003	PEIRSON, F. PEIRSOI	N #1223 RSA #93284.	1908-04-18.			
PEI08S0004	PEIRSON, F. PEIRSOI	N #1221 RSA #93287. 1	1908-04-18.			
USF99R0001	U.S. FISH & WILDLIFE LOS ANGELES BASIN		Y PLAN FOR SIX	K PLANTS FROM THE MOU	NTAINS	SURROUNDING TH
VAN73A0001	VAN HORN. G. "THE T	AXONOMIC STATUS	OF PENTACHAE	TA & CHAETOPAPPA W/ A	REVISIO	ON OF

Pentachaeta lyo	onii					
Lyon's pentacha	aeta			Element Code: F	PDAST6X06	0
s	tatus —	— NDDB Ele	ment Ranks —	Other Li	sts —	
Federal: End State: End	0	Global: State:	-	CNP	CNPS List: 1B.1	
General: CHA Micro: EDC	at Associations APARRAL, VALLEY AND FOOT GES OF CLEARINGS IN CHAP. FIREBREAKS. 30-630M.			BTWN GRASSLAND AN	ND CHAPAF	RRAL OR EDGES
Occurrence No	. 2 Map Index	: 34591	EO Index:	48785	— Dates	Last Seen —
Occ Rank	•				Element:	1886-XX-XX
	Natural/Native occurrence				Site:	1994-XX-XX
•	: Possibly Extirpated					
	: Decreasing			Record Las	t Updated:	2008-10-03
Quad Summary	r: Torrance (3311873/090D), S	an Pedro (3311	863/073A)			
County Summary	: Los Angeles					
	Lat/Long: 33.745 UTM: Zone-1 Mapping Precision: NON-5	11 N3734781 E3		Ran	hip: 01S ige: 14W ion: XX	Qtr: XX
	Symbol Type: POINT			Merid	ian: S	
	Radius: 1 mile			Elevat	i <b>on:</b> 1,400	ft
Locatior	: PALOS VERDES MT (=SAN	PEDRO HILLS	).			
Location Detai	I: EXACT LOCATION UNKNO	WN. MAPPED A	AT SAN PEDRO	HILL AND SURROUNDI	NGS BY CN	IDDB.
Ecologica	l:					
Threa	t: AREA HAS BEEN OVER-RU URBANIZED.	IN BY ANNUAL	GRASSES AND	THISTLES. THE MAJO	RITY OF TH	IIS AREA IS
Genera	I: TYPE LOCALITY. ONLY SO MENTIONS THAT HE SAW					
Owner/Manager	: UNKNOWN					
Sources _						
LYO86S0001	LYON, W. LYON SN GH CAS I					
THO89U0001	THOMAS, T. CONVERSATION 1989-08-22.	I BETWEEN TIN	M THOMAS AND	SANDRA MOREY REG	ARDING SE	EVERAL EOS.
THO89U0002	THOMAS, T. TABLE SHOWING 1989-XX-XX.	3 ABUNDANCE	AND MONITOR	ING RESULTS FOR PE	NTACHAET	A LYONII.
THO94U0001	THOMAS, T. PHONE CONVER 1994-07-07.	SATION WITH	TIM THOMAS B	Y RONNIE GLICK (FOR	WARDED T	O R. BITTMAN).
VAN73A0001	VAN HORN, G. "THE TAXONO				V/ A REVISI	ON OF
	PENTACHAETA." UNIV OF CA		ION IN BOTANY	65:1-41. 1973-XX-XX.		

Pentachaeta lyc Lyon's pentacha				Element Code: PDA	ST6X060	)	
S	tatus —	NDDE	3 Element Ranks —	Other Lists	—— Other Lists ———		
Federal: End State: End	0		bal: G2 ate: S2	CNPS Li	<b>st:</b> 1B.	1	
Habit	at Associations —						
Micro: EDC	APARRAL, VALLEY ANI GES OF CLEARINGS IN FIREBREAKS. 30-6300	I CHAP., USUALLY		BTWN GRASSLAND AND C	HAPAR	RAL OR EDGES	
Occurrence No	. 7 Ma	<b>p Index:</b> 39864	EO Index:	48741 —	Dates	Last Seen —	
-	: Natural/Native occur	rence		EI		XXXX-XX-XX XXXX-XX-XX	
	: Possibly Extirpated : Unknown			Record Last U	odated:	2002-09-06	
Quad Summary County Summary	r: Torrance (3311873/0 r: Los Angeles	90D), Long Beach	(3311872/089C)				
	0	POINT		Township: Range: Section: Meridian: Elevation:	13W 33 S	Qtr: XX	
Location	WILMINGTON.						
Location Detai	:						
Ecologica							
Threat Genera	LOCATION BASED	,	,	COLLECTION. POPULATIO		UMABLY	
Owner/Manager	: UNKNOWN						
Sources _							
BRANDS0024	BRANDEGEE. BRAND	EGEE SN UC (CIT	ED IN VAN73A0001)	). XXXX-XX-XX.			
OT98R0001	FOTHERINGHAM, C. & BRAUNTONII) AND LY			UTION OF BRAUNTON'S M A LYONII). 1998-04-01.	ILK-VET	CH (ASTRAGALUS	
/AN73A0001	VAN HORN, G. "THE T PENTACHAETA." UNIV			TA & CHAETOPAPPA W/ A ′ 65:1-41. 1973-XX-XX.	REVISIO	ON OF	

Pacific pocket	mouse			Element Code: AMA	FD01042	2
	Status ———	NDDB Ele	ment Ranks —	Other Lists		
Federal: Er State: No	0	Global: State:		CDFG State	us: SC	
——— Hab	itat Associations —					
AN	NGELES CO.			N BORDER NORTH TO EL		
Occurrence N	No 3 Ma	p Index: 39864	EO Index:	34866 —	Dates	Last Seen —
	nk: None					1865-10-XX
Orig	in: Natural/Native occurr	rence			Site:	1865-10-XX
Presend	ce: Extirpated					
Trer	nd: Unknown			Record Last U	odated:	2003-04-10
	ry: Torrance (3311873/0 ry: Los Angeles	90D), Long Beach (331	1872/089C)			
	Lat/Long:	33.79001º / -118.2478	5°	Township:	04S	
	UTM:	Zone-11 N3739572 E3	84477	Range:	13W	
	Mapping Precision:			Section:		Qtr: XX
	Symbol Type:			Meridian:	-	
	Radius:	1 mile		Elevation:	30 π	
Locatio	on: WILMINGTON, LOS	ANGELES.				
Location Deta	ail:					
Ecologic	al:					
Thre	at:					
Gener	al: HISTORIC SITE. 3 N	IVZ SPECIMENS (#563	3-35) COLLECTE	ED IN OCT 1865 BY J. G. C	DOPER.	
Owner/Manag	er: UNKNOWN					
Sources						
ERI93R0001				CRIPT PREPARED FOR ING 993-XX-XX.	CLUSIOI	N IN "ENDANGER
WS97R0004	U.S. FISH & WILDLIFE LONGIMEMBRIS PACI		COVERY PLAN F	OR THE PACIFIC POCKET	MOUSI	E (PEROGNATHU
MVZ03S0004	MUSEUM OF VERTEB PEROGNATHUS LONG	, ,		INTOUT OF MVZ SPECIME	N DATA	BASE FOR

coast horned	lizard	Element Code: ARACF12100				
	- Status	NDDB E	Element Ranks	Other Lists	— Other Lists ———	
Federal: N State: N			ll: G4G5 e: S3S4	CDFG Status: SC		
——— На	bitat Associations					
	REQUENTS A WIDE		MOST COMMON IN LC	WLANDS ALONG SANDY WA	SHES WITH	
	OPEN AREAS FOR S SUPPLY OF ANTS & O		OVER, PATCHES OF L	OOSE SOIL FOR BURIAL, & A	BUNDANT	
Occurrence	<b>No.</b> 150	Map Index: 02093	EO Index: 2806	6 — Dates	Last Seen —	
Ori	ank: None gin: Natural/Native once: Extirpated	occurrence			1951-03-17 1951-03-17	
	nd: Unknown			Record Last Updated:	2006-01-23	
	ary: Long Beach (33 ary: Los Angeles	311872/089C)				
	ل Mapping Precis Symbol T	ong: 33.77173° / -118.19 JTM: Zone-11 N3737492 sion: NON-SPECIFIC Type: POINT dius: 1/5 mile		Township:05SRange:13WSection:XXMeridian:SElevation:25 ft	Qtr: XX	
Locat	ion: 4TH AND DAIS	SY, LONG BEACH.				
Location De Ecologi Thr						
Gene	eral: LACM SPECIM	IENS #101342-3 COLLEC	TED 17 MAR 1951 BY H.	. SAMUELSON.		
Owner/Mana	ger: UNKNOWN					
Sources						
RO86U0005	BRODE, J. COLL COUNTIES. 1986		PHRYNOSOMA CORON	IATUM BLAINVILLII IN SDG, L	AX, ORA, RIV &	
C06S0001				RECORDS FOR LOS ANGELE		

Т

coastal Califo	<b>fornica californic</b> rnia gnatcatcher			Element Code: ABI	PBJ08081	
	Status —	NDDB EI	ement Ranks ——	Other Lists	s ——	
Federal: TI State: N		Global: State:	G3T2 S2	CDFG Sta	tus: SC	
Hab	bitat Associations -					
Micro: L		NT RESIDENT OF COAST SCRUB IN ARID WASHE JB ARE OCCUPIED.				
Occurrence I	<b>No.</b> 30	Map Index: 01686	EO Index: 29	840 —	- Dates	Last Seen —
	nk: Good			E		2006-06-10
-	jin: Natural/Native oc				Site:	2006-06-10
	ce: Presumed Extant nd: Decreasing	t		Record Last l	Jpdated:	2008-06-12
Quad Summa	ary: Redondo Beach	(3311874/090C), San Ped	ro (3311863/073A), 1	Forrance (3311873/090D	)	
	ary: Los Angeles	· · · · · ·		,	,	
	UT Mapping Precisio Symbol Ty	ng: 33.74530° / -118.396 rM: Zone-11 N3734792 E on: NON-SPECIFIC pe: POLYGON ea:		Township Range Section Meridian Elevation	: 14W : 18 : S	Qtr: XX
Locati		S PENINSULA NEAR PT V PALOS VERDES.	INCENTE & LONG F	PT, NE TO CREST RD (I	NCLUDIN	G MCCARRELL'S
Location Det						
Location Det	VINCENTE PARI	VERDES DR W, PALOS V K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D	6), PENINSULA POI	NTE (ALBERO CT, '97-0		
Ecologie	VINCENTE PARI PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA (		6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER	6), & BAF ULA SUR	KENTINE CYN
Ecologic	VINCENTE PARI PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT.	6), & BAF ULA SUR A. SOME	KENTINE CYN VEY. DOMINATED AREAS NOW
Ecologia	VINCENTE PARI PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F cat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL 3Y ONGOING URBAN DE ND. '90: 24BRDS, 6TERR 5 OBS. '01: 7PRS, 1 FLDG	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT. REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00:
Ecologia Thre Gene	VINCENTE PARI PRESERVE ('00 MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F eat: THREATENED E ral: 1980: 5PRS & 11	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL 3Y ONGOING URBAN DE ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS.	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT. REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00:
Ecologia Thre Gene	VINCENTE PARI PRESERVE ('00 Cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F COPEN SPACE (F THREATENED E TAL: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O Ger: CITY OF RANCH	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL 3Y ONGOING URBAN DE ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS.	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT. REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00:
Ecologia Thre Gene Owner/Manag	VINCENTE PAR PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F cat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL BY ONGOING URBAN DEV ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. HO PALOS VERDES	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD	NTE (ALBERO CT, '97-0 FROM FWS. 20B IN 1993-95 PENINS M, & SALVIA MELLIFER FINE) SIG HABITAT. 7REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS G. '03: 7PRS, 3UKN. '04	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD : 11 AD, 2	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD
Ecologie Thre Gene Owner/Manag —— Sources	VINCENTE PAR PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F cat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH ATWOOD, JONATH OF BIOLOGY. 1980 ATWOOD, J., C. R	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL BY ONGOING URBAN DEV ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. HO PALOS VERDES	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD CK-TAILED GNATC	NTE (ALBERO CT, '97-0 FROM FWS. 20B IN 1993-95 PENINS M, & SALVIA MELLIFER FINE) SIG HABITAT. 2005 REE-ROAMING DOMES 3.S. '97: 5TERR, 6 NEST 3.G. '03: 7PRS, 3UKN. '04 ATCHER POPULATION	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD : 11 AD, 2 SURVEY,	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD 1980. UCLA DEPT.
Ecologia Thre Gene Owner/Manag Sources	VINCENTE PAR PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F cat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH ATWOOD, JONATH OF BIOLOGY. 1980 ATWOOD, J., C. RI CONSERVATION ( ATWOOD, J.L. ET	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL 3Y ONGOING URBAN DEV ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. 40 PALOS VERDES HAN L. CALIFORNIA BLAG 0-XX-XX. EYNOLDS, M. FUGAGLI 8	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD CK-TAILED GNATC/ S. TSAI. CALIFORI JB ON THE PALOS POPULATION SIZE	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT. REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS G. '03: 7PRS, 3UKN. '04 ATCHER POPULATION	6), & BAF ULA SUR A. SOME STIC CAT 5, 19 FLD : 11 AD, 2 SURVEY, SURVEY, 1995-11-0	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD 1980. UCLA DEPT. WRENS, AND 1.
Ecologia Thre Gene Owner/Manag Sources ATW80U0001	VINCENTE PARI PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F eat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH ATWOOD, JONATH OF BIOLOGY. 1980 ATWOOD, J., C. RI CONSERVATION ( ATWOOD, J.L. ET VERDES PENINSL JIMERSON, NINA (	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL BY ONGOING URBAN DEV ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. 10 PALOS VERDES HAN L. CALIFORNIA BLAC 0-XX-XX. EYNOLDS, M. FUGAGLI & DF COASTAL SAGE SCRI AL. DISTRIBUTION AND F JLA, 1993-1997. 1998-07-0 (MICHAEL BRANDMAN A: URVEYS (2002) AT PENII	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD CK-TAILED GNATCA S. TSAI. CALIFORI JB ON THE PALOS POPULATION SIZE 6 06.	NTE (ALBERO CT, '97-0 FROM FWS. UB IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT. REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS G. '03: 7PRS, 3UKN. '04 ATCHER POPULATION NIA GNATCATCHERS, 0 VERDES PENINSULA. OF CALIFORNIA GNATE	6), & BAF ULA SUR A. SOME STIC CAT 5, 19 FLD : 11 AD, 2 SURVEY, CACTUS V 1995-11-0 CATCHEF S FOR CA	EXENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD 1980. UCLA DEPT. WRENS, AND 1. R ON THE PALOS
Ecologia Thre Gene Owner/Manag Sources ATW80U0001 ATW95R0001 ATW98A0001	VINCENTE PAR PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F eat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH ATWOOD, JONATH OF BIOLOGY. 1980 ATWOOD, J. C. RI CONSERVATION ( ATWOOD, J.L. ET VERDES PENINSL JIMERSON, NINA ( GNATCATCHER S COUNTY. 2002-07 BRAMLET, DAVID.	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL BY ONGOING URBAN DEV ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. 10 PALOS VERDES HAN L. CALIFORNIA BLAC 0-XX-XX. EYNOLDS, M. FUGAGLI & DF COASTAL SAGE SCRI AL. DISTRIBUTION AND F JLA, 1993-1997. 1998-07-0 (MICHAEL BRANDMAN A: URVEYS (2002) AT PENII	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD CK-TAILED GNATCA S. TSAI. CALIFORI JB ON THE PALOS POPULATION SIZE ( 06. SSOCIATES). SUBM NSULA POINT IN TH	NTE (ALBERO CT, '97-0 FROM FWS. 20B IN 1993-95 PENINS M, & SALVIA MELLIFER TINE) SIG HABITAT. REE-ROAMING DOMES S. '97: 5TERR, 6 NESTS G. '03: 7PRS, 3UKN. '04 ATCHER POPULATION NIA GNATCATCHERS, 0 VERDES PENINSULA. OF CALIFORNIA GNATO 11TTAL REQUIREMENT IE CITY OF RANCHO P.	6), & BAR ULA SUR A. SOME STIC CAT S, 19 FLD : 11 AD, 2 SURVEY, CACTUS V 1995-11-0 CATCHER S FOR CA ALSO VEI	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD 1980. UCLA DEPT. WRENS, AND 1. R ON THE PALOS
Ecologia Thre Gene Owner/Manag Sources ATW80U0001 ATW95R0001 ATW98A0001 BRA02U0002	VINCENTE PAR PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F cat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH ATWOOD, JONATH OF BIOLOGY. 1980 ATWOOD, J.C. RI CONSERVATION ( ATWOOD, J.L. ET VERDES PENINSL JIMERSON, NINA ( GNATCATCHER S COUNTY. 2002-07 BRAMLET, DAVID. PALOS VERDES, ( COURTOIS, BARB	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL 3Y ONGOING URBAN DEV ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. 40 PALOS VERDES HAN L. CALIFORNIA BLAC 0-XX-XX. EYNOLDS, M. FUGAGLI & DF COASTAL SAGE SCRI AL. DISTRIBUTION AND I JLA, 1993-1997. 1998-07-0 (MICHAEL BRANDMAN A: URVEYS (2002) AT PENII -09.	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD CK-TAILED GNATC/ S. TSAI. CALIFORI JB ON THE PALOS POPULATION SIZE ( 6. SSOCIATES). SUBM NSULA POINT IN TH ORM FOR POLIOP	NTE (ALBERO CT, '97-0 FROM FWS. 20B IN 1993-95 PENINS M, & SALVIA MELLIFER FINE) SIG HABITAT. 2007 REE-ROAMING DOMES 30. '97: 5TERR, 6 NESTS 31. '97: 5TERR, 6 NESTS 32. '97: 5TERR, 7 NESTS 32. '97: 5TERR, 7 NESTS 32. '97:	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD : 11 AD, 2 SURVEY, CACTUS N 1995-11-0 CATCHEF S FOR CA ALSO VEI FACILITY	KENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD 1980. UCLA DEPT. WRENS, AND 1. RON THE PALOS ALIFORNIA RDES, LOS ANGELE
Ecologia Thre Gene Owner/Manag Sources ATW80U0001 ATW95R0001 ATW95R0001 ATW98A0001 BRA02U0002 BRA91R0003	VINCENTE PAR PRESERVE ('00 cal: MOST FOUND II BY ARTEMISIA ( OPEN SPACE (F cat: THREATENED E ral: 1980: 5PRS & 11 12 AD, 12 JUV; 5 (ALBERO), 58 O ger: CITY OF RANCH ATWOOD, JONATH OF BIOLOGY. 1980 ATWOOD, J., C. RI CONSERVATION ( ATWOOD, J.L. ET. VERDES PENINSL JIMERSON, NINA ( GNATCATCHER S COUNTY. 2002-07 BRAMLET, DAVID. PALOS VERDES, ( COURTOIS, BARB CALIFORNIA GNA	K/CIVIC CENTER ('98 & 0 & 06). UPDATED W/ 56 D N AREAS OF SAGEBRUS CALIFORNICA, ERIOGON PVPLC.ORG). MCCARREL 3Y ONGOING URBAN DEN ND. '90: 24BRDS, 6TERR. 5 OBS. '01: 7PRS, 1 FLDG BS. 40 PALOS VERDES HAN L. CALIFORNIA BLAG 0-XX-XX. EYNOLDS, M. FUGAGLI & DF COASTAL SAGE SCRI AL. DISTRIBUTION AND H JLA, 1993-1997. 1998-07-0 (MICHAEL BRANDMAN A: URVEYS (2002) AT PENII -09. BIOLOGICAL SURVEY C CALIFORNIA. 1991-10-XX ARA O. FIELD SURVEY F	6), PENINSULA POI IGITAL 80M POLYS H OR CACTUS SCR UM FASCICULATUI L'S CYN (BARKENT /ELOPMENT AND F '91: 2PRS. '95: 8PR . '02: 7TERR, 2 FLD CK-TAILED GNATCA S. TSAI. CALIFORI JB ON THE PALOS POPULATION SIZE OF SSOCIATES). SUBM NSULA POINT IN TH F THE SALVATION	NTE (ALBERO CT, '97-C FROM FWS. 20B IN 1993-95 PENINS 4, & SALVIA MELLIFER FINE) SIG HABITAT. REE-ROAMING DOMES 3. '97: 5TERR, 6 NESTS G. '03: 7PRS, 3UKN. '04 ATCHER POPULATION NIA GNATCATCHERS, 0 VERDES PENINSULA. OF CALIFORNIA GNATO 11TTAL REQUIREMENTS IE CITY OF RANCHO P. ARMY EDUCATIONAL FILA CALIFORNICA CAU	6), & BAF ULA SUR A. SOME STIC CAT S, 19 FLD : 11 AD, 2 SURVEY, CACTUS N 1995-11-0 CATCHEF S FOR CA ALSO VEI FACILITY LIFORNIC	EXENTINE CYN VEY. DOMINATED AREAS NOW S. G. '98: 4PRS. '00: UKN. '06: 9 AD 1980. UCLA DEPT. WRENS, AND 11. & ON THE PALOS ALIFORNIA RDES, LOS ANGELE IN THE RANCHO A (COASTAL

Polioptila ca	alifornica californica							
coastal Ca	lifornia gnatcatcher		Element Code: ABPBJ08081					
	Status —		ment Ranks —	Other Lists	;			
	Threatened	Global:		CDFG Stat	tus: SC			
State:	None	State:	52					
General:	Habitat Associations OBLIGATE, PERMANENT R LOW, COASTAL SAGE SCR COASTAL SAGE SCRUB AI	UB IN ARID WASHES						
Source	_							
30urce								
COU04F0002		O. FIELD SURVEY FO	ORM FOR POLIO	PTILA CALIFORNICA CAL	IFORNICA. 2004-04-30.			
	COURTOIS, BARBARA			PTILA CALIFORNICA CAL				
COU04F0002	COURTOIS, BARBARA COURTOIS, BARBARA	. FIELD SURVEY FOR	M FOR POLIOPT		ORNICA. 2005-05-24.			
COU04F0002 COU05F0002	COURTOIS, BARBARA COURTOIS, BARBARA COURTOIS, BARBARA	. FIELD SURVEY FOR O. FIELD SURVEY FO SERVICE, CARLSBAD	M FOR POLIOPT ORM FOR POLIO	ILA CALIFORNICA CALIF PTILA CALIFORNICA CAL	ORNICA. 2005-05-24.			

- IMP90R0001IMPACT SCIENCES, INC. DRAFT ENVIRONMENTAL IMPACT REPORT FOR VESTING INITIATIVE TRACT 46628,<br/>RANCHO PALOS VERDES. 1990-XX-XX.
- MBA01R0001 MICHAEL BRANDMAN ASSOCIATES. SUBMITTAL REQUIREMENTS FOR CALIFORNIA GNATCATCHER SURVEYS (2001) AT PENINSULA POINTE IN THE CITY OF RANCHO PALOS VERDES, LOS ANGELES COUNTY. 2001-08-22.
- MBA98U0001 LOEFFLER, WENDY (MICHAEL BRANDMAN ASSOCIATES). SUBMITTAL REQUIREMENTS FOR CALIFORNIA GNATCATCHER SURVEYS AT PENINSULA POINTE IN THE CITY OF RANCHO PALOS VERDES, LOS ANGELES COUNTY. 1998-02-17.

0	a gnatcatcher				Element Code: ABF			
Federal: Threatened State: None			— NDDB Elen Global: State:		Other Lists CDFG Sta			
General: OBL Micro: LOW		E SCRUB IN A	RID WASHES,			/ 2500 FT IN SOUTHERN CALIFORN NOT ALL AREAS CLASSIFIED AS		
Occurrence No	. 34	Map Index:	01865	EO Index: 2	796 —	– Dates	Last Seen —	
-	Good Natural/Native o Presumed Extar				E	lement: Site:		
	Unknown	-			Record Last U	Ipdated:	2008-06-12	
Quad Summary County Summary	: San Pedro (331 : Los Angeles	1863/073A)						
	U Mapping Precis Symbol T <u>y</u>	TM: Zone-11			Township Range Section Meridian Elevation	: 14W : 22 : S	Qtr: XX	
Location	: BETWEEN MAR THE E, RANCH			N, THE OCEAN	TO THE S & W, & THE C	ITY/COR	P BOUNDRY TO	
Location Detail	FWS DIGITAL F	POLYGONS, S	ITE NAMES O		RK. ATW80 SITE NAME P ('97-98), FRIENDSHIP AT PRES ('06).			
Ecological	HABITAT IS CC FASCICULATU	ASTAL SAGE M, ISOCOMA V	SCRUB, DOM VENETA, ENCI	INATED BY ARTE	MISIA CALIFORNICA, E CA, SALVIA MELLIFERA JALITY: EXCELLENT TO	LESSER		
Threat	: THREATENED	BY ONGOING	URBAN DEVE					
			-	-				
		. '97: SEP-OCI	. '90: 6 BRDS, 7 F, 15 DETECTE	I TERR. '91: 3 PR ED. '98: 17 DETEC	S. '92: 3-4 PRS. '95: 3 PI TED (DUDEK). '04: 1 PF			
General	WINTER '94-95	. '97: SEP-OC1 EK). '06: 88 DE	, '90: 6 BRDS, 7 F, 15 DETECTE TECTIONS (DI	I TERR. '91: 3 PR ED. '98: 17 DETEC				
General Owner/Manager Sources ATW80U0001	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE 	, '90: 6 BRDS, T, 15 DETECTE TECTIONS (D RDES	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK)		R (SAPHC	9S). '05: 30	
General Owner/Manager Sources ATW80U0001	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT OF BIOLOGY. 198 ATWOOD, J., C. F	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE THAN L. CALIF 30-XX-XX. REYNOLDS, M	'90: 6 BRDS, 7 F, 15 DETECTE TECTIONS (DE RDES ORNIA BLACK	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK) C-TAILED GNATC.	TED (DUDEK). '04: 1 PF	SURVEY	95). '05: 30 , 1980. UCLA DEPT WRENS, AND	
General Owner/Manager Sources ATW80U0001 ATW95R0001 DUD97U0006	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT OF BIOLOGY. 198 ATWOOD, J., C. F CONSERVATION DUDEK & ASSOC	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE THAN L. CALIF 30-XX-XX. REYNOLDS, M OF COASTAL	90: 6 BRDS, 7 , 15 DETECTE TECTIONS (DE RDES ORNIA BLACK . FUGAGLI & S . SAGE SCRUE 5-DAY REPOR	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK) (-TAILED GNATC. 3. TSAI. CALIFOR 3 ON THE PALOS T FOR THE OCE.	TED (DUDEK). '04: 1 PF	SURVEY SURVEY CACTUS 1995-11-C	95). '05: 30 , 1980. UCLA DEPT WRENS, AND 11. NIA GNATCATCHEI	
General Owner/Manager Sources ATW80U0001 ATW95R0001 OUD97U0006	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT OF BIOLOGY. 198 ATWOOD, J., C. F CONSERVATION DUDEK & ASSOC SURVEY, CITY O	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE THAN L. CALIF 30-XX-XX. REYNOLDS, M OF COASTAL HATES, INC. 4: F RANCHO PA	- '90: 6 BRDS, 7 F, 15 DETECTE TECTIONS (DI RDES CORNIA BLACK - FUGAGLI & S SAGE SCRUE 5-DAY REPOR ALOS VERDES E, CARLSBAD	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK) G-TAILED GNATC, S. TSAI. CALIFOR B ON THE PALOS T FOR THE OCE, , LOS ANGELES	TED (DUDEK). '04: 1 PF ATCHER POPULATION NIA GNATCATCHERS, ( VERDES PENINSULA. AN TRAILS HCP AREA (	SURVEY SURVEY 1995-11-0 CALIFORI 1997-12-	9S). '05: 30 , 1980. UCLA DEPT WRENS, AND 11. NIA GNATCATCHEI 08.	
General Owner/Manager Sources ATW80U0001 CUD97U0006 WS07D0001 GAR90A0001	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT OF BIOLOGY. 198 ATWOOD, J., C. F CONSERVATION DUDEK & ASSOC SURVEY, CITY O U.S. FISH & WILD AUGUST 2007 VE GARRETT, KIMB/	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE THAN L. CALIF 30-XX-XX. REYNOLDS, M OF COASTAL HATES, INC. 4: F RANCHO PA LIFE SERVICE RSION. 2007- ALL L. & BRIAN	190: 6 BRDS, 7 T, 15 DETECTE TECTIONS (DI RDES ORNIA BLACK SAGE SCRUE 5-DAY REPOR ALOS VERDES E, CARLSBAD 08-09. N E. DANIELS.	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK) G-TAILED GNATC. B. TSAI. CALIFOR B ON THE PALOS T FOR THE OCE. , LOS ANGELES OFFICE. USFWS	TED (DUDEK). '04: 1 PF ATCHER POPULATION NIA GNATCATCHERS, 0 VERDES PENINSULA. AN TRAILS HCP AREA ( COUNTY, CALIFORNIA.	SURVEY SURVEY CACTUS V 1995-11-C CALIFORI 1997-12- TATUS S	9S). '05: 30 , 1980. UCLA DEPT WRENS, AND 01. NIA GNATCATCHEI 08. PECIES DATABASI	
General Owner/Manager Sources ATW80U0001 ATW95R0001 OUD97U0006 WS07D0001 GAR90A0001 SA92R0002	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT OF BIOLOGY. 198 ATWOOD, J., C. F CONSERVATION DUDEK & ASSOC SURVEY, CITY O U.S. FISH & WILD AUGUST 2007 VE GARRETT, KIMBA	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE THAN L. CALIF 30-XX-XX. REYNOLDS, M OF COASTAL HATES, INC. 4: F RANCHO PA DIFE SERVICE RANCHO PA DIFE SERVICE RSION. 2007- ALL L. & BRIAN ULA" (WESTE S, INC. BIOLO	190: 6 BRDS, 7 F, 15 DETECTE TECTIONS (DE RDES CORNIA BLACK SAGE SCRUE S-DAY REPOR ALOS VERDES E, CARLSBAD 08-09. N E. DANIELS. RN TANAGER	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK) (-TAILED GNATC. 3. TSAI. CALIFOR 3 ON THE PALOS T FOR THE OCE. , LOS ANGELES OFFICE. USFWS "STATUS OF THE , VOL 57, NO 2, C	TED (DUDEK). '04: 1 PF ATCHER POPULATION NIA GNATCATCHERS, 0 VERDES PENINSULA. AN TRAILS HCP AREA ( COUNTY, CALIFORNIA. CARLSBAD SPECIAL S E CALIFORNIA GNATCA	SURVEY SURVEY 1995-11-C CALIFORI 1997-12- TATUS S TCHER C	DS). '05: 30 , 1980. UCLA DEPT WRENS, AND D1. NIA GNATCATCHE 08. PECIES DATABAS DN THE PALOS	
General Owner/Manager Sources – ATW80U0001 ATW95R0001 OUD97U0006 WS07D0001 GAR90A0001 SA92R0002 MOR91F0001	WINTER '94-95 (15PRS?, DUDE CITY OF RANC ATWOOD, JONAT OF BIOLOGY. 198 ATWOOD, J., C. F CONSERVATION DUDEK & ASSOC SURVEY, CITY O U.S. FISH & WILD AUGUST 2007 VE GARRETT, KIMB/ VERDES PENINS LSA ASSOCIATES PLAN. 1992-03-17	. '97: SEP-OCT EK). '06: 88 DE HO PALOS VE THAN L. CALIF 30-XX-XX. REYNOLDS, M OF COASTAL HATES, INC. 4 F RANCHO PA F RANCHO PA F RANCHO PA LIFE SERVICE RSION. 2007- ALL L. & BRIAN ULA" (WESTE S, INC. BIOLOG 7.	190: 6 BRDS, 7 T, 15 DETECTE TECTIONS (DI RDES ORNIA BLACK SAGE SCRUE 5-DAY REPOR ALOS VERDES E, CARLSBAD 08-09. N E. DANIELS. RN TANAGER GICAL RESOU	I TERR. '91: 3 PR ED. '98: 17 DETEC UDEK) (-TAILED GNATC. 3. TSAI. CALIFOR 3 ON THE PALOS T FOR THE OCE. , LOS ANGELES OFFICE. USFWS "STATUS OF THE , VOL 57, NO 2, C RCE ASSESSME	TED (DUDEK). '04: 1 PF ATCHER POPULATION NIA GNATCATCHERS, 0 VERDES PENINSULA. AN TRAILS HCP AREA 0 COUNTY, CALIFORNIA. CARLSBAD SPECIAL S E CALIFORNIA GNATCA CT 1990). 1990-10-XX.	SURVEY SURVEY 1995-11-0 CALIFORI 1997-12- TATUS S TCHER O	DS). '05: 30 , 1980. UCLA DEPT WRENS, AND 01. NIA GNATCATCHE 08. PECIES DATABAS DN THE PALOS DASTAL SPECIFIC	

coastal Ca	lifornia gnatcatcher			Element Code: ABP	BJ08081
	— Status ———	NDDB Ele	ment Ranks ——	Other Lists	
Federal:	Threatened	Global:	G3T2	CDFG Stat	us: SC
State:	None	State:	S2		
—— I	labitat Associations —				
General:	OBLIGATE, PERMANENT	RESIDENT OF COAST	AL SAGE SCRUB	BELOW 2500 FT IN SOUT	HERN CALIFORNIA
Micro:	LOW, COASTAL SAGE S	CRUB IN ARID WASHES	, ON MESAS & SL	OPES. NOT ALL AREAS	CLASSIFIED AS
	COASTAL SAGE SCRUB	ARE OCCUPIED			

- Sources

coastal Californi	a gnatcatcher			Element Code: ABPB	J08081	
S <sup>r</sup>	tatus —	NDDB E	lement Ranks	Other Lists		
Federal: Thre State: Non			l: G3T2 e: S2	CDFG Statu	s: SC	
Habita	at Associations					
General: OBL	IGATE, PERMANENT F	RESIDENT OF COAS	TAL SAGE SCRUB BEI	LOW 2500 FT IN SOUTH	HERN C	ALIFORNIA.
	V, COASTAL SAGE SCI ASTAL SAGE SCRUB A		ES, ON MESAS & SLOF	PES. NOT ALL AREAS C	LASSIF	FIED AS
Occurrence No	. 108 <b>Ma</b>	<b>p Index:</b> 01741	<b>EO Index:</b> 2984			Last Seen —
	: Excellent			Ele	ement:	2006-08-18 2006-08-18
	<ul> <li>Natural/Native occurr</li> <li>Presumed Extant</li> </ul>	rence			Site:	2000-00-10
	: Stable			Record Last Up	dated:	2008-06-12
Quad Summary County Summary	: San Pedro (3311863, : Los Angeles	/073A), Redondo Bea	ch (3311874/090C), Tor	rrance (3311873/090D)		
	•	33.74529º / -118.354 Zone-11 N3734739   NON-SPECIFIC		Township: Range: Section:	14W	Qtr: XX
	Symbol Type: Area:			Meridian: Elevation:	S	
Location		ONE COVE PORTU				
	ON PALOS VERDES		GUESE BEND, SAN PE	EDRO HILL, ROLLING H	ILLS, &	ALTAMIRA CYN
Location Detail	ON PALOS VERDES I: KLONDIKE CANYON	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON	IRVIVAL OF GNATCAT	EDRO HILL, ROLLING H CHERS ON PALOS VEF PPER FILIORUM. 2006 \$	RDES P	ENINSULA.
Ecological	ON PALOS VERDES KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUR	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C	CHERS ON PALOS VEF PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI. DRG).	RDES P SITE NA GONUM	ENINSULA. AME PORTUGUESE I FASCICULATUM,
Ecological Threat	ON PALOS VERDES KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUI	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPME	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN	CHERS ON PALOS VEF PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI. DRG). NG DOMESTIC CATS.	RDES P SITE NA GONUM A MELL	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY
Ecological Threat General	<ul> <li>ON PALOS VERDES</li> <li>KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE</li> <li>HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUI</li> <li>THREATENED BY U</li> <li>1980: 5 PRS &amp; 3 IND BREEDING PRS. 20</li> </ul>	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEI DIV, EST 15-25 PRS. 00: 2 PRS (NAT. RES	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF	CHERS ON PALOS VEF PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI. DRG).	RDES P SITE NA GONUM A MELL IDIV. 19	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY
Ecological Threat General	<ul> <li>ON PALOS VERDES</li> <li>KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE</li> <li>HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATULE</li> <li>THREATENED BY U</li> <li>1980: 5 PRS &amp; 3 IND</li> </ul>	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEI DIV, EST 15-25 PRS. 00: 2 PRS (NAT. RES	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF	CHERS ON PALOS VER PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI DRG). NG DOMESTIC CATS. R. 1992: 4 BREEDING IN	RDES P SITE NA GONUM A MELL IDIV. 19	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY
Ecological Threat General	<ul> <li>ON PALOS VERDES</li> <li>KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE</li> <li>HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUI</li> <li>THREATENED BY U</li> <li>1980: 5 PRS &amp; 3 IND BREEDING PRS. 20</li> <li>CITY OF RANCHO F</li> </ul>	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEI DIV, EST 15-25 PRS. 00: 2 PRS (NAT. RES	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF	CHERS ON PALOS VER PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI DRG). NG DOMESTIC CATS. R. 1992: 4 BREEDING IN	RDES P SITE NA GONUM A MELL IDIV. 19	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY
Ecological Threat General Owner/Manager —— Sources — ATW80U0001	ON PALOS VERDES I: KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE I: HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUI I: THREATENED BY U I: 1980: 5 PRS & 3 IND BREEDING PRS. 20 I: CITY OF RANCHO F	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEN DIV, EST 15-25 PRS. 00: 2 PRS (NAT. RES PALOS VERDES	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF 3. CONSULT.). 2006: 12	CHERS ON PALOS VER PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI DRG). NG DOMESTIC CATS. R. 1992: 4 BREEDING IN	RDES P SITE NA GONUM A MELL IDIV. 19 K).	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY 195: 11 PRS. 1996: 3
Ecological Threat General Owner/Manager Sources – ATW80U0001	ON PALOS VERDES KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUR THREATENED BY U 1980: 5 PRS & 3 IND BREEDING PRS. 20 CITY OF RANCHO F ATWOOD, JONATHAN OF BIOLOGY. 1980-XX ATWOOD, J., C. REYN	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEN OV, EST 15-25 PRS. 00: 2 PRS (NAT. RES PALOS VERDES I L. CALIFORNIA BLA (-XX.	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF 3. CONSULT.). 2006: 12 	CHERS ON PALOS VER PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI. DRG). NG DOMESTIC CATS. R. 1992: 4 BREEDING IN 21 DETECTIONS (DUDE	RDES P SITE NA GONUM A MELL IDIV. 19 K). JRVEY,	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY 195: 11 PRS. 1996: 3 1980. UCLA DEPT. WRENS, AND
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Ecological Threat General Owner/Manager Sources – ATW80U0001 ATW95R0001 ATW98A0001	ON PALOS VERDES KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUR THREATENED BY U 1980: 5 PRS & 3 IND BREEDING PRS. 20 CITY OF RANCHO F ATWOOD, JONATHAN OF BIOLOGY. 1980-XX ATWOOD, J., C. REYN CONSERVATION OF C ATWOOD, J.L. ET AL. VERDES PENINSULA,	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEN DIV, EST 15-25 PRS. 00: 2 PRS (NAT. RES PALOS VERDES LL. CALIFORNIA BLA (-XX. IOLDS, M. FUGAGLI COASTAL SAGE SCR DISTRIBUTION AND 1993-1997. 1998-07- SERVICE, CARLSB/	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISIA IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF 5. CONSULT.). 2006: 12 CK-TAILED GNATCAT & S. TSAI. CALIFORNIA 20B ON THE PALOS VE POPULATION SIZE OF 06.	CHERS ON PALOS VEP PPER FILIORUM. 2006 S A CALIFORNICA, ERIOG EGRIFOLIA, AND SALVI. DRG). NG DOMESTIC CATS. R. 1992: 4 BREEDING IN 21 DETECTIONS (DUDE CHER POPULATION SL A GNATCATCHERS, CA ERDES PENINSULA. 19	RDES P SITE NA GONUM A MELL IDIV. 19 K). JRVEY, SCTUS N 95-11-0	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY 195: 11 PRS. 1996: 3 1980. UCLA DEPT. WRENS, AND 1. R ON THE PALOS
Ecological Threat General Owner/Manager Sources – ATW80U0001 ATW95R0001 ATW98A0001 TWS07D0001 GAR90A0001	ON PALOS VERDES (KLONDIKE CANYON UPDATED WITH 44 BEND NATURE PRE HABITAT: COASTAL ATRIPLEX LENTIFO AREAS NOW NATUI THREATENED BY U 1980: 5 PRS & 3 IND BREEDING PRS. 200 CITY OF RANCHO F ATWOOD, JONATHAN OF BIOLOGY. 1980-XX ATWOOD, J., C. REYN CONSERVATION OF C ATWOOD, J.L. ET AL. VERDES PENINSULA, U.S. FISH & WILDLIFE AUGUST 2007 VERSIC	S PENINSULA. N IS CRITICAL TO SU FWS 80M POLYGON SERVE. SAGE SCRUB DOM RMIS, ENCELIA CAL RE & OPEN SPACE F IRBAN DEVELOPMEN DIV, EST 15-25 PRS. 00: 2 PRS (NAT. RES PALOS VERDES I L. CALIFORNIA BLA (-XX. IOLDS, M. FUGAGLI COASTAL SAGE SCR DISTRIBUTION AND 1993-1997. 1998-07- SERVICE, CARLSB/ DN. 2007-08-09.	IRVIVAL OF GNATCAT IS. 2000 SITE NAME UF INATED BY ARTEMISI, IFORNICA, RHUS INTE PRESERVES (PVPLC.C NT AND FREE-ROAMIN 1990: 21 INDIV, 5 TERF 5. CONSULT.). 2006: 12 ACK-TAILED GNATCAT & S. TSAI. CALIFORNI/ 20B ON THE PALOS VE POPULATION SIZE OF 06. AD OFFICE. USFWS C/	CHERS ON PALOS VEF PPER FILIORUM. 2006 S A CALIFORNICA, ERIOC EGRIFOLIA, AND SALVI. DRG). NG DOMESTIC CATS. R. 1992: 4 BREEDING IN 21 DETECTIONS (DUDE CHER POPULATION SU CHER POPULATION SU A GNATCATCHERS, CA ERDES PENINSULA. 19 F CALIFORNIA GNATCAT CALIFORNIA GNATCAT	RDES P SITE NA GONUM A MELL IDIV. 19 K). JRVEY, JRVEY, S-11-0 ATCHER	ENINSULA. ME PORTUGUESE I FASCICULATUM, IFERA. MANY 95: 11 PRS. 1996: 3 1980. UCLA DEPT. WRENS, AND 1. CON THE PALOS PECIES DATABASE
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Sto.	<b>4</b> 110			ment Denko	Element Code: ———— Other I		7
Federal: None	ius —		Global:		Other I		
State: None			State:	•			
Habitat	Associations -						
General:	Associations						
Micro:							
Occurrence No.	23 I	Map Index:	17053	EO Index: 9	609	— Dates	Last Seen —
Occ Rank:							1990-09-01
•	Natural/Native occ	urrence				Site:	1990-09-01
	Presumed Extant Unknown				<b>_</b>		1000 07 10
rrena.	UTKIOWI				Record La	ast Updated:	1998-07-13
Quad Summary:	San Pedro (33118	53/073A), F	Redondo Beacl	n (3311874/090C)			
County Summary:	Los Angeles						
			15º / -118.4152	-		ship: 05S	
			1 N3735907 E3	368922		ange: 15W	
	Mapping Precision				••••	tion: XX dian: S	Qtr: XX
	Symbol Type Area					ation: 40 ft	
Location:	BLUFFS OF PALC	S VERDES	S PENINSULA	FROM MALAGA	COVE TO CABRILLO	BEACH.	
Location Detail:	ALONG BLUFFS /	ND STEEF	P SLOPES OF	IMMEDIATE COA	ST; DISTRIBUTION F	PATCHY WIT	HIN BOUNDED
	AREA DUE TO DE	VELOPME	NT AND DIST	URBANCE.			
Ecological:	NATIVE SPP INCL	UDE RHU	S INTEGRIFO	LIA, ENCELIA CA,	ISOCOMA MENZIES	SII, LYCIUM C	ALIFORNICA,
	ATRIPLEX LENTIF	ORMIS, IS	OMERIS, OPU	JNTIA SPP., ERIC	GONUM CINEREUM	, DUDLEYA \	/IRENS; W/LOWE
	PORTIONS OF SL	OPES, SU	AEDA CALIFC	RNICA. 15-90% C	OVER.		
Threat:	DEVELOPMENT A	ND DISTU	RBANCE ASS	OCIATED WITH F	RECREATION, INVAS	IVE EXOTICS	S.
General:	CONDITION AND	COMPOSI	TION VARIES	ALONG THE PEN	INSULA; LARGE POF	RTIONS WITH	H INVASIVE
	EXOTICS. THIS W						
Owner/Manager:	UNKNOWN						
-							

California leas				Element Code: ABNI		3
	Status	NDDB Ele		Other Lists		
Federal: En State: En	0	Global: State:	G4T2T3Q S2S3	CDFG Statu	IS:	
	tat Associations —					
				I TO NORTHERN BAJA CA AT SUBSTRATES: SAND B	-	
	ND FILLS, OR PAVED A		ICOLIAILD, FLA	AT SUBSTRATES. SAND D		S, ALNALI FLATS,
Occurrence N	<b>o.</b> 16 <b>M</b>	ap Index: 02005	EO Index: 2	25695 —	Dates	Last Seen —
Occ Ran	k: None			El	ement:	
•	n: Natural/Native occur	rence			Site:	1987-XX-XX
	e: Extirpated d: Unknown			Record Last Up	hateh.	1998-10-20
					Juateu.	
Quad Summa County Summa	•	090D), San Pedro (33118	363/073A)			
	-	33.75057º / -118.2550	20	<b>T</b>	050	
	0	Zone-11 N3735207 E3		Township: Range:		
	Mapping Precision:			Section:		Qtr: XX
	Symbol Type:			Meridian:		
	Radius:	1/5 mile		Elevation:	5 ft	
Locatio	n: REEVES FIELD ON	TERMINAL ISLAND. TA	KE TERMINAL IS	LAND FREEWAY TO SEA	SIDE BL	.VD.
Location Deta	il:					
Ecologic	al: SITE NOW A PARK	ING AREA FOR IMPOR	TED CARS.			
Thre	at: LANDFILL & GRAD SEASON & COLON		NY IN 1973 & 74.	AREA PAVED AS A PARK	ING LOT	FPRIOR TO 1987
Gener		LEDGED. 46 NESTS IN		977: 85 PR, ~80 FLEDGED; EDGING. 28 NESTS IN 198		
Owner/Manage						
Sources						
TW77R0001	,	N L. ET AL. CALIFORNIA SH & GAME, 1977. 1977		ENSUS & NESTING SURV	EY, 197 <sup>-</sup>	7, CALIFORNIA
EN74R0001		CALIFORNIA LEAST TEI SH & GAME, 1974. 1974		I AND NESTING SURVEY,	1974, C	ALIFORNIA
EN76R0001	BENDER, K. ET AL. C	ALIFORNIA LEAST TEF	N CENSUS & NE	STING SURVEY. 1976-XX	XX.	
OO79R0001	COOPER, ELIZABETH	1. LEAST TERN BREED	ING SEASON IN	SAN DIEGO CO. 1979-XX-3	XX.	
		E SERVICE. THREAT TO SIES TECHNICAL BULLE		EAST TERN DEFUSED BY . 12. 1982-12-XX.	COORD	INATION.
WS82U0001				SURVEY, 1975-09-XX.		
WS82U0001 1AS75R0001	MASSEY, B. CALIFOR	RNIA LEAST TERN CEN	SUS & NESTING			
IAS75R0001	MASSEY, B.W. & J.L.	ATWOOD. APPLICATIO	N OF ECOLOGIC	CAL INFORMATION TO HA		
	MASSEY, B.W. & J.L. THE CALIFORNIA LE MASSEY, B.W. & J.L.	ATWOOD. APPLICATIO AST TERN PROGRAM F ATWOOD. APPLICATIO	N OF ECOLOGIC REPORT NO. 1 PI N OF ECOLOGIC	CAL INFORMATION TO HA	AGUNA BITAT M	NIGEL. 1979-XX-XX IANAGEMENT FOR

California least t			Element Code: ABNNM0 —— NDDB Element Ranks ————— Other Lists —					
Federal: Endangered State: Endangered			MDDB Element Ranks Other Lists Global: G4T2T3Q CDFG Status:     State: S2S3					
General: NES Micro: COL	at Associations	BARE OR						
Origin	. 20 Ma : Unknown : Natural/Native occur : Presumed Extant	<b>p Index:</b> rence	02190	EO Index:	25690			<b>-ast Seen</b> — 1977-XX-XX 1977-XX-XX
Trend	: Unknown				Re	cord Last Up	dated:	1998-10-20
Quad Summary county Summary	: Long Beach (331187 : Los Angeles	2/089C)						
	UTM: Mapping Precision: Symbol Type:	Zone-11 SPECIFI				Township: Range: Section: Meridian: Elevation:	12W 09 S	Qtr: N
Location Location Detail	: BELMONT SHORE I	BEACH AT	FOOT OF C	ORONA AVE, I	ONG BEACH.			
Threat						ID AFTER NE	STING.	
General Owner/Manager	I: MANY FLEDGLINGS I: UNKNOWN	PRESEN	IT (UP TO 25	%) AFTER NES	STING.			
— Sources –								

California leas						0
				Element Code:		3
		NDDB Ele		Other		
Federal: Er State: Er	Ū	Global: State:	G4T2T3Q S2S3	CDFC	G Status:	
General: NE Micro: CO	itat Associations	BARE OR SPARSELY				
L <i>F</i>						
Occurrence N		p Index: 02008	EO Index: 25	657		Last Seen —
	nk: Unknown in: Natural/Native occurr	ence				1996-08-01 1996-08-01
-	ce: Presumed Extant				onor	
	nd: Increasing			Record L	ast Updated:	1998-10-20
	ry: San Pedro (3311863,	073A), Long Beach (33	11872/089C)			
County Summa						
	•	33.73862º / -118.2525 Zone-11 N3733879 E3			nship: 99X ange: 99X	
	Mapping Precision:		03970		ction: XX	Qtr: XX
	Symbol Type:				idian: S	
	Radius:			Elev	ation:	
Locatio	on: TERMINAL ISLAND STREET SITE).	ANDFILL SITE SOUTH	I OF FERRY STRE	ET & EAST OF EA	RLE STREET	(AKA FERRY
Location Deta	ail:					
Ecologic	al: SITE CREATED BY	NTRODUCTION OF NE	EW LANDFILL IN AI	30UT 1980.		
Thre	eat: THREATS INCLUDE FERAL CATS ALSO		ROWS; CROW ER	ADICATION NEED	ED IF COLON	Y IS TO SURVIVE.
Gener	ral: 1982: 70 NESTS, 15 GOOD FLDGNG; 198 1992: 0 PR. 1996: 56	37: 40 PR, POOR FLDG				
Owner/Manag		,				
	er: DOD-NAVT					
Sources						
	CAFFREY, CAROLEE.			URVEY 1992 SEAS	SON. NONGA	ME BIRD AND
Sources CAF93R0001 CAF98R0001	CAFFREY, CAROLEE.	EPORT, 93-11. 1993-XX CALIFORNIA LEAST T	(-XX. ERN BREEDING S			
CAF93R0001	CAFFREY, CAROLEE. MAMMAL SECTION RE CAFFREY, CAROLEE.	EPORT, 93-11. 1993-XX CALIFORNIA LEAST T GRAM REPORT, 98-2.	(-XX. ERN BREEDING S 1998-XX-XX.	URVEY 1996 SEAS	SON. BIRD AN	ID MAMMAL
CAF93R0001 CAF98R0001	CAFFREY, CAROLEE. MAMMAL SECTION RE CAFFREY, CAROLEE. CONSERVATION PRO COLLINS, C.T. END O	EPORT, 93-11. 1993-XX CALIFORNIA LEAST T GRAM REPORT, 98-2. E SEASON REPORT, C . & BRYAN S. OBST. C	(-XX. ERN BREEDING S 1998-XX-XX. ALIFORNIA LEAST	URVEY 1996 SEAS TERN FIELD STU	SON. BIRD AN	ND MAMMAL .D SEASON. (DRAFT
CAF93R0001 CAF98R0001 COL87R0001	CAFFREY, CAROLEE. MAMMAL SECTION RE CAFFREY, CAROLEE. CONSERVATION PRO COLLINS, C.T. END OI 1987-XX-XX. JOHNSTON, SCOTT M	EPORT, 93-11. 1993-X> CALIFORNIA LEAST T GRAM REPORT, 98-2. SEASON REPORT, C . & BRYAN S. OBST. C MAMMAL SECTION RI	(-XX. ERN BREEDING S 1998-XX-XX. ALIFORNIA LEAST ALIFORNIA LEAST EPORT, 92-06. 199 N OF ECOLOGICA	URVEY 1996 SEAS TERN FIELD STU TERN BREEDING 2-XX-XX. L INFORMATION T	SON. BIRD AN IDY, 1987 FIEL S SURVEY 199 TO HABITAT N	ND MAMMAL LD SEASON. (DRAFT 11 SEASON. 14NAGEMENT FOR
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CAF93R0001 CAF98R0001 COL87R0001 JOH92R0001 MAS82R0001 MAS83R0001	CAFFREY, CAROLEE. MAMMAL SECTION RE CAFFREY, CAROLEE. CONSERVATION PRO COLLINS, C.T. END OI 1987-XX-XX. JOHNSTON, SCOTT M NONGAME BIRD AND MASSEY, B.W. & J.L. A THE CALIFORNIA LEA MASSEY, B.W. & J.L. A	EPORT, 93-11. 1993-XX CALIFORNIA LEAST T GRAM REPORT, 98-2. E SEASON REPORT, C MAMMAL SECTION RI TWOOD. APPLICATIC ST TERN PROGRAM F TWOOD. APPLICATIC ST TERN PROGRAM F TWOOD. APPLICATIC ST TERN PROGRAM F TWOOD. ANALYSIS C	(-XX. ERN BREEDING S 1998-XX-XX. ALIFORNIA LEAST EPORT, 92-06. 199 N OF ECOLOGICA REPORT NO. 4 PRE N OF ECOLOGICA REPORT NO. 5 PRE N OF ECOLOGICA REPORT NO. 6 PRE OF BANDED CALIFO	URVEY 1996 SEAS TERN FIELD STU TERN BREEDING 2-XX-XX. L INFORMATION T PARED FOR USF L INFORMATION T PARED FOR USF L INFORMATION T PARED FOR USF DRNIA LEAST TER	Son. Bird An Jdy, 1987 Fiel S Survey 199 To Habitat M WS, Laguna To Habitat M WS, Laguna To Habitat M	ND MAMMAL D SEASON. (DRAFT 11 SEASON. MANAGEMENT FOR NIGEL. 1982-XX-XX. MANAGEMENT FOR NIGEL. 1983-XX-XX. MANAGEMENT FOR NIGEL. 1984-XX-XX.
CAF93R0001 CAF98R0001 COL87R0001 JOH92R0001 MAS82R0001 MAS83R0001 MAS84R0001	CAFFREY, CAROLEE. MAMMAL SECTION RE CAFFREY, CAROLEE. CONSERVATION PRO COLLINS, C.T. END OI 1987-XX-XX. JOHNSTON, SCOTT M NONGAME BIRD AND MASSEY, B.W. & J.L. A THE CALIFORNIA LEA MASSEY, B.W. & J.L. A THE CALIFORNIA LEA MASSEY, B.W. & J.L. A	EPORT, 93-11. 1993-XX CALIFORNIA LEAST T GRAM REPORT, 98-2. SEASON REPORT, C & BRYAN S. OBST. C MAMMAL SECTION RI TWOOD. APPLICATIC ST TERN PROGRAM F TWOOD. APPLICATIC ST TERN PROGRAM F TWOOD. APPLICATIC ST TERN PROGRAM F TWOOD. ANALYSIS C .O. #MOO-85-M-7213,	(-XX. ERN BREEDING S 1998-XX-XX. ALIFORNIA LEAST EPORT, 92-06. 199 N OF ECOLOGICA REPORT NO. 4 PRE N OF ECOLOGICA REPORT NO. 5 PRE N OF ECOLOGICA REPORT NO. 6 PRE DF BANDED CALIFO US MARINE CORP	URVEY 1996 SEAS TERN FIELD STU TERN BREEDING 2-XX-XX. L INFORMATION T PARED FOR USF L INFORMATION T PARED FOR USF L INFORMATION T PARED FOR USF DRNIA LEAST TER S. 1985-08-25.	SON. BIRD AN IDY, 1987 FIEL S SURVEY 199 TO HABITAT M WS, LAGUNA TO HABITAT M WS, LAGUNA TO HABITAT M WS, LAGUNA	ND MAMMAL D SEASON. (DRAFT 1 SEASON. MANAGEMENT FOR NIGEL. 1982-XX-XX MANAGEMENT FOR NIGEL. 1983-XX-XX MANAGEMENT FOR NIGEL. 1984-XX-XX ON NORTH BEACH,

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		Element Code: ABNNM08103
NDDB Ele	ment Ranks	Other Lists
Global:	G4T2T3Q	CDFG Status:
State:	S2S3	
	Global: State: COAST FROM SAN FRANCI	NDDB Element Ranks     Global: G4T2T3Q     State: S2S3     COAST FROM SAN FRANCISCO BAY SOUTH TO ER ON BARE OR SPARSELY VEGETATED, FLAT

– Sources

NONGAME BIRD AND MAMMAL SECTION REPORT, 92-05. 1992-XX-XX.

Suaeda esteroa						_	
estuary seablite					PDCHE0P0D	-	
Sta	atus ———	NDDB Element Ranks			— Other Lists —		
Federal: None State: None			Global: G4 State: S3.2			2	
Habita	Associations —						
	SHES AND SWAMP						
		ES IN CLAY, SILT, AN	D SAND SUBSTF	RATES. 0-5M.			
Occurrence No.	17	lap Index: 34592	EO Index	48871	— Dates	Last Seen —	
Occ Rank:						1904-09-06	
-	Natural/Native occ	urrence			Site:	1904-09-06	
	Presumed Extant						
Trend:	Unknown			Record	Last Updated:	2002-10-01	
Quad Summary:	Torrance (3311873	/090D), San Pedro (33	11863/073A)				
County Summary:	Los Angeles						
	Lat/Long	<b>j:</b> 33.73644º / -118.28	092°	Тои	wnship: 05S		
	UTN	I: Zone-11 N3733670	E381341		Range: 14W		
	Mapping Precision			-	Section: XX	Qtr: XX	
	Symbol Type				eridian: S		
	Radius	: 1 mile		Ele	evation: 60 ft		
Location:	SAN PEDRO.						
Location Detail:	EXACT LOCATIO	I UNKNOWN, MAPPE	D BY CNDDB IN	GENERAL VICINITY C	OF SAN PEDRO.		
Ecological:							
Threat:	DEVELOPMENT.						
General:	SITE ALSO REPR	ESENTED BY CITATIO	ON IN REISER'S '	RARE PLANTS OF SA	N DIEGO COUN	NTY' (2001). NEEDS	
	FIELDWORK.					· · ·	
Owner/Manager:	UNKNOWN						
Sources							
		#4195 DS, POM (CITE					
FER83A0001	FERREN, W. & S. W	HITMORE. SUAEDA E	STEROA (CHEN	OPODIACEAE), A NE	N SPECIES FRO	OM ESTUARIES OF	
Ş	SOUTHERN CALIFO	RNIA AND BAJA CAL	FORNIA. MADR	ONO VOL. 30, NO. 3,	PP. 181-190. 19	83-07-15.	
REI01B0001	REISER, C. RARE P	LANTS OF SAN DIEG	O COUNTY. 2001	-07-XX.			
	·						

estuary seablite		Element Code: PDCHE0P0D0					
St	atus —	NDDB Element Ranks			—— Other Lists ———		
Federal: Non	-	Global: G4		CN	CNPS List: 1B.2		
State: None	e	State:	: S3.2				
Habita	at Associations —						
General: MAF	RSHES AND SWAMPS.						
Micro: COA	STAL SALT MARSHES	3 IN CLAY, SILT, AND	SAND SUBSTRA	ATES. 0-5M.			
Occurrence No. 18 Map Index: 27997 EO Ind		EO Index:	48872	— Dates Last Seen —			
Occ Rank	Unknown	-			Element:	1900-07-12	
-	Natural/Native occur	rence			Site:	1900-07-12	
	Presumed Extant						
Trend	Unknown			Record La	st Updated:	2002-10-01	
Quad Summary	: Long Beach (331187	'2/089C)					
County Summary	: Los Angeles						
	Lat/Long:	33.77120º / -118.188	68º	Towns	ship: 05S		
	-	TM: Zone-11 N3737422 E389931		Ra	nge: 13W		
	Mapping Precision:				tion: 01	Qtr: XX	
	Symbol Type:				dian: S		
	Radius:	1 mile		Eleva	tion: 20 ft		
Location	: LONG BEACH.						
Location Detail	: EXACT LOCATION	NOT KNOWN, MAPPE	D BY CNDDB IN	GENERAL VICINITY O	F LONG BEA	CH.	
Ecological	:						
Threat	:						
	: "SAN PEDRO BAY"	AS CITED IN REISER	'S 'RARE PLANT	S OF SAN DIEGO COU	NTY' ATTRIB	UTED TO THIS	
General							
General	SITE (2001). NEEDS	TILLDWORK.					
General Owner/Manager	( <i>,</i>						
	( <i>,</i>						
Owner/Manager —— Sources –	( <i>,</i>		.0001). 1900-07-2	21.			

	=California brackishwater snail) Status		nks — Other Li	sts —			
Federal: No State: No	ne	Global: G2G3 State: S2S3	CDFG S				
General: INH DIE Micro: FO	tat Associations HABITS COASTAL LAGOONS, E EGO COUNTY. FUND ONLY IN PERMANENTLY WIDE RANGE OF SALINITIES.						
Origi Presenc	<ul> <li>a. 30 Map Index</li> <li>k: None</li> <li>n: Natural/Native occurrence</li> <li>e: Extirpated</li> <li>d: Unknown</li> </ul>	:: 57921 EO I	ndex: 57937 Record Las	Element: Site:	Last Seen — XXXX-XX-XX XXXX-XX-XX 2004-11-05		
Quad Summar County Summar	<b>y:</b> San Pedro (3311863/073A) <b>y:</b> Los Angeles						
	Lat/Long: 33.710 UTM: Zone- Mapping Precision: SPEC Symbol Type: POLY0 Area: 217.3	1 N3730811 E379485 FIC GON	Rar Sect Merid	hip: 05S age: 14W ion: 25 ian: S ion: 50 ft	Qtr: XX		
	<ul> <li>n: SAN PEDRO BLUFFS.</li> <li>ii: USNM RECORD GIVES "NE SAN PEDRO BLUFFS.</li> <li>ai:</li> </ul>	AREST PLACE NAME"	AS SAN PEDRO. FOUND IN PL	EISTOCEN	E DEPOSITS ON		
	al: USNM # 153426 COLLECTE	-	ATE GIVEN. LAST KNOWN CO TE, ACCORDING TO KELLOGO		1870-1890. NO		
Sources	HERSHLER, ROBERT. SYSTEMATICS OF THE NORTH AND CENTRAL AMERICAN AQUATIC SNAIL GENUS TRYONIA (RISSOOIDEA: HYDROBIIDAE). SMITHSONIAN CONTRIBUTIONS TO ZOOLOGY, NO. 612, 53 PP. 2001-XX-XX.						
KEL80R0001	KELLOGG, M.G. STATUS OF THE CALIFORNIA BRACKISH WATER SNAIL (TRYONIA IMITATOR), IN CENTRAL CALIFORNIA. INLAND FISHERIES BRANCH ENDANGERED SPECIES PROGRAM, SPECIAL PUBLICATIONS NO. 80-3. 1980-07-XX.						
KEL85R0001	KELLOGG, MICHAEL G. CONTRIBUTIONS TO OUR KNOWLEDGE OF TRYONIA IMITATOR. MASTER'S THESIS, SAN FRANCISCO STATE UNIVERSITY. 1985-12-XX.						
AY78R0001	TAYLOR, D.W. REPORT PREPARED FOR U.S. ARMY CORPS OF ENGINEERS ON "THE CALIFORNIA BRACKISH-WATER SNAIL, TRYONIA IMITATOR". 1978-03-XX.						
JSN04S0013	UNITED STATES NATIONAL I	MUSEUM (SMITHSONIA	N INSTITUTION). PRINTOUT C	F TRYONIA	MITATOR		