

DOCKETED

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Appendix 5.2B
CNDDDB RareFind Checklist

California Department of Fish and Game
Natural Diversity Database
Selected Elements by Scientific Name - Portrait
Special-status species within 1 mile of AEC

Scientific Name/Common Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 <i>Athene cunicularia</i> burrowing owl	ABNSB10010			G4	S2	SC
2 <i>Centromadia parryi</i> ssp. <i>australis</i> southern tarplant	PDAST4R0P4			G4T2	S2	1B.1
3 <i>Chelonia mydas</i> green turtle	ARAAA02010	Threatened		G3	S1	
4 <i>Cicindela gabbii</i> western tidal-flat tiger beetle	IICOL02080			G4	S1	
5 <i>Cicindela hirticollis</i> <i>gravida</i> sandy beach tiger beetle	IICOL02101			G5T2	S1	
6 <i>Cicindela latesignata</i> <i>latesignata</i> western beach tiger beetle	IICOL02113			G4T1T2	S1	
7 <i>Cicindela senilis</i> <i>frosti</i> senile tiger beetle	IICOL02121			G4T1	S1	
8 <i>Danaus plexippus</i> monarch butterfly	IILEPP2010			G5	S3	
9 <i>Nemacaulis denudata</i> var. <i>denudata</i> coast woolly-heads	PDPGN0G011			G3G4T3?	S2.2	1B.2
10 <i>Passerculus sandwichensis</i> <i>beldingi</i> Belding's savannah sparrow	ABPBX99015		Endangered	G5T3	S3	
11 <i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100			G4G5	S3S4	SC
12 <i>Sidalcea neomexicana</i> Salt Spring checkerbloom	PDMAL110J0			G4?	S2S3	2.2
13 Southern Coastal Salt Marsh	CTT52120CA			G2	S2.1	
14 <i>Sternula antillarum</i> <i>browni</i> California least tern	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2S3	
15 <i>Suaeda esteroa</i> estuary seablite	PDCHE0P0D0			G3	S2	1B.2
16 <i>Symphotrichum defoliatum</i> San Bernardino aster	PDASTE80C0			G2	S2	1B.2

California Department of Fish and Game
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 Special-status species within 1 mile of AEC

Athene cucularia

burrowing owl

Element Code: ABNSB10010

_____ **Status** _____ **NDDB Element Ranks** _____ **Other Lists** _____

Federal: None
State: None

Global: G4
State: S2

CDFG Status: SC

_____ **Habitat Associations** _____

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 1846

Map Index: 82198

EO Index: 83204

_____ **Dates Last Seen** _____

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 1981-XX-XX

Site: 1983-XX-XX

Record Last Updated: 2011-04-13

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)

County Summary: Orange, Los Angeles

Lat/Long: 33.75008° / -118.08939°

UTM: Zone-11 N3734979 E399100

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Radius: 3/5 mile

Township: 05S

Range: 12W

Section: 12 **Qtr:** XX

Meridian: S

Elevation: 10 ft

Location: VICINITY OF SEAL BEACH BLVD AND HERON POINTE/FORRESTAL LANE, NEAR SEAL BEACH.

Location Detail: LOCATION DESCRIBED AS "IN SEAL BEACH, OFF SEAL BEACH BLVD. (WEST SIDE), S OF ROCKWLL CORP [NOW BOEING, CORNER OF SEAL BEACH BLVD & WESTMINISTER AVE]. EXACT LOCATION UNKNOWN.

Ecological:

Threat: NOTED AS THREATENED BY DEVELOPMENT IN 1983.

General: 5 TO 8 PAIRS WERE KNOWN FROM THIS LOCATION IN 1980-1981. PERSONAL COMMUNICATION FROM CAMERON BARROWS TO BRENDA JOHNSON.

Owner/Manager: PVT

_____ **Sources** _____

JOH88U0001 JOHNSON, B. JOHNSON'S PERSONAL DATA FOR BURROWING OWL. 1988-10-XX.

Centromadia parryi ssp. australis

southern tarplant

Element Code: PDAST4R0P4

_____ Status _____	_____ NDDB Element Ranks _____	_____ Other Lists _____
Federal: None	Global: G4T2	CNPS List: 1B.1
State: None	State: S2	

_____ **Habitat Associations** _____

General: MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND.

Micro: OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON V

Occurrence No. 24	Map Index: 35375	EO Index: 30111	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 1973-06-15
Origin: Natural/Native occurrence			Site: 1973-06-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-02-04

Quad Summary: Los Alamitos (3311871/089D)

County Summary: Los Angeles

Lat/Long: 33.77027° / -118.11912°	Township: 05S
UTM: Zone-11 N3737247 E396372	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 03 Qtr: NE
Symbol Type: POLYGON	Meridian: S
Area:	Elevation: 10 ft

Location: LONG BEACH, WEST OF PACIFIC COAST HIGHWAY AND SOUTH OF 7TH STREET.

Location Detail: COLLECTED IN 1932 IN LOW MARSH GROUND 100-200 FEET WEST OF HIGHWAY AT SE CORNER OF OIL LEASE IN THE NE 1/4 OF SECTION 3. 1973 COLLECTION FROM BELOW THE STATE UNIVERSITY NEAR PACIFIC COAST HIGHWAY IS ALSO ATTRIBUTED TO THIS SITE.

Ecological: IN SALINE AREAS BELOW GRASS DOMINATED HILLSIDE. ASSOCIATED WITH BROMUS, LOLIUM, AND AVENA.

Threat:

General: TWO COLLECTIONS FROM THIS VICINITY; WOLF (#4098 RSA) IN 1932 AND J. HENDRICKSON (#10706 RSA) IN 1973.

Owner/Manager: UNKNOWN

_____ **Sources** _____

HEN73S0005	HENRICKSON, J. HENRICKSON #10706 RSA #292471. 1973-06-15.
WOL32S0018	WOLF, C.B. WOLF #4098 RSA #5880. 1932-09-16.

Centromadia parryi ssp. australis

southern tarplant

Element Code: PDAST4R0P4

_____ **Status** _____ **NDDB Element Ranks** _____ **Other Lists** _____
Federal: None **Global:** G4T2 **CNPS List:** 1B.1
State: None **State:** S2

_____ **Habitat Associations** _____
General: MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND.
Micro: OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON V

Occurrence No. 44 **Map Index:** 39586 **EO Index:** 34588 **— Dates Last Seen —**
Occ Rank: Unknown **Element:** 1997-10-10
Origin: Natural/Native occurrence **Site:** 1997-10-10
Presence: Presumed Extant
Trend: Unknown **Record Last Updated:** 1998-08-31

Quad Summary: Los Alamitos (3311871/089D)
County Summary: Los Angeles

Lat/Long: 33.76684° / -118.10420° **Township:** 05S
UTM: Zone-11 N3736852 E397749 **Range:** 12W
Mapping Precision: NON-SPECIFIC **Section:** 02 **Qtr:** XX
Symbol Type: POINT **Meridian:** S
Radius: 1/10 mile **Elevation:** 10 ft

Location: LOYNES DRIVE AND STUDEBAKER AVENUE, WEST OF BRIDGE THAT CROSSES LOS CERRITOS CHANNEL.
Location Detail:
Ecological:
Threat:
General: UNKNOWN HOW MANY PLANTS SEEN IN 1997.
Owner/Manager: UNKNOWN

_____ **Sources** _____
GAR97R0001 GARDINER, G. THESIS: HEMIZONIA PARRYI SSP. AUSTRALIS. 1997-12-17.

Centromadia parryi ssp. australis

southern tarplant

Element Code: PDAST4R0P4

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

Federal: None
State: None

Global: G4T2
State: S2

CNPS List: 1B.1

----- **Habitat Associations** -----

General: MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND.

Micro: OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON V

Occurrence No. 45

Map Index: 39587

EO Index: 34589

----- **Dates Last Seen** -----

Occ Rank: Fair

Element: 2004-07-13

Origin: Natural/Native occurrence

Site: 2004-07-13

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-01-26

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)

County Summary: Los Angeles, Orange

Lat/Long: 33.75334° / -118.09996°

Township: 05S

UTM: Zone-11 N3735351 E398125

Range: 12W

Mapping Precision: SPECIFIC

Section: 11 **Qtr:** XX

Symbol Type: POLYGON

Meridian: S

Area: 208.8 acres

Elevation: 10 ft

Location: ALONG BOTH SIDES OF THE SAN GABRIEL CHANNEL, NEAR ITS MOUTH.

Location Detail: MAPPED BY CNDDDB AS 5 COLONIES. NORTHERN THREE COLONIES ARE WITHIN THE BIXBY RANCH OIL FIELD. WESTERN COLONY IS AT THE INTERSECTION OF HWY 1 & STUDEBAKER RD. SE COLONY MAPPED BASED ON NON-SPECIFIC SITE INFO FROM A COLLECTION.

Ecological: DISTURBED ALKALI MEADOW AND RUDERAL GRASSLAND WITH BASSIA HYSSOPIFOLIA, DISTICHLIS SPICATA, POLYPOGON MONSPELIENSIS, ASTER SUBULATUS, HELIOTROPIMUM CURASSAVICUM, CRESSA TRUXELLENSIS, PICRIS ECHIOIDES, SALICORNIA VIRGINICA, FRANKENIA SALINA.

Threat: OIL FIELD IS PROPOSED FOR DEACTIVATION, CLEANUP, AND DEVELOPMENT. DEVELOPMENT PROPOSED WITHIN BOTH SOUTHERN COLONIES.

General: NORTHERN 3 COLONIES: 718 PLANTS IN 1996, 100 SEEN 1997. W COLONY: 100 PLANTS IN 2004. SE COLONY MAPPED BASED ON COLLECTION BY JONES & LOEFFLER, 3300 PLANTS OBSERVED HERE IN 1996. INCLUDES FORMER OCCURRENCES #46 & 51.

Owner/Manager: PVT

----- **Sources** -----

- BRA96F0002 BRAMLET, D. FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS. 1996-10-22.
- BRA96S0002 BRAMLET, D. BRAMLET #2480 UCR #99407, RSA #597722, SD #215391. 1996-10-22.
- GAR97R0001 GARDINER, G. THESIS: HEMIZONIA PARRYI SSP. AUSTRALIS. 1997-12-17.
- GAR97S0001 GARDINER, G. GARDINER SN MACF (CITED IN GAR97R0001). 1997-10-10.
- GAR97S0002 GARDINER, G. GARDINER SN MACF (CITED IN GAR97R0001). 1997-10-10.
- GRE97S0001 GREENE, J. GREENE SN RSA #678919, UCR #204270. 1997-09-12.
- JON96S0001 JONES, C. & W. LOEFFLER. JONES #13 UCR #98777, RSA #596143. 1996-09-16.
- SPR04F0002 SPRANZA, J. FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS. 2004-07-13.

California Department of Fish and Game
 Natural Diversity Database
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Cicindela gabbii		
western tidal-flat tiger beetle		Element Code: IICOL02080
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4	CDFG Status:
State: None	State: S1	
Habitat Associations		
General: INHABITS ESTUARIES AND MUDFLATS ALONG THE COAST OF SOUTHERN CALIFORNIA.		
Micro: GENERALLY FOUND ON DARK-COLORED MUD IN THE LOWER ZONE; OCCASIONALLY FOUND ON DRY SALINE FLATS OF ESTUARIES.		

* SENSITIVE *

Occurrence No. 1	Map Index: 72493	EO Index: 2504	Dates Last Seen
Occ Rank: Unknown			Element: 1998-07-11
Origin: Natural/Native occurrence			Site: 1998-07-11
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2012-09-14

Quad Summary: Los Alamitos (3311871/089D), Seal Beach (3311861/072A)
County Summary: Orange

* SENSITIVE *

Lat/Long:	Township:	
UTM:	Range:	
Mapping Precision:	Section:	Qtr:
Symbol Type:	Meridian:	
Radius:	Elevation:	

Location: *SENSITIVE* Location information suppressed.

Location Detail: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.

Ecological:

Threat:

General:

Owner/Manager:

Sources

- | | |
|------------|--|
| NAG80A0001 | NAGANO, C.D. (LA COUNTY MUSEUM). POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(82) 8(2):33-42. 1980-XX-XX. |
| RUM88U0001 | RUMP, N. UNPUBLISHED SUMMARIES ON BEETLES: CICINDELA LATESIGNATA, C. SENILIS FROSTI, C. GABBII, C. TRANQUEBARICA VIRIDISSIMA & AGABUS RUMPPI. 1988-XX-XX. |
| SHA05S0002 | SHANKS, S. LIST OF SPECIMEN DATA RECORDED DURING A VISIT TO THE BOHART MUSEUM OF ENTOMOLOGY AT UC DAVIS ON 09 MAR 2005. 2005-03-09. |
| SHA05S0006 | SHANKS, S. (CDFW-CNDDDB). MUSEUM SPECIMEN DATA TAKEN FROM CALIFORNIA STATE COLLECTION OF ARTHROPODS (CDFA). 2005-04-20. |

Cicindela hirticollis gravida

sandy beach tiger beetle

Element Code: IICOL02101

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----

Federal: None

Global: G5T2

CDFG Status:

State: None

State: S1

----- **Habitat Associations** -----

General: INHABITS AREAS ADJACENT TO NON-BRACKISH WATER ALONG THE COAST OF CALIFORNIA FROM SAN FRANCISCO BAY TO NORTHERN MEXICO.

Micro: CLEAN, DRY, LIGHT-COLORED SAND IN THE UPPER ZONE. SUBTERRANEAN LARVAE PREFER MOIST SAND NOT AFFECTED BY WAVE ACTION.

Occurrence No. 15

Map Index: 02201

EO Index: 22672

----- **Dates Last Seen** -----

Occ Rank: None

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: 1979-XX-XX

Presence: Extirpated

Trend: Unknown

Record Last Updated: 2012-09-14

Quad Summary: Los Alamitos (3311871/089D), Long Beach (3311872/089C)

County Summary: Los Angeles

Lat/Long: 33.75578° / -118.12246°

Township: 05S

UTM: Zone-11 N3735643 E396045

Range: 12W

Mapping Precision: NON-SPECIFIC

Section: 10 **Qtr:** XX

Symbol Type: POLYGON

Meridian: S

Area:

Elevation: 10 ft

Location: NAPLES.

Location Detail:

Ecological: INHABITED CLEAN, DRY, LIGHT-COLORED SAND IN THE UPPER ZONE.

Threat: SENSITIVE TO CONTACT WITH HUMANS.

General: HISTORICAL LOCATION.

Owner/Manager: UNKNOWN

----- **Sources** -----

NAG80A0001

NAGANO, C.D. (LA COUNTY MUSEUM). POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(82) 8(2):33-42. 1980-XX-XX.

Cicindela hirticollis gravida

sandy beach tiger beetle

Element Code: IICOL02101

----- **Status** ----- **NDDB Element Ranks** ----- **Other Lists** -----
Federal: None **Global:** G5T2 **CDFG Status:**
State: None **State:** S1

----- **Habitat Associations** -----
General: INHABITS AREAS ADJACENT TO NON-BRACKISH WATER ALONG THE COAST OF CALIFORNIA FROM SAN FRANCISCO BAY TO NORTHERN MEXICO.
Micro: CLEAN, DRY, LIGHT-COLORED SAND IN THE UPPER ZONE. SUBTERRANEAN LARVAE PREFER MOIST SAND NOT AFFECTED BY WAVE ACTION.

Occurrence No. 33 **Map Index:** 60073 **EO Index:** 60109 **----- Dates Last Seen -----**
Occ Rank: None **Element:** 1945-08-15
Origin: Natural/Native occurrence **Site:** 1945-08-15
Presence: Extirpated
Trend: Unknown **Record Last Updated:** 2005-02-17

Quad Summary: Long Beach (3311872/089C), Seal Beach (3311861/072A), Los Alamitos (3311871/089D)
County Summary: Los Angeles

Lat/Long: 33.75431° / -118.12182° **Township:** 05S
UTM: Zone-11 N3735480 E396101 **Range:** 12W
Mapping Precision: NON-SPECIFIC **Section:** 10 **Qtr:** XX
Symbol Type: POINT **Meridian:** S
Radius: 3/5 mile **Elevation:** 10 ft

Location: ALAMITOS BAY.
Location Detail:
Ecological:
Threat:
General: HISTORICAL RECORD.
Owner/Manager: UNKNOWN

- **Sources** -----
- KNI03R0001 KNISLEY, C.B. (RANDOLPH-MACON COLLEGE). A STATUS REVIEW OF THE SACRAMENTO VALLEY TIGER BEETLE, CICINDELA HIRTICOLLIS ABRUPTA. REPORT TO THE USFWS SACRAMENTO FIELD OFFICE. 2003-02-05.
 - KNI04R0002 KNISLEY, C.B. (RANDOLPH-MACON COLLEGE). BIOLOGY AND CONSERVATION OF THE SACRAMENTO VALLEY TIGER BEETLE, CICINDELA HIRTICOLLIS ABRUPTA. REPORT TO USFWS SACRAMENTO FIELD OFFICE. 2004-11-10.

California Department of Fish and Game
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Cicindela latesignata latesignata		
western beach tiger beetle		
		Element Code: IICOL02113
_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G4T1T2	CDFG Status:
State: None	State: S1	
_____ Habitat Associations _____		
General: MUDFLATS AND BEACHES IN COASTAL SOUTHERN CALIFORNIA.		
Micro:		

Occurrence No. 10 Map Index: 02237 EO Index: 60950 _____ Dates Last Seen _____
 Occ Rank: None Element: XXXX-XX-XX
 Origin: Natural/Native occurrence Site: XXXX-XX-XX
 Presence: Extirpated
 Trend: Unknown Record Last Updated: 2012-09-14

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)
 County Summary: Los Angeles, Orange

Lat/Long: 33.74423° / -118.10420°	Township: 05S
UTM: Zone-11 N3734344 E397722	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 14 Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 3/5 mile	Elevation: 10 ft

Location: SEAL BEACH.
 Location Detail:
 Ecological:
 Threat:
 General: HISTORICAL LOCALITY.
 Owner/Manager: UNKNOWN

_____ Sources _____
 NAG80A0001 NAGANO, C.D. (LA COUNTY MUSEUM). POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(82) 8(2):33-42. 1980-XX-XX.

Cicindela senilis frosti

senile tiger beetle

Element Code: IICOL02121

_____ **Status** _____ **NDDB Element Ranks** _____ **Other Lists** _____

Federal: None

Global: G4T1

CDFG Status:

State: None

State: S1

_____ **Habitat Associations** _____

General: INHABITS MARINE SHORELINE, FROM CENTRAL CALIFORNIA COAST SOUTH TO SALT MARSHES OF SAN DIEGO. ALSO FOUND AT LAKE ELSINORE

Micro: INHABITS DARK-COLORED MUD IN THE LOWER ZONE AND DRIED SALT PANS IN THE UPPER ZONE.

Occurrence No. 5

Map Index: 02237

EO Index: 22659

_____ **Dates Last Seen** _____

Occ Rank: None

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: 1979-XX-XX

Presence: Extirpated

Trend: Unknown

Record Last Updated: 2012-09-14

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)

County Summary: Los Angeles, Orange

Lat/Long: 33.74423° / -118.10420°

Township: 05S

UTM: Zone-11 N3734344 E397722

Range: 12W

Mapping Precision: NON-SPECIFIC

Section: 14 **Qtr:** XX

Symbol Type: POINT

Meridian: S

Radius: 3/5 mile

Elevation: 10 ft

Location: SEAL BEACH.

Location Detail: THE BEETLE WAS RESTRICTED TO SPECIFIC, HARD-TO-LOCATE AREAS WITHIN THE MARINE SALT MARSH.

Ecological: THE BEETLE'S FLIGHT PERIOD IS BIMODAL - IN EARLY SPRING AND LATE FALL.

Threat:

General: UNCOMMONLY COLLECTED BECAUSE POPULATIONS NATURALLY EXIST AT VERY LOW LEVELS. HISTORICAL LOCATION.

Owner/Manager: UNKNOWN

_____ **Sources** _____

NAG80A0001

NAGANO, C.D. (LA COUNTY MUSEUM). POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(82) 8(2):33-42. 1980-XX-XX.

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Danaus plexippus		Element Code: IILEPP2010	
monarch butterfly			
Status	NDDB Element Ranks	Other Lists	
Federal: None	Global: G5	CDFG Status:	
State: None	State: S3		
Habitat Associations			
General: WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.			
Micro: ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.			

Occurrence No. 303	Map Index: 33192	EO Index: 2680	Dates Last Seen
Occ Rank: Good			Element: 1997-11-30
Origin: Natural/Native occurrence			Site: 1997-11-30
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-06-22

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)
County Summary: Orange

Lat/Long: 33.74977° / -118.09323°	Township: 05S
UTM: Zone-11 N3734948 E398745	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 12 Qtr: W
Symbol Type: POINT	Meridian: S
Radius: 1/5 mile	Elevation: 15 ft

Location: GUM GROVE PARK, NORTH OF CRESTVIEW AVENUE, SEAL BEACH.

Location Detail:

Ecological: ROOSTING HABITAT CONSISTS OF A SMALL GROVE OF EUCALYPTUS PLANTED ON A SLOPE BEHIND SOME HOMES.

Threat: POSSIBLE THREAT FROM TREE TRIMMING, VANDALISM (FIRE), AND DEVELOPMENT OF ADJACENT OIL COMPANY LANDS.

General: 50-100 OBSERVED ROOSTING/FLYING ON 21 MARCH 1990. 700 OBSERVED DURING 1990-91. <10 OBSERVED IN NOV 1992; NONE BY JAN 1993. ONE FLYER OBSERVED IN DEC 1993. 25 OBSERVED IN NOV 1995. 2000 OBSERVED ON 30 NOV 97.

Owner/Manager: UNKNOWN

Sources

- | | |
|------------|--|
| SAK91F0002 | SAKAI, W.H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1990-91. 1991-XX-XX. |
| SAK93F0001 | SAKAI, W.H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1992-93. 1993-XX-XX. |
| SAK94F0001 | SAKAI, W.H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED DURING WINTER 1993-94. 1994-XX-XX. |
| SAK96F0001 | SAKAI, W.H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1995-96. 1996-XX-XX. |
| SAK98F0001 | SAKAI, W.H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1997-98. 1998-XX-XX. |
| VOU90F0004 | VOUCHILAS, C. (WESCO). FIELD SURVEY FORM FOR DANAUS PLEXIPPUS (WINTERING SITE). 1990-03-21. |

Passerculus sandwichensis beldingi

Belding's savannah sparrow

Element Code: ABPBX99015

_____ **Status** _____ **NDDB Element Ranks** _____ **Other Lists** _____

Federal: None

Global: G5T3

CDFG Status:

State: Endangered

State: S3

_____ **Habitat Associations** _____

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

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

Occurrence No. 8

Map Index: 02224

EO Index: 24653

_____ **Dates Last Seen** _____

Occ Rank: Unknown

Element: 2001-04-10

Origin: Natural/Native occurrence

Site: 2001-04-10

Presence: Presumed Extant

Trend: Increasing

Record Last Updated: 2002-09-24

Quad Summary: Los Alamitos (3311871/089D)

County Summary: Los Angeles

Lat/Long: 33.76478° / -118.10811°

Township: 05S

UTM: Zone-11 N3736627 E397384

Range: 12W

Mapping Precision: NON-SPECIFIC

Section: 11 **Qtr:** XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation: 5 ft

Location: LOS CERRITOS MARSH, SOUTH OF CERRITOS CHANNEL & WEST OF STUDEBAKER ROAD.

Location Detail: BELDINGS CLUSTERED IN THE HIGHER ELEVATION AREA IN THE CENTER OF THE TIDALLY INFLUENCED AREA.

Ecological: REMNANT OF ONCE EXTENSIVE ALAMITOS BAY MARSHES. TIDAL INFLUENCE IN 25-30 ACRES. RESTORATION OF ~70 ACRES IS PLANNED (1991) IN CONJUNCTION WITH PROPOSED HOUSING DEVELOPMENT. RESTORATION & MANAGEMENT RESULTED IN HIGH COUNT OF BIRDS IN 2001.

Threat: TRASH DUMPING & PET USE COMMON. RED FOX OBSERVED IN 1991. OIL RECOVERY OPERATIONS ADJACENT TO SITE

General: NOT SURVEYED IN 1973, 5 PRS ESTIMATED IN 1977, 2 PRS ESTIMATED IN 1986, 9 PRS ESTIMATED IN 1991. 4 PRS EST IN 1996. 19 PRS EST IN 2001.

Owner/Manager: UNKNOWN

_____ **Sources** _____

- FWS87R0003 U.S. FISH & WILDLIFE SERVICE. A SURVEY OF BELDING'S SAVANNAH SPARROWS IN CALIFORNIA, 1986. 1987-01-XX.
- JAM91R0001 JAMES, R. & D. STADTLANDER (USFWS). A SURVEY OF THE BELDING'S SAVANNAH SPARROW (PASSERCULUS SANDWICHENSIS BELDINGI) IN CALIFORNIA, 1991. 1991-11-XX.
- MAS77R0001 MASSEY, B.W. A CENSUS OF THE BREEDING POPULATION OF THE BELDING'S SAVANNAH SPARROW IN CALIFORNIA. DEPT. OF FISH & GAME. 1977-XX-XX.
- ZEM02R0001 ZEMBAL, R. & S. HOFFMAN. A SURVEY OF THE BELDING'S SAVANNAH SPARROW (PASSERCULUS SANDWICHENSIS BELDINGI) IN CALIFORNIA, 2001. 2002-06-XX.

Phrynosoma blainvillii

coast horned lizard

Element Code: ARACF12100

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4G5	CDFG Status: SC
State: None	State: S3S4	

Habitat Associations

General: FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro: OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

Occurrence No. 253	Map Index: 02248	EO Index: 27988	— Dates Last Seen —
Occ Rank: None			Element: 1961-05-11
Origin: Natural/Native occurrence			Site: 1961-05-11
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2012-02-23

Quad Summary: Los Alamitos (3311871/089D)

County Summary: Orange, Los Angeles

Lat/Long: 33.77585° / -118.09178°	Township: 05S
UTM: Zone-11 N3737838 E398909	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 01 Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 3/5 mile	Elevation: 10 ft

Location: E SIDE OF SAN GABRIEL RIVER, ABOUT 1 MI E OF CALIFORNIA STATE UNIVERSITY, LONG BEACH.

Location Detail: MAPPED TO BEST ESTIMATE OF "SAN GABRIEL RIV BY 7TH ST, ORANGE COUNTY" AND "SAN GABRIEL RIV, 1 MI E LBSC CAMPUS."

Ecological:

Threat: HABITAT ELIMINATED WHEN SAN GABRIEL RIVER WAS "CONCRETE-LINED."

General: 1 COLLECTED BY U. AOKI ON 21 APR 1951 (LACM #101374). 1 IN SAND COLLECTED BY M.G. O'CONNELL ON 11 MAY 1961 (LACM #101375).

Owner/Manager: UNKNOWN

Sources

- | | |
|------------|---|
| AOK51S0001 | AOKI, U. (LA COUNTY MUSEUM). LACM HERPETOLOGICAL SPECIMEN #101374. 1951-04-21. |
| OCO61S0001 | O'CONNELL, M. (LA COUNTY MUSEUM). LACM HERPETOLOGICAL SPECIMEN #101375. 1961-05-11. |

Phrynosoma blainvillii

coast horned lizard

Element Code: ARACF12100

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4G5	CDFG Status: SC
State: None	State: S3S4	

Habitat Associations

General: FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro: OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

Occurrence No. 278	Map Index: 02237	EO Index: 27967	— Dates Last Seen —
Occ Rank: None			Element: 1952-05-28
Origin: Natural/Native occurrence			Site: 1952-05-28
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 2012-02-23

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)

County Summary: Los Angeles, Orange

Lat/Long: 33.74423° / -118.10420°	Township: 05S
UTM: Zone-11 N3734344 E397722	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 14 Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 3/5 mile	Elevation: 10 ft

Location: SEAL BEACH AND WEST SEAL BEACH.

Location Detail: MAPPED TO PROVIDED LOCALITIES OF "SEAL BEACH" AND "W SEAL BEACH."

Ecological:

Threat: HEAVILY DEVELOPED AREA.

General: 1 COLLECTED BY J.D. MILNE ON 23 FEB 1952 (LACM #101371). 1 COLLECTED BY R. SHILLING ON 23 FEB 1952 (LACM #101372). 1 COLLECTED BY A. DAVENPORT ON 28 MAY 1952 (LACM #101373).

Owner/Manager: UNKNOWN

Sources

- DAV52S0001 DAVENPORT, A. (LA COUNTY MUSEUM). LACM HERPETOLOGICAL SPECIMEN #101373. 1952-05-28.
- MIL52S0001 MILNE, J. (LA COUNTY MUSEUM). LACM HERPETOLOGICAL SPECIMEN #101371. 1952-02-23.
- SHI52S0001 SHILLING, R. (LA COUNTY MUSEUM). LACM HERPETOLOGICAL SPECIMEN #101372. 1952-02-23.

California Department of Fish and Game
 Natural Diversity Database
 Full Report with Sources for Selected Elements
 Special-status species within 1 mile of AEC

Sidalcea neomexicana

Salt Spring checkerbloom

Element Code: PDMAL110J0

_____ Status _____	_____ NDDB Element Ranks _____	_____ Other Lists _____
Federal: None	Global: G4?	CNPS List: 2.2
State: None	State: S2S3	

_____ **Habitat Associations** _____

General: ALKALI PLAYAS, BRACKISH MARSHES, CHAPARRAL, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MOJAVEAN DESERT SCRUB.

Micro: ALKALI SPRINGS AND MARSHES. 0-1500M.

Occurrence No. 3	Map Index: 35236	EO Index: 21131	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 1936-05-25
Origin: Natural/Native occurrence			Site: 1936-05-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-06-28

Quad Summary: Los Alamitos (3311871/089D)
County Summary: Los Angeles

Lat/Long: 33.77051° / -118.09936°	Township: 05S
UTM: Zone-11 N3737254 E398202	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 02 Qtr: NE
Symbol Type: POINT	Meridian: S
Radius: 1/5 mile	Elevation: 10 ft

Location: BRYANT RANCH, EAST OF LONG BEACH NEAR 7TH STREET AT SAN GABRIEL FLOOD CONTROL.

Location Detail: 1400 FEET SOUTH OF 7TH STREET ON THE WEST SIDE OF THE FLOOD CONTROL CHANNEL. COLLECTIONS FROM "BRYANT RANCH, NW CORNER OF BRYANT AVE AND HANSEN RD, EAST OF LOS ALAMITOS." ALSO MAPPED AT THIS VICINITY.

Ecological: UPPER SONORAN GRASSLAND WITH FINE, ALKALINE SOILS.

Threat:

General: THREE COLLECTIONS ATTRIBUTED TO THIS SITE; C.B WOLF #5650 RSA, WOLF #2591 CAS, AND EVERETT #6691 DS.

Owner/Manager: UNKNOWN

_____ Sources _____	
EVE35S0002	EVERETT. EVERETT #6691 DS #390769. 1935-04-27.
ROS93U0001	ROSS, T. LETTER TO CNPS REGARDING CALOCHORTUS WEEDII INTERMEDIUS, EUPHORBIA MISERA, LOMATIUM INSULARE, NAMA STENOCARPUM, SIDALCEA NEOMEXICANA, DUDLEYA VIRENS, ERIASTRUM VIRGATUM, ET AL. 1993-10-17.
WOL34S0008	WOLF, C.B. WOLF #5650 RSA #12275. 1934-04-11.
WOL36S0007	WOLF, C. WOLF #2591 CAS #363198. 1936-05-25.

Southern Coastal Salt Marsh

Element Code: CTT52120CA

_____ Status _____ NDDB Element Ranks _____ Other Lists _____

Federal: None

Global: G2

State: None

State: S2.1

_____ Habitat Associations _____

General:

Micro:

Occurrence No. 15

Map Index: 02224

EO Index: 26125

_____ Dates Last Seen _____

Occ Rank: Unknown

Element: 1976-XX-XX

Origin: Natural/Native occurrence

Site: 1976-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-07-20

Quad Summary: Los Alamitos (3311871/089D)

County Summary: Los Angeles

Lat/Long: 33.76478° / -118.10811°

Township: 05S

UTM: Zone-11 N3736627 E397384

Range: 12W

Mapping Precision: NON-SPECIFIC

Section: 11 Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation: 5 ft

Location: NEAR ALAMITOS BAY IN CITY OF LONG BEACH.

Location Detail: SMALL MARSH (REMNANT OF 2400 HISTORIC MARSH AC, SPETH, 1976).

Ecological:

Threat: SLATED FOR DEVEL ACC TO HENDRICKSON, 1976; NEAR POWERPLANT, OIL FIELD, URBANIZATION.

General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

_____ Sources _____

- HEN76A0001 HENDRICKSON, J. ECOLOGY OF SOUTHERN CALIFORNIA COASTAL SALT MARSHES IN: PLANT COMMUNITIES OF SOUTHERN CALIFORNIA, LATTING, EDITOR. CNPS SPECIAL PUBLICATION #2, PP. 49-64. 1976-XX-XX.
- SEE82U0001 SEED, J. PERSONAL COMMUNICATION VIA CONVERSATION WITH C.L. ROYE IN OFFICE ABOUT LOCATION OF MARSH IN ALAMITOS BAY. 1982-12-20.
- SPE76R0001 SPETH, J.W. ET AL. THE NATURAL RESOURCES OF ANAHEIM BAY HUNTINGTON HARBOR. CALIFORNIA DEPT. OF FISH & GAME COASTAL WETLANDS SERIES REPORT #18. 1976-XX-XX.

Sternula antillarum browni

California least tern

Element Code: ABNNM08103

_____ Status _____	_____ NDDB Element Ranks _____	_____ Other Lists _____
Federal: Endangered	Global: G4T2T3Q	CDFG Status:
State: Endangered	State: S2S3	

_____ Habitat Associations _____

General: NESTS ALONG THE COAST FROM SAN FRANCISCO BAY SOUTH TO NORTHERN BAJA CALIFORNIA.
Micro: COLONIAL BREEDER ON BARE OR SPARSELY VEGETATED, FLAT SUBSTRATES: SAND BEACHES, ALKALI FLATS, LAND FILLS, OR PAVED AREAS.

Occurrence No. 15	Map Index: 02226	EO Index: 25697	_____ Dates Last Seen _____
Occ Rank: None			Element: 1980-XX-XX
Origin: Natural/Native occurrence			Site: 1981-XX-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1998-11-23

Quad Summary: Los Alamitos (3311871/089D)
County Summary: Los Angeles

Lat/Long: 33.75416° / -118.10587°	Township: 05S
UTM: Zone-11 N3735447 E397579	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 11 Qtr: NW
Symbol Type: POINT	Meridian: S
Radius: 1/10 mile	Elevation: 10 ft

Location: EAST OF PACIFIC COAST HWY BETWEEN N BANK OF THE SAN GABRIEL RIVER & "THE MARKETPLACE". FILL
Location Detail: AREA.

Ecological: HABITAT IS LANDFILL OF HARD CLAY COVERED WITH SEVERAL INCHES OF FINE DUST.

Threat:

General: SITE WAS USED CONTINUOUSLY BETWEEN 1971 AND 1980 BY 35-65 PAIRS WITH 0-70 YOUNG FLEDGED.
 SITE WAS LOST IN 1981 TO EXPANSION OF "THE MARKET PLACE."

Owner/Manager: UNKNOWN

_____ Sources _____

ATW77R0001	ATWOOD, J.L. ET AL. CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY, 1977, CALIFORNIA DEPARTMENT OF FISH & GAME, 1977. 1977-XX-XX.
KEL89U0001	KELLY, P. CONVERSATION ABOUT LEAST TERN NESTING SITES, EO #053. 1989-XX-XX.
MAS79R0002	MASSEY, B.W. & J.L. ATWOOD. APPLICATION OF ECOLOGICAL INFORMATION TO HABITAT MANAGEMENT FOR THE CALIFORNIA LEAST TERN PROGRAM REPORT NO. 1 PREPARED FOR USFWS, LAGUNA NIGEL. 1979-XX-XX.

Sternula antillarum browni

California least tern

Element Code: ABNNM08103

Status	NDDB Element Ranks	Other Lists
Federal: Endangered State: Endangered	Global: G4T2T3Q State: S2S3	CDFG Status:

Habitat Associations

General: NESTS ALONG THE COAST FROM SAN FRANCISCO BAY SOUTH TO NORTHERN BAJA CALIFORNIA.
Micro: COLONIAL BREEDER ON BARE OR SPARSELY VEGETATED, FLAT SUBSTRATES: SAND BEACHES, ALKALI FLATS, LAND FILLS, OR PAVED AREAS.

Occurrence No. 66	Map Index: 02216	EO Index: 25655	— Dates Last Seen —
Occ Rank: None			Element: 1986-XX-XX
Origin: Natural/Native occurrence			Site: 1988-XX-XX
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 1998-11-23

Quad Summary: Los Alamitos (3311871/089D)

County Summary: Los Angeles

Lat/Long: 33.76057° / -118.11836°	Township: 05S
UTM: Zone-11 N3736170 E396430	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 10 Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 1/10 mile	Elevation:

Location: COSTA DEL SOL. CONSTRUCTION SITE EAST SIDE & ADJACENT TO MARINE STADIUM IN LONG BEACH.

Location Detail:

Ecological:

Threat: 1988, HEAVY CONSTRUCTION UNDERWAY; SITE MAY NO LONGER BE A VIABLE NESTING AREA.

General: 1982: 23 PR NESTED ON RECTANGULAR, BULKHEADED, GRAVEL-COVERED BAY. 1983: 25 PR, 14 FLEDGED; 1984, 5 PR, 7 FLEDGED; 1985: 33 PR, 3 FLEDGED (HEAVY PREDATION BY KESTREL); 1986: 4 PR, 0 FLEDGED. AREA NOT USED IN 1987 OR 1988.

Owner/Manager: PVT

Sources

- COL87R0001 COLLINS, C.T. END OF SEASON REPORT, CALIFORNIA LEAST TERN FIELD STUDY, 1987 FIELD SEASON. (DRAFT). 1987-XX-XX.
- JUR88U0001 JUREK, R. (CDFW). TELEPHONE CONVERSATION REGARDING COSTA DEL SOL LEAST TERN NESTING SITE. 1988-XX-XX.
- MAS82R0001 MASSEY, B.W. & J.L. ATWOOD. APPLICATION OF ECOLOGICAL INFORMATION TO HABITAT MANAGEMENT FOR THE CALIFORNIA LEAST TERN PROGRAM REPORT NO. 4 PREPARED FOR USFWS, LAGUNA NIGEL. 1982-XX-XX.
- MAS83R0001 MASSEY, B.W. & J.L. ATWOOD. APPLICATION OF ECOLOGICAL INFORMATION TO HABITAT MANAGEMENT FOR THE CALIFORNIA LEAST TERN PROGRAM REPORT NO. 5 PREPARED FOR USFWS, LAGUNA NIGEL. 1983-XX-XX.
- MAS84R0001 MASSEY, B.W. & J.L. ATWOOD. APPLICATION OF ECOLOGICAL INFORMATION TO HABITAT MANAGEMENT FOR THE CALIFORNIA LEAST TERN PROGRAM REPORT NO. 6 PREPARED FOR USFWS, LAGUNA NIGEL. 1984-XX-XX.
- MAS85R0001 MASSEY, B.W. & J.L. ATWOOD. ANALYSIS OF BANDED CALIFORNIA LEAST TERNS NESTING ON NORTH BEACH, CAMP PENDLETON, P.O. #MOO-85-M-7213, US MARINE CORPS. 1985-08-25.
- MAS88R0001 MASSEY, B.W. CALIFORNIA LEAST TERN FIELD STUDY, 1988 BREEDING SEASON. 1988-XX-XX.
- MAS89A0001 MASSEY, B. & J. FANCHER. "RENESTING BY CALIFORNIA LEAST TERNS." JOURNAL OF FIELD ORNITHOLOGY. 1989-XX-XX.

California Department of Fish and Game
Natural Diversity Database
Full Report with Sources for Selected Elements
Special-status species within 1 mile of AEC

Suaeda esteroa		Element Code: PDCHE0P0D0	
estuary seablite			
Status		NDDB Element Ranks	
Federal: None		Global: G3	
State: None		State: S2	
Other Lists		CNPS List: 1B.2	
Habitat Associations			
General: MARSHES AND SWAMPS.			
Micro: COASTAL SALT MARSHES IN CLAY, SILT, AND SAND SUBSTRATES. 0-5M.			

Occurrence No. 14 **Map Index:** 02237 **EO Index:** 48865 **Dates Last Seen**

Occ Rank: Unknown **Element:** 1923-09-19

Origin: Natural/Native occurrence **Site:** 1923-09-19

Presence: Presumed Extant

Trend: Unknown **Record Last Updated:** 2002-10-01

Quad Summary: Seal Beach (3311861/072A), Los Alamitos (3311871/089D)
County Summary: Los Angeles, Orange

Lat/Long: 33.74423° / -118.10420°	Township: 05S
UTM: Zone-11 N3734344 E397722	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 14 Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 3/5 mile	Elevation: 10 ft

Location: SEAL BEACH.

Location Detail: EXACT LOCATION UNKNOWN MAPPED BY CNDDDB IN VICINITY OF SEAL BEACH.

Ecological:

Threat:

General: SITE ALSO REPRESENTED BY 1930 COLLECTION BY FOSBERG (S3179 LAM) AT 'ANAHEIM LANDING' AND CITATION IN REISER'S 'RARE PLANTS OF SAN DIEGO COUNTY' (2001). NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Sources

FER83A0001	FERREN, W. & S. WHITMORE. SUAEDA ESTEROA (CHENOPODIACEAE), A NEW SPECIES FROM ESTUARIES OF SOUTHERN CALIFORNIA AND BAJA CALIFORNIA. MADRONO VOL. 30, NO. 3, PP. 181-190. 1983-07-15.
FOS30S0006	FOSBERG. FOSBERG #S3179 LAM (CITED IN FER83A0001). 1930-07-10.
JON25S0002	JONES. JONES SN POM (CITED IN FER83A0001). 1925-09-19.
REI01B0001	REISER, C. RARE PLANTS OF SAN DIEGO COUNTY. 2001-07-XX.

Symphyotrichum defoliatum

San Bernardino aster

Element Code: PDASTE80C0

_____ Status _____	_____ NDDB Element Ranks _____	_____ Other Lists _____
Federal: None	Global: G2	CNPS List: 1B.2
State: None	State: S2	

_____ **Habitat Associations** _____

General: MEADOWS AND SEEPS, MARSHES AND SWAMPS, COASTAL SCRUB, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST, GRASSLAND.

Micro: VERNALLY MESIC GRASSLAND OR NEAR DITCHES, STREAMS AND SPRINGS; DISTURBED AREAS. 2-2040M.

Occurrence No. 27	Map Index: 60532	EO Index: 60568	_____ Dates Last Seen _____
Occ Rank: None			Element: 1932-09-16
Origin: Natural/Native occurrence			Site: 1932-09-16
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2010-04-27

Quad Summary: Los Alamitos (3311871/089D)
County Summary: Los Angeles

Lat/Long: 33.77539° / -118.11888°	Township: 05S
UTM: Zone-11 N3737814 E396399	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 03 Qtr: NE
Symbol Type: POLYGON	Meridian: S
Area:	Elevation: 10 ft

Location: BRYANT RANCH, AT EXTREME SE CORNER OF PACIFIC WESTERN OIL CO LEASE, 100-150 FT WEST OF STATE HIGHWAY.

Location Detail: MAPPED BY CNDDDB IN THE NE1/4 OF SECTION 3 BASED ON TRS ON COLLECTION LABEL.

Ecological: LOW MARSHY GROUND.

Threat: SITE PRESUMED EXTIRPATED; MUCH DEVELOPMENT HAS OCCURRED IN THIS AREA SINCE 1932.

General: A 1932 WOLF COLLECTION IS THE ONLY SOURCE OF INFORMATION FOR THIS SITE.

Owner/Manager: UNKNOWN

_____ **Sources** _____

WOL32S0037 WOLF, C. WOLF #4104 UC #729500 RSA #5538 SD #28089. 1932-09-16.

Symphytotrichum defoliatum

San Bernardino aster

Element Code: PDASTE80C0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B.2
State: None	State: S2	

Habitat Associations

General: MEADOWS AND SEEPS, MARSHES AND SWAMPS, COASTAL SCRUB, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST, GRASSLAND.

Micro: VERNALLY MESIC GRASSLAND OR NEAR DITCHES, STREAMS AND SPRINGS; DISTURBED AREAS. 2-2040M.

Occurrence No. 75	Map Index: 78716	EO Index: 79627	— Dates Last Seen —
Occ Rank: None			Element: 1932-09-16
Origin: Natural/Native occurrence			Site: 1932-09-16
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2010-04-28

Quad Summary: Los Alamitos (3311871/089D)

County Summary: Los Angeles

Lat/Long: 33.77226° / -118.10090°	Township: 05S
UTM: Zone-11 N3737450 E398061	Range: 12W
Mapping Precision: NON-SPECIFIC	Section: 02 Qtr: E
Symbol Type: POINT	Meridian: S
Radius: 1/5 mile	Elevation: 10 ft

Location: BRYANT RANCH; W SIDE OF SAN GABRIEL RIVER FLOOD CONTROL, LONG BEACH.

Location Detail: COLLECTION LABEL SAYS "1645 FT EAST AND 200 FT NORTH OF CENTER 8, SECTION 2". MAPPED BY CNDDB AS BEST GUESS ~1645 FT E AND 200 FT NORTH OF THE CENTER OF SECTION 2.

Ecological:

Threat: SITE PRESUMED EXTIRPATED; MUCH DEVELOPMENT HAS OCCURRED IN AREA SINCE 1932.

General: SITE BASED ON A 1932 WOLF COLLECTION. ANOTHER 1932 COLLECTION FROM "SAN GABRIEL RIVER, LONG BEACH" IS ALSO ATTRIBUTED HERE.

Owner/Manager: UNKNOWN

Sources

- | | |
|------------|--|
| ANO32S0002 | ANONYMOUS. ANONYMOUS SN RSA (AS CITED IN SAN03U0002). 1932-XX-XX. |
| SAN03U0002 | SANDERS, A. EMAIL TO DAVE TIBOR REGARDING SYMPHYOTRICHUM DEFOLIATUM. 2003-02-12. |
| WOL32S0048 | WOLF, C. WOLF #4123 RSA #5872. 1932-09-16. |