

# Biological Resources

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**CNNDB Full Report**

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***Aphanisma blitoides***

aphanisma

Element Code: PDCHE02010

**Status**

**Federal:** None  
**State:** None

**NDDB Element Ranks**

**Global:** G2  
**State:** S1.1

**Other Lists**

**CNPS List:** 1B.2

**Habitat Associations**

**General:** COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

**Micro:** ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. IN STEEP DECLINE ON THE ISLANDS AND THE MAINLAND. 1-305M.

**Occurrence No.** 1

**Map Index:** 37104

**EO Index:** 12882

**Dates Last Seen**

**Occ Rank:** Fair

**Element:** 2001-05-30

**Origin:** Natural/Native occurrence

**Site:** 2001-05-30

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2009-06-12

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.72714° / -118.34703°

**Township:** 05S

**UTM:** Zone-11 N3732717 E375203

**Range:** 14W

**Mapping Precision:** SPECIFIC

**Section:** 21 **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** S

**Area:** 52.3 acres

**Elevation:** 150 ft

**Location:** PALOS VERDES PENINSULA; FROM NEAR PORTUGUESE BEND SOUTHWARD TO NEAR ROYAL PALMS BEACH PARK.

**Location Detail:** SCATTERED COLONIES ALONG BLUFFS. MAPPED AS FIVE POLYGONS AT THE CNDDB.

**Ecological:** STEEP TALUSED SLOPE WITH CISTANTHE MARITIMA, LYCIUM CALIFORNICUM, RHUS INTEGRIFOLIA, CALANDRINIA MARITIMA, DUDLEYA VIRENS, OPUNTIA LITTORALIS, O. POROLIFERA, AND MIRABILIS CALIFORNICA.

**Threat:** GOLF COURSE AND RESIDENTIAL DEVELOPMENT, DIRT RD TO BEACH, EXOTIC PLANTS, AND DEWATERING FOR LANDSLIDE CONTROL THREATEN.

**General:** ABOUT 60 PLANTS SEEN IN 1991, BUT ONLY A PORTION OF OCCURRENCE SURVEYED DUE TO INACCESSIBILITY OF SITE. FOUND IN 1992 BY LSA; 150+ OBSERVED IN 1995. FOUND IN 2001 BY GEORGE, "JUST ABOVE HIGH TIDE LINE." INCLUDES FORMER OCC #2.

**Owner/Manager:** PVT, UNKNOWN

**Sources**

- BRI91F0001 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR APHANISMA BLITOIDES, CALANDRINIA MARITIMA & DUDLEYA VIRENS SSP. INSULARIS. 1991-05-24.
- BRI91U0001 BRINKMANN-BUSI, A. SURVEY WRITE-UP FOR DUDLEYA VIRENS SSP. INSULARIS, APHANISMA BLITOIDES & CALOCHORTUS CATALINAE. 1991-10-29.
- BRI92F0001 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR APHANISMA BLITOIDES. 1992-05-03.
- BRI95F0001 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR APHANISMA BLITOIDES. 1995-05-06.
- BRI95U0001 BRINKMANN-BUSI, A. PHONE CONVERSATION REGARDING APHANISMA BLITOIDES. 1995-05-15.
- GEO01S0002 GEORGE, J. GEORGE #3 UCR #131365. 2001-05-30.
- LSA92R0002 LSA ASSOCIATES, INC. BIOLOGICAL RESOURCE ASSESSMENT FOR THE PALOS VERDES COASTAL SPECIFIC PLAN. 1992-03-17.
- ROS94S0002 ROSS, T. ET AL. ROSS #7435 RSA #579140. 1994-03-28.
- THO95U0001 THOMAS, T. PHONE CONVERSATION REGARDING APHANISMA BLITOIDES & DUDLEYA BLOCHMANIAE SSP. BLOCHMANIAE. 1995-05-17.

***Aphanisma blitoides***

aphanisma

Element Code: PDCHE02010

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G2

CNPS List: 1B.2

State: None

State: S1.1

**Habitat Associations**

**General:** COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

**Micro:** ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. IN STEEP DECLINE ON THE ISLANDS AND THE MAINLAND. 1-305M.

**Occurrence No.** 31

**Map Index:** 41675

**EO Index:** 41675

**Dates Last Seen**

**Occ Rank:** Poor

**Element:** 1992-05-03

**Origin:** Natural/Native occurrence

**Site:** 1992-05-03

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1999-09-23

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.73961° / -118.37461°

**Township:** 05S

**UTM:** Zone-11 N3734133 E372666

**Range:** 14W

**Mapping Precision:** SPECIFIC

**Section:** 17 **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** S

**Area:** 1.3 acres

**Elevation:** 100 ft

**Location:** ABALONE COVE ALONG WEST SIDE OF PORTUGUESE POINT, PALOS VERDES PENINSULA.

**Location Detail:** MAPPED ALONG ROAD DOWN BLUFFS ON WEST SIDE OF PORTUGUESE POINT.

**Ecological:** GROWING BETWEEN SAGE SCRUB REMNANTS AND PLANTED PELARGONIUM HYBRIDS.

**Threat:** NON-NATIVE PLANTS.

**General:** 1 PLANT OBSERVED IN 1992.

**Owner/Manager:** UNKNOWN

**Sources**

BRI92F0001

BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR APHANISMA BLITOIDES. 1992-05-03.

***Atriplex coulteri***

Coulter's saltbush

Element Code: PDCHE040E0

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G2

CNPS List: 1B.2

State: None

State: S2.2

**Habitat Associations**

**General:** COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. 10-440M.

**Occurrence No.** 56

**Map Index:** 23782

**EO Index:** 74608

**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:** 2009-02-18

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.83821° / -118.17658°

**Township:** 04S

**UTM:** Zone-11 N3744839 E391136

**Range:** 12W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1 mile

**Elevation:** 75 ft

**Location:** BIXBY.

**Location Detail:** EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AT BIXBY KNOLLS.

**Ecological:**

**Threat:** THIS AREA IS NOW FULLY DEVELOPED. OCCURRENCE IS PRESUMED EXTIRPATED.

**General:** ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN UNDATED COLLECTION BY BRANDEGEE.

**Owner/Manager:** UNKNOWN

**Sources**

BRANDS0042 BRANDEGEE, K. BRANDEGEE SN UC #205289. XXXX-XX-XX.

***Atriplex pacifica***

South Coast saltscale

Element Code: PDCHE041C0

\_\_\_\_\_ **Status** \_\_\_\_\_

\_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_

\_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G3G4

**CNPS List:** 1B.2

**State:** None

**State:** S2.2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, CHENOPOD SCRUB.

**Micro:** ALKALI SOILS. 1-500M.

**Occurrence No.** 3

**Map Index:** 34590

**EO Index:** 12350

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Fair

**Element:** 1992-05-29

**Origin:** Natural/Native occurrence

**Site:** 1992-05-29

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1996-03-20

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.72457° / -118.33666°

**Township:** 01S

**UTM:** Zone-11 N3732419 E376160

**Range:** 14W

**Mapping Precision:** SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** S

**Area:** 5.0 acres

**Elevation:** 200 ft

**Location:** PALOS VERDES PENINSULA, WEST SLOPE OF SHORELINE PARK ALONG BEACH ACCESS TRAIL.

**Location Detail:**

**Ecological:** IN COASTAL SAGE SCRUB WITH NUMEROUS NON-NATIVE GRASSES.

**Threat:** INCREASED RECREATIONAL USE THREATENS DUE TO NEARBY GOLF COURSE AND HOUSING DEVELOPMENT.

**General:** 24 INDIVIDUALS SEEN BY BRINKMANN-BUSI IN 1992. SHE ALSO OBSERVED THIS POPULATION IN 1991 AND THINKS FEWER PLANTS REMAIN BUT NO DETAILS WERE RECORDED DURING 1991.

**Owner/Manager:** PVT

\_\_\_\_\_ **Sources** \_\_\_\_\_

BRI92F0002

BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR ATRIPLEX PACIFICA. 1992-05-29.



***Atriplex pacifica***

South Coast saltscale

Element Code: PDCHE041C0

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G3G4

CNPS List: 1B.2

State: None

State: S2.2

**Habitat Associations**

General: COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, CHENOPOD SCRUB.

Micro: ALKALI SOILS. 1-500M.

Occurrence No. 4

Map Index: 34592

EO Index: 252

Dates Last Seen

Occ Rank: Unknown

Element: 1903-10-14

Origin: Natural/Native occurrence

Site: 1903-10-14

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-03-20

Quad Summary: Torrance (3311873/090D), San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.73644° / -118.28092°

Township: 05S

UTM: Zone-11 N3733670 E381341

Range: 14W

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1 mile

Elevation: 60 ft

Location: SAN PEDRO.

Location Detail: MAPPED BY CNDDDB AT POST OFFICE.

Ecological:

Threat: DEVELOPMENT.

General: ORIGINAL LABEL: ATRIPLEX MICROCARPA.

Owner/Manager: UNKNOWN

**Sources**

BRA03S0002 BRANDEGEE, K. BRANDEGEE SN UC #110281. 1903-10-14.

BRA93S0009 BRANDEGEE, K. BRANDEGEE SN UC. 1893-XX-XX.

***Atriplex pacifica***

South Coast saltscale

Element Code: PDCHE041C0

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G3G4

CNPS List: 1B.2

State: None

State: S2.2

**Habitat Associations**

**General:** COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, CHENOPOD SCRUB.

**Micro:** ALKALI SOILS. 1-500M.

**Occurrence No.** 7

**Map Index:** 34591

**EO Index:** 12351

**Dates Last Seen**

**Occ Rank:** Unknown

**Element:** 1931-08-23

**Origin:** Natural/Native occurrence

**Site:** 1931-08-23

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1996-03-20

**Quad Summary:** Torrance (3311873/090D), San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.74588° / -118.33602°

**Township:** 01S

**UTM:** Zone-11 N3734781 E376250

**Range:** 14W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1 mile

**Elevation:** 1,400 ft

**Location:** SAN PEDRO HILLS.

**Location Detail:** MAPPED AT CNDDDB AT SAN PEDRO HILL AND SURROUNDINGS; UNSURE OF EXACT LOCATION.

**Ecological:** OPEN HILLSIDE.

**Threat:**

**General:** ONLY INFO IS ABOVE DESCRIPTION. 1903 COLLECTION BY ABRAMS "SAN PEDRO HILLS NEAR ROCKY POINT" ATTRIBUTED TO THIS SITE.

**Owner/Manager:** UNKNOWN

**Sources**

ABR03S0027 ABRAMS, L. ABRAMS #3137 UC #150082. 1903-03-14.

FOS31S0002 FOSBERG, F. FOSBERG #7290 RSA #478341. 1931-08-23.

ROBNDU0001 ROBERTS, F. HERBARIUM SEARCHES. 199X-XX-XX.

***Atriplex parishii***

Parish's brittle scale

Element Code: PDCHE041D0

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> None	<b>Global:</b> G1G2	<b>CNPS List:</b> 1B.1
<b>State:</b> None	<b>State:</b> S1.1	

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** ALKALI MEADOWS, VERNAL POOLS, CHENOPOD SCRUB, PLAYAS.

**Micro:** USUALLY ON DRYING ALKALI FLATS WITH FINE SOILS. 4-140M.

<b>Occurrence No.</b> 5	<b>Map Index:</b> 23782	<b>EO Index:</b> 7795	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> None			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> XXXX-XX-XX
<b>Presence:</b> Extirpated			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2009-08-28

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.83821° / -118.17658°	<b>Township:</b> 04S
<b>UTM:</b> Zone-11 N3744839 E391136	<b>Range:</b> 12W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1 mile	<b>Elevation:</b> 75 ft

**Location:** BIXBY.

**Location Detail:** EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ACCORDING TO INFO GIVEN BY BRAMLET: NEAR BIXBY KNOLLS, N OF LONG BEACH.

**Ecological:**

**Threat:** THIS AREA IS NOW FULLY DEVELOPED. OCCURRENCE IS PRESUMED EXTIRPATED.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN UNDATED BRANDEGEE COLLECTION. BRAMLET BELIEVES THAT THE LONG BEACH AREA PROVIDED SUITABLE HABITAT FOR A. PARISHII IN THE PAST BUT THIS AREA IS NOW FULLY DEVELOPED.

**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

BRA93U0004	BRAMLET, D. PHONE CONVERSATION WITH CNPS REGARDING ATRIPLEX PARISHII. 1993-07-08.
BRANDS0004	BRANDEGEE, K. BRANDEGEE SN UC #205288. XXXX-XX-XX.
REI01B0001	REISER, C. RARE PLANTS OF SAN DIEGO COUNTY. 2001-07-XX.

***Atriplex serenana var. davidsonii***

Davidson's saltscale

Element Code: PDCHE041T1

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> None	<b>Global:</b> G5T2?	<b>CNPS List:</b> 1B.2
<b>State:</b> None	<b>State:</b> S2?	

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL BLUFF SCRUB, COASTAL SCRUB.  
**Micro:** ALKALINE SOIL. 3-250M.

<b>Occurrence No.</b> 3	<b>Map Index:</b> 34592	<b>EO Index:</b> 253	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1906-06-02
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1906-06-02
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1996-02-23

**Quad Summary:** Torrance (3311873/090D), San Pedro (3311863/073A)  
**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.73644° / -118.28092°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3733670 E381341	<b>Range:</b> 14W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1 mile	<b>Elevation:</b> 60 ft

**Location:** SAN PEDRO.  
**Location Detail:** COLLECTION BY PARISH FROM LONG BEACH IS INCLUDED AT THIS SITE.  
**Ecological:**  
**Threat:** DEVELOPMENT.  
**General:** VICINITY REPRESENTED BY TWO COLLECTIONS: EASTWOOD #165 IN 1906 AND PARISH SN (DS) IN 1891.  
**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

EAS06S0005 EASTWOOD. EASTWOOD #165 CAS #85296. 1906-06-02.  
 PAR91S0002 PARISH. PARISH SN DS #92023. 1891-XX-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:** S2.1

\_\_\_\_\_ **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.** 25

**Map Index:** 35371

**EO Index:** 29314

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1932-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1932-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1997-03-17

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.78593° / -118.18194°

**Township:** 04S

**UTM:** Zone-11 N3739048 E390574

**Range:** 12W

**Mapping Precision:** NON-SPECIFIC

**Section:** 31 **Qtr:** NW

**Symbol Type:** POLYGON

**Meridian:** S

**Area:**

**Elevation:** 15 ft

**Location:** BRYANT RANCH NEAR LONG BEACH, NORTH OF 7TH STREET AND EAST OF ATLANTIC AVE.

**Location Detail:** COLLECTED IN T04S R12W NW 1/4 SECTION 31.

**Ecological:**

**Threat:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1932 COLLECTION BY SNOW.

**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

SNO32S0001 SNOW, J. SNOW SN RSA #4799. 1932-XX-XX.

***Cicindela hirticollis gravida***

sandy beach tiger beetle

Element Code: IICOL02101

_____ <b>Status</b> _____	_____ <b>NDDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> None	<b>Global:</b> G5T2	<b>CDFG Status:</b>
<b>State:</b> None	<b>State:</b> 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.

<b>Occurrence No.</b> 13	<b>Map Index:</b> 02010	<b>EO Index:</b> 12878	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> None			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-XX-XX
<b>Presence:</b> Extirpated			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1993-01-27

**Quad Summary:** San Pedro (3311863/073A), Torrance (3311873/090D), Long Beach (3311872/089C)

**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.74851° / -118.25243°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3734976 E383997	<b>Range:</b> 13W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1 mile	<b>Elevation:</b> 16 ft

**Location:** TERMINAL ISLAND.

**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** \_\_\_\_\_

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.

***Cicindela hirticollis gravida***

sandy beach tiger beetle

Element Code: IICOL02101

_____ <b>Status</b> _____	_____ <b>NDDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> None	<b>Global:</b> G5T2	<b>CDFG Status:</b>
<b>State:</b> None	<b>State:</b> 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.

<b>Occurrence No.</b> 15	<b>Map Index:</b> 02201	<b>EO Index:</b> 22672	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> None			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1979-XX-XX
<b>Presence:</b> Extirpated			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-10-20

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

**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.75578° / -118.12246°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3735643 E396045	<b>Range:</b> 12W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> 10 <b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	<b>Meridian:</b> S
<b>Area:</b>	<b>Elevation:</b> 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** \_\_\_\_\_

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.
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***Cicindela hirticollis gravida***

sandy beach tiger beetle

Element Code: IICOL02101

**Status**

Federal: None  
State: None

**NDDB Element Ranks**

Global: G5T2  
State: S1

**Other Lists**

CDFG Status:

**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:** Los Alamitos (3311871/089D), Long Beach (3311872/089C), Seal Beach (3311861/072A)

**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. BARRY. 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. BARRY. BIOLOGY AND CONSERVATION OF THE SACRAMENTO VALLEY TIGER BEETLE, CICINDELA HIRTICOLLIS ABRUPTA. REPORT TO USFWS SACRAMENTO FIELD OFFICE. 2004-11-10.



***Cicindela latesignata latesignata***

western beach tiger beetle

Element Code: IICOL02113

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None  
 State: None

Global: G4T1T2  
 State: S1

CDFG Status:

**Habitat Associations**

General: MUDFLATS AND BEACHES IN COASTAL SOUTHERN CALIFORNIA.

Micro:

Occurrence No. 3

Map Index: 57921

EO Index: 60970

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: 2008-07-29

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.71045° / -118.30057°

Township: 05S

UTM: Zone-11 N3730811 E379485

Range: 14W

Mapping Precision: SPECIFIC

Section: 25 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 217.3 acres

Elevation: 50 ft

Location: SAN PEDRO.

Location Detail: MAPPED ALONG BEACH AS THIS BEETLE PREFERS SANDY AREAS.

Ecological:

Threat:

General: HISTORICAL LOCALITY.

Owner/Manager: UNKNOWN

**Sources**

NAG82A0001

NAGANO, CHRISTOPHER D. POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(1982). 8(2):33-42. 1982-XX-XX.

***Cicindela latesignata latesignata***

western beach tiger beetle

Element Code: IICOL02113

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> None	<b>Global:</b> G4T1T2	<b>CDFG Status:</b>
<b>State:</b> None	<b>State:</b> S1	

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MUDFLATS AND BEACHES IN COASTAL SOUTHERN CALIFORNIA.  
**Micro:**

<b>Occurrence No.</b> 5	<b>Map Index:</b> 60935	<b>EO Index:</b> 60971	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> None			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> XXXX-XX-XX
<b>Presence:</b> Extirpated			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-04-12

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

<b>Lat/Long:</b> 33.76188° / -118.16108°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3736360 E392475	<b>Range:</b> 12W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> 08 <b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	<b>Meridian:</b> S
<b>Area:</b>	<b>Elevation:</b> 20 ft

**Location:** LONG BEACH.  
**Location Detail:** MAPPED ALONG BEACH AS THIS BEETLE PREFERS SANDY AREAS.  
**Ecological:**  
**Threat:**  
**General:** HISTORICAL LOCALITY.  
**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

NAG82A0001    NAGANO, CHRISTOPHER D. POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(1982). 8(2):33-42. 1982-XX-XX.

***Cordylanthus maritimus ssp. maritimus***

salt marsh bird's-beak

Element Code: PDSCROJ0C2

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered  
**State:** Endangered

**Global:** G4?T2  
**State:** S2.1

**CNPS List:** 1B.2

**Habitat Associations**

**General:** COASTAL SALT MARSH, COASTAL DUNES.

**Micro:** LIMITED TO THE HIGHER ZONES OF THE SALT MARSH HABITAT. 0-30M.

**Occurrence No.** 12

**Map Index:** 35371

**EO Index:** 34952

**Dates Last Seen**

**Occ Rank:** None

**Element:** 1932-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1932-XX-XX

**Presence:** Extirpated

**Trend:** Unknown

**Record Last Updated:** 2009-08-18

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.78593° / -118.18194°

**Township:** 04S

**UTM:** Zone-11 N3739048 E390574

**Range:** 12W

**Mapping Precision:** NON-SPECIFIC

**Section:** 31 **Qtr:** NW

**Symbol Type:** POLYGON

**Meridian:** S

**Area:**

**Elevation:** 15 ft

**Location:** LONG BEACH.

**Location Detail:** MAPPED BY CNDDDB ACCORDING TO THE TRS INFORMATION ON SNOW HERBARIUM LABEL AROUND THE NW1/4 OF SECTION 31.

**Ecological:** SALT MARSH.

**Threat:** ENTIRE AREA IS DEVELOPED; OCCURRENCE ALMOST CERTAINLY EXTIRPATED.

**General:** SITE BASED ON A 1932 SNOW COLLECTION. AN 1896 MCCLATCHE AND AN 1893 DAVY COLLECTION FROM "LONG BEACH" ALSO ATTRIBUTED TO THIS SITE.

**Owner/Manager:** UNKNOWN

**Sources**

DAV93S0001 DAVIDSON, A. DAVIDSON SN RSA #412316. 1893-05-28.

MCL96S0001 MCLATCHE. MCLATCHE SN NY. 1896-07-XX.

SNO32S0002 SNOW. SNOW SN RSA #4789. 1932-XX-XX.

***Cordylanthus maritimus ssp. maritimus***

salt marsh bird's-beak

Element Code: PDSCROJ0C2

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered  
**State:** Endangered

**Global:** G4?T2  
**State:** S2.1

**CNPS List:** 1B.2

**Habitat Associations**

**General:** COASTAL SALT MARSH, COASTAL DUNES.

**Micro:** LIMITED TO THE HIGHER ZONES OF THE SALT MARSH HABITAT. 0-30M.

**Occurrence No.** 13

**Map Index:** 26479

**EO Index:** 6167

**Dates Last Seen**

**Occ Rank:** None

**Element:** 1901-05-25

**Origin:** Natural/Native occurrence

**Site:** 1980-XX-XX

**Presence:** Possibly Extirpated

**Trend:** Unknown

**Record Last Updated:** 1995-05-18

**Quad Summary:** San Pedro (3311863/073A), Long Beach (3311872/089C), Torrance (3311873/090D)

**County Summary:** Los Angeles

**Lat/Long:** 33.75713° / -118.23704°

**Township:** 05S

**UTM:** Zone-11 N3735914 E385434

**Range:** 13W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1 mile

**Elevation:** 5 ft

**Location:** TERMINAL ISLAND, SAN PEDRO HARBOR.

**Location Detail:**

**Ecological:** SALINE MEADOWS.

**Threat:**

**General:** SITE KNOWN FROM 1901 COLLECTION BY GRANT. NO PLANTS SEEN IN 1980; SPECIES IS PRESUMED EXTIRPATED AT THIS SITE (FOX AND KNUDSEN, 1982).

**Owner/Manager:** UNKNOWN

**Sources**

- FOX82R0001 FOX, L. & M. KNUDSEN. RECOVERY PLAN. 1982-XX-XX.
- GRA01S0001 GRANT, G. GRANT #3124 RSA #412317. 1901-05-25.
- GRA01S0002 GRANT, G. GRANT #22 UC #72050. 1901-08-XX.
- PAR01S0004 PARISH. PARISH SN DS. 1901-05-25.

***Crossosoma californicum***

Catalina crossosoma

Element Code: PDCRO02020

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G3

CNPS List: 1B.2

State: None

State: S3.2

**Habitat Associations**

General: CHAPARRAL, COASTAL SCRUB.

Micro: ON ROCKY SEA BLUFFS, WOODED CANYONS, AND DRY, OPEN SUNNY SPOTS ON ROCKY CLAY. 0-500M.

Occurrence No. 19

Map Index: 58899

EO Index: 58935

Dates Last Seen

Occ Rank: Fair

Element: 1996-03-01

Origin: Natural/Native occurrence

Site: 1996-03-01

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2004-12-21

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.74457° / -118.35309°

Township: 05S

UTM: Zone-11 N3734658 E374667

Range: 14W

Mapping Precision: SPECIFIC

Section: 16 Qtr: NE

Symbol Type: POINT

Meridian: S

Radius: 80 meters

Elevation: 580 ft

Location: RANCHO PALOS VERDES. NEAR UPPER END OF KLONDIKE CANYON.

**Location Detail:**

Ecological: RIPARIAN HABITAT. ASSOC SPECIES: RHUS INTEGRIFOLIA, DUDLEYA LANCEOLATA, GALIUM ANGUSTIFOLIUM.

Threat: PROPOSED GOLF COURSE DEVELOPMENT NEARBY.

General: 2 PLANTS SEEN IN 1996. SURROUNDING LAND USE: RESIDENTIAL.

Owner/Manager: PVT-RANCHO PALOS VERDES

**Sources**

WOL96F0004

WOLF, A. FIELD SURVEY FORM FOR CROSSOSOMA CALIFORNICUM. 1996-03-01.

***Crossosoma californicum***

Catalina crossosoma

Element Code: PDCRO02020

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G3

CNPS List: 1B.2

State: None

State: S3.2

**Habitat Associations**

General: CHAPARRAL, COASTAL SCRUB.

Micro: ON ROCKY SEA BLUFFS, WOODED CANYONS, AND DRY, OPEN SUNNY SPOTS ON ROCKY CLAY. 0-500M.

Occurrence No. 20

Map Index: 58910

EO Index: 58946

Dates Last Seen

Occ Rank: Good

Element: 1991-03-12

Origin: Natural/Native occurrence

Site: 1991-03-12

Presence: Presumed Extant

Trend: Stable

Record Last Updated: 2004-12-21

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.73961° / -118.34555°

Township: 05S

UTM: Zone-11 N3734098 E375358

Range: 14W

Mapping Precision: SPECIFIC

Section: 16 Qtr: SE

Symbol Type: POINT

Meridian: S

Radius: 80 meters

Elevation: 600 ft

Location: RANCHO PALOS VERDES. 0.6 AIR MILES WEST OF MIRA CATALINA SCHOOL. EDGE OF FORRESTAL QUARRY BOWL.

**Location Detail:**

Ecological: COASTAL SAGE SCRUB ON NORTH-FACING SLOPE. ASSOC SPECIES INCLUDE: RHUS INTEGRIFOLIA, SALVIA MELLIFERA, ARTEMESIA CALIFORNICA, ERIOGONUM CINEREUM.

Threat: RESIDENTIAL DEVELOPMENT NEARBY. RECREATIONAL USE.

General: 4 PLANTS SEEN IN 1991. CURRENT LAND USE: OPEN SPACE NEAR RESIDENTIAL AREA USED BY HIKERS AND BICYCLISTS.

Owner/Manager: PVT

**Sources**

BRI91F0007 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR CROSSOSOMA CALIFORNICUM. 1991-03-12.  
 HEN77S0003 HENRICKSON, J. HENRICKSON #16341 RSA, CSLA (CITED IN HEN79A0001). 1977-12-05.  
 HEN79A0001 HENDRICKSON, J. "NOTEWORTHY COLLECTIONS - CROSSOSOMA CALIFORNICUM" - MADRONO 26: 100. 1979-XX-XX.  
 HEN79S0001 HENRICKSON, J. HENRICKSON #17810 CSLA. 1979-01-10.  
 RAN91R0001 CITY OF RANCHO PALOS VERDES. DRAFT SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT FOR TENTATIVE TRACT #37885. 1991-07-24.

***Danaus plexippus***

monarch butterfly

Element Code: ILEPP2010

\_\_\_\_\_ **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.** 218 **Map Index:** 17190 **EO Index:** 12042 **— Dates Last Seen —**  
**Occ Rank:** Fair **Element:** 1998-11-08  
**Origin:** Natural/Native occurrence **Site:** 1998-11-08  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2002-05-06

**Quad Summary:** Long Beach (3311872/089C)  
**County Summary:** Los Angeles

**Lat/Long:** 33.83102° / -118.13229° **Township:** 04S  
**UTM:** Zone-11 N3743996 E395225 **Range:** 12W  
**Mapping Precision:** SPECIFIC **Section:** XX **Qtr:** XX  
**Symbol Type:** POINT **Meridian:** S  
**Radius:** 80 meters **Elevation:** 38 ft

**Location:** HEARTWELL PARK, JUST SE OF THE INTERSECTION OF CARSON STREET AND CLARK AVENUE, LONG BEACH  
**Location Detail:** LOCATED JUST SOUTH OF THE RESTROOMS IN HEARTWELL PARK.  
**Ecological:** ROOST TREES CONSIST OF A CIRCULAR GROVE OF INTRODUCED (MONTEREY?) PINES, MANICURED IN "LOLLIPOP" FASHION.  
**Threat:** POSSIBLE THREATS INCLUDE PRUNING OF TREES.  
**General:** PREVIOUSLY THOUGHT TO BE A TEMPORARY SITE; IN 1989, MONARCHS PERSISTED ALL SEASON, MAKING THIS A SMALL PERMANENT SITE. 200+ OBSERVED ON 23 DEC 1989. NONE IN FALL 1992-93. NONE IN NOV 1995. 25 ON 30 NOV 1997. 100 OBS IN NOV 98.  
**Owner/Manager:** CITY OF LONG BEACH

- \_\_\_\_\_ **Sources** \_\_\_\_\_
- SAK00F0001 SAKAI, WALTER H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED UP TO AND INCLUDING WINTER 1999-2000. 2000-XX-XX.
  - SAK89F0002 SAKAI, W.H. FIELD SURVEY FORM FOR DANAUS PLEXIPPUS. 1989-12-23.
  - SAK93F0001 SAKAI, WALTER H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1992-93. 1993-XX-XX.
  - SAK96F0001 SAKAI, WALTER H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1995-96. 1996-XX-XX.
  - SAK98F0001 SAKAI, WALTER H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1997-98. 1998-XX-XX.

***Danaus plexippus***

monarch butterfly

Element Code: ILEPP2010

\_\_\_\_\_ **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.** 338 **Map Index:** 47887 **EO Index:** 47887 **— Dates Last Seen —**  
**Occ Rank:** None **Element:** 1985-01-23  
**Origin:** Natural/Native occurrence **Site:** 1985-01-23  
**Presence:** Possibly Extirpated  
**Trend:** Unknown **Record Last Updated:** 2002-05-10

**Quad Summary:** San Pedro (3311863/073A)  
**County Summary:** Los Angeles

**Lat/Long:** 33.70661° / -118.29434° **Township:** 05S  
**UTM:** Zone-11 N3730378 E380057 **Range:** 14W  
**Mapping Precision:** NON-SPECIFIC **Section:** 25 **Qtr:** XX  
**Symbol Type:** POLYGON **Meridian:** S  
**Area:** **Elevation:** 100 ft

**Location:** SOUTH TIP OF PALOS VERDES PENINSULA; POINT FERMIN TO APPROXIMATELY 0.35 MILES NW ALONG POINT FERMIN BEACH.  
**Location Detail:** ROOST TREES WERE LOCATED NEAR CHILDREN'S PLAY AREA.  
**Ecological:** HABITAT CONSISTED MAINLY OF EUCALYPTUS TREES.  
**Threat:** REMOVAL OF TREES  
**General:** 100-200 OBSERVED FROM MID-1970'S TO EARLY 1980'S. 28 DEC 1984: FEW 1000 OBSERVED USING EUCALYPTUS TREES WITHIN CITY PARK. CLUSTERS OBSERVED ON 23 JAN 1985. SITE REPORTED AS LOST WHEN TREES WERE REMOVED.  
**Owner/Manager:** DOT-COAST GUARD, UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_  
SAK00F0001 SAKAI, WALTER H. (SANTA MONICA COLLEGE). STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED UP TO AND INCLUDING WINTER 1999-2000. 2000-XX-XX.



***Dudleya virens ssp. insularis***

island green dudleya

Element Code: PDCRA040S2

**Status**

Federal: None  
 State: None

**NDDB Element Ranks**

Global: G2T2  
 State: S2.2

**Other Lists**

CNPS List: 1B.2

**Habitat Associations**

General: COASTAL BLUFF SCRUB, COASTAL SCRUB.

Micro: ROCKY SOILS. 5-300M.

Occurrence No. 3

Map Index: 17598

EO Index: 47066

Dates Last Seen

Occ Rank: Good

Element: 1992-03-08

Origin: Natural/Native occurrence

Site: 1992-03-08

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-01-23

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.72864° / -118.35214°

Township: 05S

UTM: Zone-11 N3732889 E374732

Range: 14W

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area:

Elevation: 70 ft

Location: PALOS VERDES PENINSULA; FROM NEAR PORTUGUESE BEND SOUTHWARD TO NEAR ROYAL PALMS BEACH PARK.

**Location Detail:**

**Ecological:** ROCKY OUTCROPS ON BLUFFS FACING THE OCEAN. WITH APHANISMA BLITOIDES, CALANDRINIA MARITIMA, RHUS INTEGRIFOLIA, ENCELIA CALIFORNICA, OPUNTIA LITTORALIS, ISOCOMA/ERICAMERIA SP., MALACOTHRIX SAXITILIS, ERIOGONUM CINEREUM, AND LYCIUM CALIF.

**Threat:** CITY OF PALOS VERDES HAS RECENTLY APPROVED A HOTEL WITH GOLF COURSE AT THIS SITE. MAY ALSO BECOME HOUSING W/GOLF COURSE.

**General:** BRINKMANN-BUSI REPORTED THAT THESE SITES ON THE SAN PEDRO QUAD ARE THE BEST QUALITY SITES KNOWN TO HER.

Owner/Manager: PVT, UNKNOWN

**Sources**

BRI90F0001 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR DUDLEYA VIRENS SSP. INSULARIS. 1990-XX-XX.

BRI91F0001 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR APHANISMA BLITOIDES, CALANDRINIA MARITIMA & DUDLEYA VIRENS SSP. INSULARIS. 1991-05-24.

BRI91U0001 BRINKMANN-BUSI, A. SURVEY WRITE-UP FOR DUDLEYA VIRENS SSP. INSULARIS, APHANISMA BLITOIDES & CALOCHORTUS CATALINAE. 1991-10-29.

DIC83S0004 DICE, J. ET AL. DICE ET AL. #350 UC #1593824 (CITED IN MOR95A0001). 1983-06-07.

LSA92R0002 LSA ASSOCIATES, INC. BIOLOGICAL RESOURCE ASSESSMENT FOR THE PALOS VERDES COASTAL SPECIFIC PLAN. 1992-03-17.

***Dudleya virens ssp. insularis***

island green dudleya

Element Code: PDCRA040S2

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G2T2

CNPS List: 1B.2

State: None

State: S2.2

**Habitat Associations**

General: COASTAL BLUFF SCRUB, COASTAL SCRUB.

Micro: ROCKY SOILS. 5-300M.

Occurrence No. 19

Map Index: 01943

EO Index: 47104

— Dates Last Seen —

Occ Rank: Unknown

Element: 1934-06-07

Origin: Natural/Native occurrence

Site: 1934-06-07

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-01-28

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.70639° / -118.29341°

Township: 05S

UTM: Zone-11 N3730352 E380142

Range: 14W

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation: 100 ft

Location: POINT FERMIN.

Location Detail:

Ecological:

Threat:

General: NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

**Sources**

- MOR43A0001 MORAN, R. A REVISION OF DUDLEYA SUBGENUS STYLOPHYLLUM IV IN DESERT PLANT LIFE. 1943-02-XX.  
 MOR95A0001 MORAN, R. "THE SUBSPECIES OF DUDLEYA VIRENS (CRASSULACEAE)." HASELTONIA 3:1. 1995-XX-XX.  
 WES34S0001 WEST, J. WEST SN CAS, UC #525838 (CITED IN MOR43A0001, MOR95A0001). 1934-06-07.

***Dudleya virens ssp. insularis***

island green dudleya

Element Code: PDCRA040S2

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G2T2

CNPS List: 1B.2

State: None

State: S2.2

**Habitat Associations**

General: COASTAL BLUFF SCRUB, COASTAL SCRUB.

Micro: ROCKY SOILS. 5-300M.

Occurrence No. 20

Map Index: 47105

EO Index: 47105

— Dates Last Seen —

Occ Rank: Unknown

Element: 1946-06-12

Origin: Natural/Native occurrence

Site: 1946-06-12

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-01-28

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.71606° / -118.31613°

Township: 05S

UTM: Zone-11 N3731451 E378051

Range: 14W

Mapping Precision: NON-SPECIFIC

Section: 26 Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation:

Location: WHITES POINT, WEST OF POINT FERMIN.

Location Detail: MAPPED AS BEST GUESS TO INCLUDE BLUFFS AROUND WHITES POINT BY CNDDB.

Ecological:

Threat:

General: NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

**Sources**

MOR95A0001

MORAN, R. "THE SUBSPECIES OF DUDLEYA VIRENS (CRASSULACEAE)." HASELTONIA 3:1. 1995-XX-XX.

WHI46S0001

WHITEHEAD, J. WHITEHEAD #121 UC #933198 (CITED IN MOR95A0001). 1946-06-12.

***Glaucoopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: ILEPG402A

**Status**

**Federal:** Endangered  
**State:** None

**NDDB Element Ranks**

**Global:** G5T1  
**State:** S1

**Other Lists**

**CDFG Status:**

**Habitat Associations**

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

**Occurrence No.** 4

**Map Index:** 01861

**EO Index:** 23024

**Dates Last Seen**

**Occ Rank:** None

**Origin:** Natural/Native occurrence

**Presence:** Possibly Extirpated

**Trend:** Unknown

**Element:** 1983-XX-XX

**Site:** 1988-XX-XX

**Record Last Updated:** 2004-12-22

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.72993° / -118.33055°

**UTM:** Zone-11 N3733006 E376734

**Mapping Precision:** NON-SPECIFIC

**Symbol Type:** POLYGON

**Area:**

**Township:** 05S

**Range:** 14W

**Section:** 22 **Qtr:** XX

**Meridian:** S

**Elevation:** 640 ft

**Location:** SWITCHBACK AREA PALOS VERDES DR E; VISTA DEL MAR RD NEAR JCT W/PALOS VERDES DR E; FRIENDSHIP PARK, RANCHO PALOS VERDES

**Location Detail:** 3 LOCATIONS AS ABOVE, 1 IS THE LARGEST CONTIGUOUS HABITAT, AS WELL AS DESIGNATED CRITICAL HABITAT, FOR THE BUTTERFLY.

**Ecological:** 39 ASTRAGALUS PLANTS OBSERVED HERE IN 1986, WHICH REPRESENTS 50% OF THE PALOS VERDES PENINSULA ASTRAGALUS POPULATION.

**Threat:** CONTINUING RESIDENTIAL DEVELOPMENT. PARK IS MOWED AND DISKED YEARLY DURING PVBB LARVAL OR PUPAL STAGES.

**General:** SITE NEEDS EXTENSIVE REHABILITATION AND A FIRE MANAGEMENT PLAN TO MINIMIZE DAMAGE FROM DISKING. GOOD AREA FOR REINTRODUCTION IF SITE IS PROPERLY MANAGED. THE VISTA DEL MAR SITE CONSIDERED EXTIRPATED.

**Owner/Manager:** PVT, CITY OF R.P.V, LAX COUNTY

**Sources**

- ARN80R0001 ARNOLD, RICHARD. DRAFT: MS ON TWO LEPIDOPTERANS FROM SAN FRANCISCO PENINSULA. COPIES OF TABLES AND FIGURES, PROVIDED BY L. ENG, CDFG. 1980-XX-XX.
- ARN80R0002 ARNOLD, RICHARD A. STATUS OF PROPOSED THREATENED OR ENDANGERED CALIFORNIA LEPIDOPTERA (DRAFT). 1980-XX-XX.
- ARN81R0001 ARNOLD, RICHARD A. DISTRIBUTION, LIFE HISTORY, AND STATUS OF THREE CALIFORNIA LEPIDOPTERA PROPOSED AS ENDANGERED OR THREATENED SPECIES. 1981-03-XX.
- ARN82U0001 ARNOLD, RICHARD A. LETTER AND MAPS SENT TO USFWS SESO WITH 1982 FIELD RESEARCH DATA. 1982-07-16.
- ARN85R0001 ARNOLD, RICHARD A. PALOS VERDES BLUE BUTTERFLY MANAGEMENT PLAN, FINAL AND DRAFT. 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.
- ARN86F0013 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY FOR VISTA DEL MAR NEAR INTERSECTION WITH PALOS VERDES DRIVE EAST. 1986-05-XX.
- ARN86F0014 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT FRIENDSHIP PARK LOCATION. 1986-05-XX.
- ARN90A0001 ARNOLD, RICHARD A. ECOLOGY AND CONSERVATION OF TWO ENDANGERED SOUTHERN CALIFORNIA

***Glaucopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: ILEPG402A

\_\_\_\_\_ **Status** \_\_\_\_\_

\_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_

\_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Endangered

**Global:** G5T1

**CDFG Status:**

**State:** None

**State:** S1

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

\_\_\_\_\_ **Sources** \_\_\_\_\_

BUTTERFLIES (PUBLISHED IN: MEMOIRS OF THE NATURAL HISTORY FOUNDATION OF ORANGE COUNTY - VOL. 3, PAGES 36-47). 1990-07-01.

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.

***Glaucopteryx lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: ILEPG402A

**Status**

**Federal:** Endangered  
**State:** None

**NDDB Element Ranks**

**Global:** G5T1  
**State:** S1

**Other Lists**

**CDFG Status:**

**Habitat Associations**

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

**Occurrence No.** 7

**Map Index:** 01760

**EO Index:** 23021

**Dates Last Seen**

**Occ Rank:** None

**Element:** XXXX-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1988-XX-XX

**Presence:** Extirpated

**Trend:** Unknown

**Record Last Updated:** 2000-01-05

**Quad Summary:** Torrance (3311873/090D), San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.75084° / -118.37257°

**Township:** 05S

**UTM:** Zone-11 N3735376 E372872

**Range:** 14W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1/5 mile

**Elevation:** 800 ft

**Location:** ALTAMIRA CANYON, NEAR NARCISSA DR, ALONG FOOT TRAIL; RANCHO PALOS VERDES.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** ASTRAGALUS FOUND HERE IN 1982; NO PVBB OBSERVED. CURRENTLY, THIS SITE REMAINS OPEN SPACE/COASTAL SAGE SCRUB HABITAT, BUT MAY BE DEVELOPED IN THE FUTURE. NO ASTRAGALUS FOUND IN 1986. GOOD AREA FOR RE-ESTABLISHMENT OF ASTRAGALUS.

**Owner/Manager:** PVT-FILIORUM CORP

**Sources**

- ARN85R0001 ARNOLD, RICHARD A. PALOS VERDES BLUE BUTTERFLY MANAGEMENT PLAN, FINAL AND DRAFT. 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.
- ARN86F0007 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT ALTAMIRA CANYON LOCATION. 1986-05-XX.
- ARN90A0001 ARNOLD, RICHARD A. ECOLOGY AND CONSERVATION OF TWO ENDANGERED SOUTHERN CALIFORNIA BUTTERFLIES (PUBLISHED IN: MEMOIRS OF THE NATURAL HISTORY FOUNDATION OF ORANGE COUNTY - VOL. 3, PAGES 36-47). 1990-07-01.

***Glaucopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: IILEPG402A

**Status**

**Federal:** Endangered  
**State:** None

**NDDB Element Ranks**

**Global:** G5T1  
**State:** S1

**Other Lists**

**CDFG Status:**

**Habitat Associations**

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.  
**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

**Occurrence No.** 9      **Map Index:** 01822      **EO Index:** 23019      **Dates Last Seen**  
**Occ Rank:** None      **Element:** 1982-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1988-XX-XX  
**Presence:** Possibly Extirpated  
**Trend:** Unknown      **Record Last Updated:** 2000-01-05

**Quad Summary:** San Pedro (3311863/073A)  
**County Summary:** Los Angeles

**Lat/Long:** 33.73973° / -118.34757°      **Township:** 05S  
**UTM:** Zone-11 N3734114 E375171      **Range:** 14W  
**Mapping Precision:** NON-SPECIFIC      **Section:** XX      **Qtr:** XX  
**Symbol Type:** POINT      **Meridian:** S  
**Radius:** 1/5 mile      **Elevation:** 600 ft

**Location:** CANYON NEAR FORRESTAL DR; N & W OF FORRESTAL-PVT DR INTERSECTION, E OF KLONDIKE CYN.  
**Location Detail:**  
**Ecological:**  
**Threat:** ORV'S ACTIVELY USE THE AREA & CREATING TRAILS. RESIDENTIAL DEVELOPMENT PENDING.  
**General:** BOTH PALOS VERDES BLUE (EGGS, LARVAE & ADULTS) AND ASTRAGALUS OBSERVED HERE IN 1982. 3 ASTRAGALUS OBSERVED IN 1985, 8 IN 1986;12 IN 1987; 16 IN 1988; NO PVBB OBSERVED.  
**Owner/Manager:** PVT-PALOS VERDES PROPERTIES

**Sources**

- ARN85R0001      ARNOLD, RICHARD A. PALOS VERDES BLUE BUTTERFLY MANAGEMENT PLAN, FINAL AND DRAFT. 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.
- ARN86F0009      ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT FORRESTAL DRIVE LOCATION. 1986-05-XX.
- ARN90A0001      ARNOLD, RICHARD A. ECOLOGY AND CONSERVATION OF TWO ENDANGERED SOUTHERN CALIFORNIA BUTTERFLIES (PUBLISHED IN: MEMOIRS OF THE NATURAL HISTORY FOUNDATION OF ORANGE COUNTY - VOL. 3, PAGES 36-47). 1990-07-01.

***Glaucopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: IILEPG402A

**Status**

Federal: Endangered  
 State: None

**NDDB Element Ranks**

Global: G5T1  
 State: S1

**Other Lists**

CDFG Status:

**Habitat Associations**

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

Occurrence No. 10

Map Index: 01838

EO Index: 23017

Dates Last Seen

Occ Rank: None

Element: 1983-XX-XX

Origin: Natural/Native occurrence

Site: 1988-XX-XX

Presence: Possibly Extirpated

Trend: Unknown

Record Last Updated: 2000-01-04

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.73182° / -118.34123°

Township: 05S

UTM: Zone-11 N3733229 E375747

Range: 14W

Mapping Precision: NON-SPECIFIC

Section: 22 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area:

Elevation: 500 ft

**Location:** GULFCREST-HEROIC DR AREA; ALONG TRAIL ON HILLSIDE BEYOND END OF GULFCREST DR NEAR HEROIC DR.

**Location Detail:** PALO VISTA DRIVE, SEA CLIFF HILLS DEVELOPMENT ON NORTH SIDE OF ROAD APPROX 1500 FT WEST OF JUNCTION WITH 25TH ST.

**Ecological:**

**Threat:** GRADING AND DISKING, RESIDENTIAL DEVELOPMENT

**General:** SITE DISCOVERED IN 1983; AT THAT TIME THIS WAS LARGEST KNOWN STAND OF ASTRAGALUS (65 PLANTS). 1 OF 2 SITES WHERE PVBB WAS OBS IN 1983. ENTIRE SITE DISKED IN 1984; NO PVBB OBS SINCE, ALTHOUGH ASTRAGALUS FOUND 1985 THROUGH 1988.

**Owner/Manager:** PVT

**Sources**

- ARN85R0001 ARNOLD, RICHARD A. PALOS VERDES BLUE BUTTERFLY MANAGEMENT PLAN, FINAL AND DRAFT. 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.
- ARN86F0010 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY IN GULFCREST - HEROIC DRIVE AREA. 1986-05-XX.
- ARN86F0011 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT PALO VISTA DRIVE - SEA CLIFF HILLS DEVELOPMENT LOCATION. 1986-05-XX.
- ARN86F0012 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT PASEO DEL MAR AVENUE LOCATION. 1986-05-XX.
- ARN86R0002 ARNOLD, RICHARD A. STUDIES OF THE EL SEGUNDO BLUE BUTTERFLY - 1984. 1986-06-XX.
- ARN90A0001 ARNOLD, RICHARD A. ECOLOGY AND CONSERVATION OF TWO ENDANGERED SOUTHERN CALIFORNIA BUTTERFLIES (PUBLISHED IN: MEMOIRS OF THE NATURAL HISTORY FOUNDATION OF ORANGE COUNTY - VOL. 3, PAGES 36-47). 1990-07-01.



***Glaucoopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: ILEPG402A

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> Endangered	<b>Global:</b> G5T1	<b>CDFG Status:</b>
<b>State:</b> None	<b>State:</b> S1	

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

<b>Occurrence No.</b> 15	<b>Map Index:</b> 01892	<b>EO Index:</b> 23010	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> None			<b>Element:</b> XXXX-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1986-05-XX
<b>Presence:</b> Extirpated			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-10-30

**Quad Summary:** San Pedro (3311863/073A)  
**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.71834° / -118.31479°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3731703 E378178	<b>Range:</b> 14W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 300 ft

**Location:** WHITES POINT PARK (AKA FT MACARTHUR MIL RES).

**Location Detail:**

**Ecological:**

**Threat:** AREA IS DISKED ANNUALLY AND THE REMAINDER IS CULTIVATED BY LOCAL GARDENERS.

**General:** ABANDONED PORTION OF MILITARY RESERVATION; OVERGROWN WITH WEEDS. 3 ASTRAGALUS FOUND IN 1983; ALTHOUGH STRESSED, PERSISTED TO 1985. NO PVBB EVER OBSERVED. LAND USE STILL BEING DETERMINED IN 1985. LAST ASTRAGALUS PLANT DIED IN 1986.

**Owner/Manager:** CITY OF LOS ANGELES, STATE

\_\_\_\_\_ **Sources** \_\_\_\_\_

ARN85R0001    ARNOLD, RICHARD A. PALOS VERDES BLUE BUTTERFLY MANAGEMENT PLAN, FINAL AND DRAFT. 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.

ARN86F0015    ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT WHITE POINT PARK LOCATION. 1986-05-XX.

***Glaucopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: ILEPG402A

**Status**

Federal: Endangered  
 State: None

**NDDB Element Ranks**

Global: G5T1  
 State: S1

**Other Lists**

CDFG Status:

**Habitat Associations**

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

**Occurrence No.** 16

**Map Index:** 01823

**EO Index:** 23009

**Dates Last Seen**

**Occ Rank:** None

**Element:** 1981-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1988-XX-XX

**Presence:** Possibly Extirpated

**Trend:** Unknown

**Record Last Updated:** 2000-01-05

**Quad Summary:** San Pedro (3311863/073A), Torrance (3311873/090D)

**County Summary:** Los Angeles

**Lat/Long:** 33.75028° / -118.34730°

**Township:** 05S

**UTM:** Zone-11 N3735283 E375212

**Range:** 14W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1/5 mile

**Elevation:** 1,200 ft

**Location:** TOP OF SAN PEDRO HILL, BOUNDED BY CREST RD WEST; RANCHO PALOS VERDES.

**Location Detail:**

**Ecological:**

**Threat:** GRADING AND ENCROACHMENT BY ANNUAL GRASSES AND ORNAMENTALS.

**General:** PVBB AND ASTRAGALUS FOUND HERE IN 1981. PLANT OBSERVED IN 1983 BUT DESTROYED (EXCEPT FOR 5 PLANTS) BY GRADING IN APRIL 1983. 32 PLANTS IN 3 LOCATIONS FOUND IN 1985; ONLY 3 FOUND IN 1986. NO PVBB OBSERVED SINCE 1981 SITING.

**Owner/Manager:** PVT-S&S CONSTRUCTION CO

**Sources**

- ARN82U0001 ARNOLD, RICHARD A. LETTER AND MAPS SENT TO USFWS SESO WITH 1982 FIELD RESEARCH DATA. 1982-07-16.
- ARN85R0001 ARNOLD, RICHARD A. PALOS VERDES BLUE BUTTERFLY MANAGEMENT PLAN, FINAL AND DRAFT. 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.
- ARN86F0016 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT SAN PEDRO HILL LOCATION. 1986-05-XX.
- ARN90A0001 ARNOLD, RICHARD A. ECOLOGY AND CONSERVATION OF TWO ENDANGERED SOUTHERN CALIFORNIA BUTTERFLIES (PUBLISHED IN: MEMOIRS OF THE NATURAL HISTORY FOUNDATION OF ORANGE COUNTY - VOL. 3, PAGES 36-47). 1990-07-01.

***Glaucopsyche lygdamus palosverdesensis***

Palos Verdes blue butterfly

Element Code: ILEPG402A

**Status**

**Federal:** Endangered  
**State:** None

**NDDB Element Ranks**

**Global:** G5T1  
**State:** S1

**Other Lists**

**CDFG Status:**

**Habitat Associations**

**General:** RESTRICTED TO THE COOL, FOG-SHROUDED, SEAWARD SIDE OF PALOS VERDES HILLS, LOS ANGELES COUNTY.

**Micro:** HOST PLANT IS ASTRAGALUS TRICHOPODUS VAR. LONCHUS (LOCOWEED).

**Occurrence No.** 17

**Map Index:** 01941

**EO Index:** 23007

**Dates Last Seen**

**Occ Rank:** None

**Element:** XXXX-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1986-05-XX

**Presence:** Extirpated

**Trend:** Unknown

**Record Last Updated:** 1995-11-02

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.71140° / -118.29507°

**Township:** 05S

**UTM:** Zone-11 N3730910 E379996

**Range:** 14W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1/5 mile

**Elevation:** 200 ft

**Location:** FORT MACARTHUR UPPER RES AREA, S OF SWIMMING POOL ALONG RD NR GAFFEY LOOKOUT.

**Location Detail:**

**Ecological:**

**Threat:** SOME PORTIONS MOWED, OTHERS DISKED ANNUALLY FOR FIRE CONTROL.

**General:** FORMERLY OWNED BY THE MILITARY; NOW OPERATED AS A PARK BY THE COUNTY OF LOS ANGELES. ONE ASTRAGALUS FOUND IN 1982; NONE FROM 1983 THROUGH 1985; 8 FOUND IN 1986, BUT NO PVBB. MOU WITH L.A. COUNTY TO PROTECT FOODPLANT COULD BENEFIT PVBB.

**Owner/Manager:** LOS ANGELES COUNTY

**Sources**

- ARN85U0001 ARNOLD, RICHARD A. (ENTOMOLOGICAL CONSULTING SERVICES). LETTER TO JACK PARNELL, DIRECTOR, DFG PROVIDING COLLECTION DATA FOR VELB. 1985-09-18.
- ARN86F0017 ARNOLD, RICHARD A. FIELD SURVEY FORM FOR PALOS VERDES BLUE BUTTERFLY AT FORT MACARTHUR LOCATION. 1986-05-XX.

***Lasionycteris noctivagans***

silver-haired bat

Element Code: AMACC02010

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** None

**Global:** G5

**CDFG Status:**

**State:** None

**State:** S3S4

**Habitat Associations**

**General:** PRIMARILY A COASTAL & MONTANE FOREST DWELLER FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.

**Micro:** ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES & RARELY UNDER ROCKS. NEEDS DRINKING WATER.

**Occurrence No.** 50

**Map Index:** 68566

**EO Index:** 68930

**Dates Last Seen**

**Occ Rank:** Unknown

**Element:** 1986-11-18

**Origin:** Natural/Native occurrence

**Site:** 1986-11-18

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2007-03-20

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.79315° / -118.20057°

**Township:** 04S

**UTM:** Zone-11 N3739869 E388858

**Range:** 13W

**Mapping Precision:** SPECIFIC

**Section:** 26 **Qtr:** SE

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 80 meters

**Elevation:** 10 ft

**Location:** LONG BEACH, JUST SOUTH OF INTERSECTION OF 20TH ST AND MAINE AVE.

**Location Detail:** MAPPED ACCORDING TO LOCALITY DESCRIPTION AND LAT/LONG COORDINATES PROVIDED BY MANIS.

**Ecological:**

**Threat:**

**General:** 1 MALE SPECIMEN (MVZ #181854) COLLECTED AT "LONG BEACH, 1995 MAINE" BY DENNY G. CONSTANTINE ON 18 NOV 1986.

**Owner/Manager:** UNKNOWN

**Sources**

MAN04S0022 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS). PRINTOUT OF LASIONYCTERIS NOCTIVAGANS SPECIMEN RECORDS FROM MANIS. INCLUDES RECORDS FROM LACM, CAS, MSB & MVZ. 2004-12-10.

***Lycium brevipes var. hassei***

Santa Catalina Island desert-thorn

Element Code: PDSOLOG0N0

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None  
 State: None

Global: G1Q  
 State: S1.1

CNPS List: 1B.1

**Habitat Associations**

General: COASTAL BLUFF SCRUB, COASTAL SCRUB.

Micro: COASTAL BLUFFS AND SLOPES. 10-300M.

Occurrence No. 4

Map Index: 55709

EO Index: 55725

Dates Last Seen

Occ Rank: Fair

Element: 1992-05-21

Origin: Natural/Native occurrence

Site: 1992-05-21

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2004-06-07

Quad Summary: San Pedro (3311863/073A)

County Summary: Los Angeles

Lat/Long: 33.73805° / -118.37438°

Township: 05S

UTM: Zone-11 N3733960 E372685

Range: 14W

Mapping Precision: SPECIFIC

Section: 17 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 2.0 acres

Elevation: 100 ft

**Location:** ON TOP (EDGE) OF PORTUGUESE POINT, RANCHO PALOS VERDES, ABALONE COVE ECOLOGICAL RESERVE

**Location Detail:** ALONG WEST EDGE AND SOUTH END OF POINT.

**Ecological:** ADJACENT SLOPE BELOW HAS COASTAL SAGE SCRUB COMMUNITY, WHILE MOST OF THE VEGETATION ON TOP CONSISTS OF NON-NATIVE ANNUAL GRASSES AND MUSTARDS WITH PATCHES OF SAGE SCRUB.

**Threat:** TOP OF POINT GRADED IN THE 1930S, BUT NEVER DEVELOPED. SOME PLANTED ORNAMENTAL EXOTICS REMAIN ON SITE.

**General:** 50-75 PLANTS SEEN IN 1992, FORMING A DENSE, 1 M TALL THICKET. SPECIMENS SENT TO M. NEE AT NYBG, WHO KEYED SUBSPECIES AS HASSEI. ON THE EAST SIDE OF THE POINT IS A TALLER (UP TO 2M), MORE SPINY LYCIUM. FOUND BY SANDERS IN 1976.

**Owner/Manager:** UNKNOWN

**Sources**

- BRI92F0003 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR LYCIUM BREVIPES VAR. HASSEI. 1992-02-27.
- BRINDU0002 BRINKMANN-BUSI, A. PLANT PORTRAIT: CATALINA ISLAND DESERT THORN (LYCIUM BREVIPES VAR. HASSEI): THE STORY OF RECOVERY. XXXX-XX-XX.
- SAN93U0004 SANDERS, A. COMMENTS FOR CNPS INVENTORY 5. 1993-10-XX.
- TIB04U0001 TIBOR, D. EMAIL TO S. BOYD REGARDING LYCIUM BREVIPES VAR. HASSEI. 2004-01-20.

**Navarretia prostrata**

prostrate vernal pool navarretia

Element Code: PDPLMOC0Q0

**Status**

**NDDB Element Ranks**

**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, ALKALINE 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:** 33.79001° / -118.24785°

**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**

JEP43B0001 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). XXXX-XX-XX.

***Nemacaulis denudata var. denudata***

coast woolly-heads

Element Code: PDPGN0G011

\_\_\_\_\_ **Status** \_\_\_\_\_

\_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_

\_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G3G4T3?

**CNPS List:** 1B.2

**State:** None

**State:** S2.2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES.

**Micro:** 0-100M.

**Occurrence No.** 21

**Map Index:** 27996

**EO Index:** 22217

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1905-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1905-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1996-06-11

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.74045° / -118.26454°

**Township:** 05S

**UTM:** Zone-11 N3734096 E382864

**Range:** 13W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 3/5 mile

**Elevation:** 20 ft

**Location:** EAST SAN PEDRO, TERMINAL ISLAND.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** VICINITY REPORTED IN TWO COLLECTIONS BY GRANT; GRANT (SN DS) IN 1898 AND GRANT (#827 DS) IN 1901-1905.

**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

GRA05S0001 GRANT, G.B. GRANT #827 DS #88598. 1905-XX-XX.

GRA98S0001 GRANT. GRANT SN DS #88599. 1898-04-07.

***Nemacaulis denudata var. denudata***

coast woolly-heads

Element Code: PDPGN0G011

\_\_\_\_\_ **Status** \_\_\_\_\_

\_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_

\_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G3G4T3?

**CNPS List:** 1B.2

**State:** None

**State:** S2.2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES.

**Micro:** 0-100M.

**Occurrence No.** 22

**Map Index:** 27997

**EO Index:** 22231

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** XXXX-XX-XX

**Origin:** Natural/Native occurrence

**Site:** XXXX-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1996-07-08

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.77120° / -118.18868°

**Township:** 05S

**UTM:** Zone-11 N3737422 E389931

**Range:** 13W

**Mapping Precision:** NON-SPECIFIC

**Section:** 01 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1 mile

**Elevation:** 20 ft

**Location:** LONG BEACH.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED COLLECTION BY PARISH NOTED IN "FLORA OF CALIFORNIA, VOL. I" BY JEPSON (1909).

**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

JEP09B0001 JEPSON, W. FLORA OF CALIFORNIA, VOL. 1. 1909-XX-XX.

MCC96S0003 MCCLATCHIE, A. MCCLATCHIE SN UC #6596. 1896-07-01.

PAR91S0003 PARISH, S. PARISH SN UC, JEPS. 1891-XX-XX.



***Neotoma lepida intermedia***

San Diego desert woodrat

Element Code: AMAFF08041

**Status**

Federal: None  
 State: None

**NDDB Element Ranks**

Global: G5T3?  
 State: S3?

**Other Lists**

CDFG Status: SC

**Habitat Associations**

**General:** COASTAL SCRUB OF SOUTHERN CALIFORNIA FROM SAN DIEGO COUNTY TO SAN LUIS OBISPO COUNTY.

**Micro:** MODERATE TO DENSE CANOPIES PREFERRED. THEY ARE PARTICULARLY ABUNDANT IN ROCK OUTCROPS & ROCKY CLIFFS & SLOPES.

**Occurrence No.** 11      **Map Index:** 33547      **EO Index:** 29698      **Dates Last Seen**  
**Occ Rank:** Poor      **Element:** 1991-08-26  
**Origin:** Natural/Native occurrence      **Site:** 1991-08-26  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1996-11-05

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.73142° / -118.35211°      **Township:** 05S  
**UTM:** Zone-11 N3733197 E374739      **Range:** 14W  
**Mapping Precision:** NON-SPECIFIC      **Section:** XX      **Qtr:** XX  
**Symbol Type:** POLYGON      **Meridian:** S  
**Area:**      **Elevation:** 200 ft

**Location:** PALOS VERDES PENINSULA, SOUTH OF PALOS VERDES DRIVE, BETWEEN PALOS VERDES PENINSULAR PARK AND PORTUGUESE POINT.

**Location Detail:** WOODRATS TRAPPED IN THE VICINITY OF PRICKLY PEAR CLUMPS.

**Ecological:** SITE IS MADE UP OF PRIMARILY DISTURBED RUDERAL VEGETATION, DOMINATED BY FENNEL AND BRASSICA. THERE ARE CLUMPS OF CSS AND COASTAL BLUFF SCRUB, WHERE ARTEMISIA CALIFORNICA AND PRICKLY PEAR OCCUR.

**Threat:** THREATENED BY THE HIGHLY-DISTURBED NATURE OF THE SITE AND ONGOING THREAT OF DEVELOPMENT.

**General:** 19 ADULTS TRAPPED BETWEEN 23-26 AUGUST 1991.

**Owner/Manager:** UNKNOWN

**Sources**

LIC91F0001      LICHTWARDT, ERIC (SWEETWATER CORPORATION). FIELD SURVEY FORM FOR NEOTOMA LEPIDA INTERMEDIA. 1991-08-XX.

***Nyctinomops macrotis***

big free-tailed bat

Element Code: AMACD04020

**Status**

**NDDB Element Ranks**

**Other Lists**

Federal: None

Global: G5

CDFG Status: SC

State: None

State: S2

**Habitat Associations**

**General:** LOW-LYING ARID AREAS IN SOUTHERN CALIFORNIA.

**Micro:** NEED HIGH CLIFFS OR ROCKY OUTCROPS FOR ROOSTING SITES. FEEDS PRINCIPALLY ON LARGE MOTHS.

Occurrence No. 5

Map Index: 27997

EO Index: 59564

Dates Last Seen

Occ Rank: Unknown

Element: 1983-10-07

Origin: Natural/Native occurrence

Site: 1983-10-07

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2005-01-21

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.77120° / -118.18868°

**Township:** 05S

**UTM:** Zone-11 N3737422 E389931

**Range:** 13W

**Mapping Precision:** NON-SPECIFIC

**Section:** 01 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1 mile

**Elevation:** 20 ft

**Location:** LONG BEACH.

**Location Detail:** EXACT LOCATION NOT KNOWN; MAPPED IN GENERAL AREA OF LONG BEACH. LOCATION ONLY GIVEN AS "LONG BEACH." COORDINATES PROVIDED BY MANIS FALL ON NORTHEAST SIDE OF CIRCLE WITH AN UNCERTAINTY OF 3218 METERS (~2 MILES).

**Ecological:**

**Threat:**

**General:** ONE FEMALE SPECIMEN COLLECTED 7 OCT 1983 BY D. CONSTANTINE AT "LONG BEACH." DEPOSITED AT MVZ #181983.

**Owner/Manager:** UNKNOWN

**Sources**

MAN05S0005 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS). PRINTOUT OF NYCTINOMOPS MACROTIS SPECIMEN RECORDS FROM MANIS. THIS INCLUDES RECORDS FROM LACM & MVZ. 2005-01-06.

***Orcuttia californica***

California Orcutt grass

Element Code: PMPOA4G010

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered

**Global:** G2

**CNPS List:** 1B.1

**State:** Endangered

**State:** S2.1

**Habitat Associations**

**General:** VERNAL POOLS.

**Micro:** 15-660M.

**Occurrence No.** 13

**Map Index:** 47232

**EO Index:** 47232

**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:** 2002-02-14

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

**County Summary:** Los Angeles

**Lat/Long:** 33.83581° / -118.11743°

**Township:** 04S

**UTM:** Zone-11 N3744512 E396606

**Range:** 12W

**Mapping Precision:** NON-SPECIFIC

**Section:** 10 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1 mile

**Elevation:** 40 ft

**Location:** WEST LOS ANGELES COUNTY, NEAR LAKEWOOD.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** COLLECTED NEAR LAKEWOOD ACCORDING TO GRIGGS (1977), UNKNOWN WHEN SEEN. APPARENTLY EXTIRPATED.

**Owner/Manager:** UNKNOWN

**Sources**

GRI77U0009

GRIGGS, F. CNPS RARE PLANT STATUS REPORT ON ORCUTTIA CALIFORNICA VAR. CALIFORNICA. 1977-XX-XX.

***Pelecanus occidentalis californicus***

California brown pelican

Element Code: ABNFC01021

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered  
**State:** unknown code...

**Global:** G4T3  
**State:** S1S2

**CDFG Status:**

**Habitat Associations**

**General:** COLONIAL NESTER ON COASTAL ISLANDS JUST OUTSIDE THE SURF LINE.

**Micro:** NESTS ON COASTAL ISLANDS OF SMALL TO MODERATE SIZE WHICH AFFORD IMMUNITY FROM ATTACK BY GROUND-DWELLING PREDATORS. ROOST

**Occurrence No.** 14      **Map Index:** 63544      **EO Index:** 63649      **Dates Last Seen**  
**Occ Rank:** Excellent      **Element:** 2000-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 2000-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2005-12-29

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:**

**Lat/Long:** 33.72344° / -118.19059°      **Township:** 99X  
**UTM:** Zone-11 N3732128 E389693      **Range:** 99X  
**Mapping Precision:** SPECIFIC      **Section:** UN      **Qtr:** XX  
**Symbol Type:** POLYGON      **Meridian:** X  
**Area:** 397.7 acres      **Elevation:** 0 ft

**Location:** EASTERN AND MIDDLE LONG BEACH HARBOR BREAKWATERS.

**Location Detail:** ROOST NUMBER LA 1.0 (EAST BREAKWATER) AND LA 2.0 (MIDDLE BREAKWATER)

**Ecological:** COMBINED BREAKWATERS ARE 9.4 KM IN LENGTH. THEY ARE BROAD & SOMEWHAT PROTECTED FROM WINTER SURF.

**Threat:** POTENTIAL THREAT FROM RECREATIONAL ANGLERS & BOATERS. DISTANCE TO SHORE & HEAVY SHIPPING TRAFFIC LIMIT RECREATIONAL USE.

**General:** DAY & NIGHT ROOST. THIS IS LARGEST & HIGHEST QUALITY ROOST ON SOUTHERN CALIFORNIA COAST. 584 BIRDS COUNTED AT DAWN 5 NOV 1986. SUMMARY OF 1986-87, 1992-93 & 1998-2000 DIURNAL COUNTS: 31-650 BIRDS (MIDDLE) & 53-690 BIRDS (EAST) BREAKWATERS.

**Owner/Manager:** LONG BEACH HARBOR, DOD-COE

**Sources**

- JAQ03R0001      JAQUES, D. & C. STRONG (CRESCENT COASTAL RESEARCH). BROWN PELICAN NIGHT ROOST SITES ON THE SOUTHERN CALIFORNIA COAST. 2003-04-XX.
- STR03R0001      STRONG, C. & D. JAQUES (CRESCENT COASTAL RESEARCH). BROWN PELICAN ROOST SITES ON THE MAINLAND COAST OF SOUTHERN CALIFORNIA. 2003-01-09.

***Pentachaeta lyonii***

Lyon's pentachaeta

Element Code: PDAST6X060

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered

**Global:** G2

**CNPS List:** 1B.1

**State:** Endangered

**State:** S2

**Habitat Associations**

**General:** CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** EDGES OF CLEARINGS IN CHAP., USUALLY AT THE ECOTONE BTWN GRASSLAND AND CHAPARRAL OR EDGES OF FIREBREAKS. 30-630M.

**Occurrence No.** 1

**Map Index:** 01943

**EO Index:** 16675

**Dates Last Seen**

**Occ Rank:** None

**Element:** 1910-03-21

**Origin:** Natural/Native occurrence

**Site:** 1997-XX-XX

**Presence:** Possibly Extirpated

**Trend:** Unknown

**Record Last Updated:** 2008-09-24

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.70639° / -118.29341°

**Township:** 05S

**UTM:** Zone-11 N3730352 E380142

**Range:** 14W

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1/5 mile

**Elevation:** 100 ft

**Location:** POINT FERMIN, SAN PEDRO.

**Location Detail:** A 1899 BRANDEGEE COLL FROM "SAN PEDRO" ALSO ATTRIBUTED TO THIS SITE. A 1999 USFWS REPORT MENTIONS THAT THE PLANT WAS LAST COLLECTED HERE IN 1931; CNDDDB HAS NO INFO TO SUPPORT THIS DATE.

**Ecological:**

**Threat:**

**General:** SITE MAPPED ACC TO TWO 1908 PEIRSON COLLECTIONS & A 1910 JOHNSON COLLECTION. FOTHERINGHAM UNABLE TO LOCATE IN 1997, PRESUMED EXTIRPATED. NEEDS FIELDWORK. INCLUDES FORMER EO #41.

**Owner/Manager:** UNKNOWN

**Sources**

- BRA99S0002 BRANDEGEE. BRANDEGEE SN F (AS CITED IN VAN73A0001). 1899-05-XX.
- FOT98R0001 FOTHERINGHAM, C. & J. KEELEY. ECOLOGY AND DISTRIBUTION OF BRAUNTON'S MILK-VETCH (ASTRAGALUS BRAUNTONII) AND LYON'S PENTACHAETA (PENTACHAETA LYONII). 1998-04-01.
- JOH10S0003 JOHNSON. JOHNSON SN NY (AS CITED IN VAN73A0001). 1910-03-21.
- PEI08S0003 PEIRSON, F. PEIRSON #1223 RSA #93284. 1908-04-18.
- PEI08S0004 PEIRSON, F. PEIRSON #1221 RSA #93287. 1908-04-18.
- USF99R0001 U.S. FISH & WILDLIFE SERVICE. RECOVERY PLAN FOR SIX PLANTS FROM THE MOUNTAINS SURROUNDING THE LOS ANGELES BASIN. 1999-09-30.
- VAN73A0001 VAN HORN, G. "THE TAXONOMIC STATUS OF PENTACHAETA & CHAETOPAPPA W/ A REVISION OF PENTACHAETA." UNIV OF CALIF PUBLICATION IN BOTANY 65:1-41. 1973-XX-XX.

***Pentachaeta lyonii***

Lyon's pentachaeta

Element Code: PDAST6X060

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> Endangered	<b>Global:</b> G2	<b>CNPS List:</b> 1B.1
<b>State:</b> Endangered	<b>State:</b> S2	

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** EDGES OF CLEARINGS IN CHAP., USUALLY AT THE ECOTONE BTWN GRASSLAND AND CHAPARRAL OR EDGES OF FIREBREAKS. 30-630M.

<b>Occurrence No.</b> 2	<b>Map Index:</b> 34591	<b>EO Index:</b> 48785	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> None			<b>Element:</b> 1886-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1994-XX-XX
<b>Presence:</b> Possibly Extirpated			
<b>Trend:</b> Decreasing			<b>Record Last Updated:</b> 2008-10-03

**Quad Summary:** Torrance (3311873/090D), San Pedro (3311863/073A)  
**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.74588° / -118.33602°	<b>Township:</b> 01S
<b>UTM:</b> Zone-11 N3734781 E376250	<b>Range:</b> 14W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1 mile	<b>Elevation:</b> 1,400 ft

**Location:** PALOS VERDES MT (=SAN PEDRO HILLS).

**Location Detail:** EXACT LOCATION UNKNOWN. MAPPED AT SAN PEDRO HILL AND SURROUNDINGS BY CNDDB.

**Ecological:**

**Threat:** AREA HAS BEEN OVER-RUN BY ANNUAL GRASSES AND THISTLES. THE MAJORITY OF THIS AREA IS URBANIZED.

**General:** TYPE LOCALITY. ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1886 LYON COLLECTION. THOMAS MENTIONS THAT HE SAW NO PLANTS IN THIS AREA IN 1989 OR 1994. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

- |            |   |
|------------|---|
| LYO86S0001 | LYON, W. LYON SN GH CAS DS K (AS CITED IN VAN73A0001). 1886-XX-XX.  |
| THO89U0001 | THOMAS, T. CONVERSATION BETWEEN TIM THOMAS AND SANDRA MOREY REGARDING SEVERAL EOS. 1989-08-22.  |
| THO89U0002 | THOMAS, T. TABLE SHOWING ABUNDANCE AND MONITORING RESULTS FOR PENTACHAETA LYONII. 1989-XX-XX.   |
| THO94U0001 | THOMAS, T. PHONE CONVERSATION WITH TIM THOMAS BY RONNIE GLICK (FORWARDED TO R. BITTMAN). 1994-07-07.  |
| VAN73A0001 | VAN HORN, G. "THE TAXONOMIC STATUS OF PENTACHAETA & CHAETOPAPPA W/ A REVISION OF PENTACHAETA." UNIV OF CALIF PUBLICATION IN BOTANY 65:1-41. 1973-XX-XX. |
| VAN77U0001 | VAN HORN, G. CNPS RARE PLANT STATUS REPORT FOR PENTACHAETA LYONII. 1977-XX-XX.  |

***Pentachaeta lyonii***

Lyon's pentachaeta

Element Code: PDAST6X060

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered  
**State:** Endangered

**Global:** G2  
**State:** S2

**CNPS List:** 1B.1

**Habitat Associations**

**General:** CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** EDGES OF CLEARINGS IN CHAP., USUALLY AT THE ECOTONE BTWN GRASSLAND AND CHAPARRAL OR EDGES OF FIREBREAKS. 30-630M.

**Occurrence No.** 7

**Map Index:** 39864

**EO Index:** 48741

**Dates Last Seen**

**Occ Rank:** None

**Element:** XXXX-XX-XX

**Origin:** Natural/Native occurrence

**Site:** XXXX-XX-XX

**Presence:** Possibly Extirpated

**Trend:** Unknown

**Record Last Updated:** 2002-09-06

**Quad Summary:** Torrance (3311873/090D), Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.79001° / -118.24785°

**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:** LOCATION BASED UPON OLD (UNDATED) BRANDEGEE COLLECTION. POPULATION PRESUMABLY EXTIRPATED ACCORDING TO FOTHERINGHAM. HISTORIC SITE. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

**Sources**

- BRANDS0024 BRANDEGEE. BRANDEGEE SN UC (CITED IN VAN73A0001). XXXX-XX-XX.
- FOT98R0001 FOTHERINGHAM, C. & J. KEELEY. ECOLOGY AND DISTRIBUTION OF BRAUNTON'S MILK-VETCH (ASTRAGALUS BRAUNTONII) AND LYON'S PENTACHAETA (PENTACHAETA LYONII). 1998-04-01.
- VAN73A0001 VAN HORN, G. "THE TAXONOMIC STATUS OF PENTACHAETA & CHAETOPAPPA W/ A REVISION OF PENTACHAETA." UNIV OF CALIF PUBLICATION IN BOTANY 65:1-41. 1973-XX-XX.

***Perognathus longimembris pacificus***

Pacific pocket mouse

Element Code: AMAFD01042

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Endangered  
**State:** None

**Global:** G5T1  
**State:** S1

**CDFG Status:** SC

**Habitat Associations**

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

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

**Occurrence No.** 3

**Map Index:** 39864

**EO Index:** 34866

**Dates Last Seen**

**Occ Rank:** None

**Element:** 1865-10-XX

**Origin:** Natural/Native occurrence

**Site:** 1865-10-XX

**Presence:** Extirpated

**Trend:** Unknown

**Record Last Updated:** 2003-04-10

**Quad Summary:** Torrance (3311873/090D), Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.79001° / -118.24785°

**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, LOS ANGELES.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** HISTORIC SITE. 3 MVZ SPECIMENS (#5633-35) COLLECTED IN OCT 1865 BY J. G. COOPER.

**Owner/Manager:** UNKNOWN

**Sources**

ERI93R0001 ERICKSON, R.A. PACIFIC POCKET MOUSE; DRAFT MANUSCRIPT PREPARED FOR INCLUSION IN "ENDANGERED RODENTS OF THE WORLD," TO BE PUBLISHED BY IUCN. 1993-XX-XX.

FWS97R0004 U.S. FISH & WILDLIFE SERVICE. DRAFT RECOVERY PLAN FOR THE PACIFIC POCKET MOUSE (PEROGNATHUS LONGIMEMBRIS PACIFICUS). 1997-XX-XX.

MVZ03S0004 MUSEUM OF VERTEBRATE ZOOLOGY (UC, BERKELEY). PRINTOUT OF MVZ SPECIMEN DATABASE FOR PEROGNATHUS LONGIMEMBRIS PACIFICUS. 2003-XX-XX.



***Phrynosoma blainvillii***

coast horned lizard

Element Code: ARACF12100

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** None  
**State:** None

**Global:** G4G5  
**State:** S3S4

**CDFG Status:** SC

**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.** 150      **Map Index:** 02093      **EO Index:** 28066      **— Dates Last Seen —**  
**Occ Rank:** None      **Element:** 1951-03-17  
**Origin:** Natural/Native occurrence      **Site:** 1951-03-17  
**Presence:** Extirpated  
**Trend:** Unknown      **Record Last Updated:** 2006-01-23

**Quad Summary:** Long Beach (3311872/089C)

**County Summary:** Los Angeles

**Lat/Long:** 33.77173° / -118.19937°      **Township:** 05S  
**UTM:** Zone-11 N3737492 E388942      **Range:** 13W  
**Mapping Precision:** NON-SPECIFIC      **Section:** XX      **Qtr:** XX  
**Symbol Type:** POINT      **Meridian:** S  
**Radius:** 1/5 mile      **Elevation:** 25 ft

**Location:** 4TH AND DAISY, LONG BEACH.

**Location Detail:**

**Ecological:**

**Threat:**

**General:** LACM SPECIMENS #101342-3 COLLECTED 17 MAR 1951 BY H. SAMUELSON.

**Owner/Manager:** UNKNOWN

**Sources**

BRO86U0005      BRODE, J. COLLECTION RECORDS FOR PHRYNOSOMA CORONATUM BLAINVILLII IN SDG, LAX, ORA, RIV & SBD COUNTIES. 1986-XX-XX.

LAC06S0001      LACM. PRINTOUT OF PHRYNOSOMA CORONATUM SPECIMEN RECORDS FOR LOS ANGELES COUNTY. 2006-01-23.

***Polioptila californica californica***

coastal California gnatcatcher

Element Code: ABPB08081

**Status**

Federal: Threatened  
 State: None

**NDDB Element Ranks**

Global: G3T2  
 State: S2

**Other Lists**

CDFG Status: SC

**Habitat Associations**

**General:** OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

**Micro:** LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS & SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

**Occurrence No.** 30      **Map Index:** 01686      **EO Index:** 29840      **Dates Last Seen**  
**Occ Rank:** Good      **Element:** 2006-06-10  
**Origin:** Natural/Native occurrence      **Site:** 2006-06-10  
**Presence:** Presumed Extant  
**Trend:** Decreasing      **Record Last Updated:** 2008-06-12

**Quad Summary:** Redondo Beach (3311874/090C), San Pedro (3311863/073A), Torrance (3311873/090D)

**County Summary:** Los Angeles

**Lat/Long:** 33.74530° / -118.39689°      **Township:** 05S  
**UTM:** Zone-11 N3734792 E370611      **Range:** 14W  
**Mapping Precision:** NON-SPECIFIC      **Section:** 18      **Qtr:** XX  
**Symbol Type:** POLYGON      **Meridian:** S  
**Area:**      **Elevation:** 350 ft

**Location:** PALOS VERDES PENINSULA NEAR PT VINCENTE & LONG PT, NE TO CREST RD (INCLUDING MCCARRELL'S CYN), RANCHO PALOS VERDES.

**Location Detail:** ALONG PALOS VERDES DR W, PALOS VERDES DR S, & HAWTHORNE BLVD. RECENT DATA FROM PT VINCENTE PARK/CIVIC CENTER ('98 & '06), PENINSULA POINTE (ALBERO CT, '97-'06), & BARKENTINE CYN PRESERVE ('00 & '06). UPDATED W/ 56 DIGITAL 80M POLYS FROM FWS.

**Ecological:** MOST FOUND IN AREAS OF SAGEBRUSH OR CACTUS SCRUB IN 1993-95 PENINSULA SURVEY. DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, & SALVIA MELLIFERA. SOME AREAS NOW OPEN SPACE (PVPLC.ORG). MCCARRELL'S CYN (BARKENTINE) SIG HABITAT.

**Threat:** THREATENED BY ONGOING URBAN DEVELOPMENT AND FREE-ROAMING DOMESTIC CATS.

**General:** 1980: 5PRS & 1IND. '90: 24BRDS, 6TERR. '91: 2PRS. '95: 8PRS. '97: 5TERR, 6 NESTS, 19 FLDG. '98: 4PRS. '00: 12 AD, 12 JUV; 5 OBS. '01: 7PRS, 1 FLDG. '02: 7TERR, 2 FLDG. '03: 7PRS, 3UKN. '04: 11 AD, 2UKN. '06: 9 AD (ALBERO), 58 OBS.

**Owner/Manager:** CITY OF RANCHO PALOS VERDES

**Sources**

- ATW80U0001 ATWOOD, JONATHAN L. CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX.
- ATW95R0001 ATWOOD, J., C. REYNOLDS, M. FUGAGLI & S. TSAI. CALIFORNIA GNATCATCHERS, CACTUS WRENS, AND CONSERVATION OF COASTAL SAGE SCRUB ON THE PALOS VERDES PENINSULA. 1995-11-01.
- ATW98A0001 ATWOOD, J.L. ET AL. DISTRIBUTION AND POPULATION SIZE OF CALIFORNIA GNATCATCHER ON THE PALOS VERDES PENINSULA, 1993-1997. 1998-07-06.
- BRA02U0002 JIMERSON, NINA (MICHAEL BRANDMAN ASSOCIATES). SUBMITTAL REQUIREMENTS FOR CALIFORNIA GNATCATCHER SURVEYS (2002) AT PENINSULA POINT IN THE CITY OF RANCHO PALSO VERDES, LOS ANGELES COUNTY. 2002-07-09.
- BRA91R0003 BRAMLET, DAVID. BIOLOGICAL SURVEY OF THE SALVATION ARMY EDUCATIONAL FACILITY IN THE RANCHO PALOS VERDES, CALIFORNIA. 1991-10-XX.
- COU00F0001 COURTOIS, BARBARA O. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA (COASTAL CALIFORNIA GNATCATCHER). 2000-07-17.
- COU01F0001 COURTOIS, BARBARA. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA. 2001-04-09.
- COU03F0016 COURTOIS, BARBARA. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA. 2003-05-26.

***Polioptila californica californica***

coastal California gnatcatcher

Element Code: ABPB08081

**Status**

**NDDB Element Ranks**

**Other Lists**

**Federal:** Threatened

**Global:** G3T2

**CDFG Status:** SC

**State:** None

**State:** S2

**Habitat Associations**

**General:** OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

**Micro:** LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS & SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

**Sources**

COU04F0002 COURTOIS, BARBARA O. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA. 2004-04-30.

COU05F0002 COURTOIS, BARBARA. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA. 2005-05-24.

COU06F0022 COURTOIS, BARBARA O. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA. 2006-06-10.

FWS07D0001 U.S. FISH & WILDLIFE SERVICE, CARLSBAD OFFICE. USFWS CARLSBAD SPECIAL STATUS SPECIES DATABASE, AUGUST 2007 VERSION. 2007-08-09.

GAR90A0001 GARRETT, KIMBALL L. & BRIAN E. DANIELS. "STATUS OF THE CALIFORNIA GNATCATCHER ON THE PALOS VERDES PENINSULA" (WESTERN Tanager, VOL 57, NO 2, OCT 1990). 1990-10-XX.

IMP90R0001 IMPACT SCIENCES, INC. DRAFT ENVIRONMENTAL IMPACT REPORT FOR VESTING INITIATIVE TRACT 46628, 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.

***Polioptila californica californica***

coastal California gnatcatcher

Element Code: ABPB08081

**Status**

Federal: Threatened  
 State: None

**NDDB Element Ranks**

Global: G3T2  
 State: S2

**Other Lists**

CDFG Status: SC

**Habitat Associations**

**General:** OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

**Micro:** LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS & SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

**Occurrence No.** 34      **Map Index:** 01865      **EO Index:** 21796      **Dates Last Seen**  
**Occ Rank:** Good      **Element:** 2006-08-11  
**Origin:** Natural/Native occurrence      **Site:** 2006-08-11  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2008-06-12

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.72940° / -118.33958°      **Township:** 05S  
**UTM:** Zone-11 N3732958 E375896      **Range:** 14W  
**Mapping Precision:** NON-SPECIFIC      **Section:** 22      **Qtr:** XX  
**Symbol Type:** POLYGON      **Meridian:** S  
**Area:**      **Elevation:** 200 ft

**Location:** BETWEEN MARYMOUNT SCHOOL TO THE N, THE OCEAN TO THE S & W, & THE CITY/CORP BOUNDRY TO THE E, RANCHO PALOS VERDES.

**Location Detail:** INCLUDES SWITCHBACKS OPEN SPACE & SHORELINE PARK. ATW80 SITE NAME KLOS. UPDATED W/ 61 FWS DIGITAL POLYGONS, SITE NAMES OCEAN TRAILS HCP ('97-98), FRIENDSHIP COMM REG PARK ('04), TRUMP NAT'L GOLF COURSE ('05), PORTEGUESE BEND NAT PRES ('06).

**Ecological:** HABITAT IS COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ISOCOMA VENETA, ENCELIA CALIFORNICA, SALVIA MELLIFERA; LESSER AMOUNTS OF ERIOGONUM CINEREUM, MALOSMA LAURINA. HABITAT QUALITY: EXCELLENT TO POOR.

**Threat:** THREATENED BY ONGOING URBAN DEVELOPMENT.

**General:** 1980: 7 PRS, EST 10-13 PRS. '90: 6 BRDS, 1 TERR. '91: 3 PRS. '92: 3-4 PRS. '95: 3 PRS. POOR SURVIVAL WINTER '94-95. '97: SEP-OCT, 15 DETECTED. '98: 17 DETECTED (DUDEK). '04: 1 PR (SAPHOS). '05: 30 (15PRS?, DUDEK). '06: 88 DETECTIONS (DUDEK)

**Owner/Manager:** CITY OF RANCHO PALOS VERDES

**Sources**

- ATW80U0001 ATWOOD, JONATHAN L. CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX.
- ATW95R0001 ATWOOD, J., C. REYNOLDS, M. FUGAGLI & S. TSAI. CALIFORNIA GNATCATCHERS, CACTUS WRENS, AND CONSERVATION OF COASTAL SAGE SCRUB ON THE PALOS VERDES PENINSULA. 1995-11-01.
- DUD97U0006 DUDEK & ASSOCIATES, INC. 45-DAY REPORT FOR THE OCEAN TRAILS HCP AREA CALIFORNIA GNATCATCHER SURVEY, CITY OF RANCHO PALOS VERDES, LOS ANGELES COUNTY, CALIFORNIA. 1997-12-08.
- FWS07D0001 U.S. FISH & WILDLIFE SERVICE, CARLSBAD OFFICE. USFWS CARLSBAD SPECIAL STATUS SPECIES DATABASE, AUGUST 2007 VERSION. 2007-08-09.
- GAR90A0001 GARRETT, KIMBALL L. & BRIAN E. DANIELS. "STATUS OF THE CALIFORNIA GNATCATCHER ON THE PALOS VERDES PENINSULA" (WESTERN Tanager, VOL 57, NO 2, OCT 1990). 1990-10-XX.
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- MOR91F0001 MORTON, JESS. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA ON PALOS VERDES PENINSULA. 1991-09-11.
- MOR91F0002 MORTON, JESS. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA ON PALOS VERDES PENINSULA (# 34). 1991-11-03.

***Polioptila californica californica***

coastal California gnatcatcher

Element Code: ABPBJ08081

\_\_\_\_\_ **Status** \_\_\_\_\_

\_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_

\_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Threatened

**Global:** G3T2

**CDFG Status:** SC

**State:** None

**State:** S2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

**Micro:** LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS & SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

\_\_\_\_\_ **Sources** \_\_\_\_\_

***Polioptila californica californica***

coastal California gnatcatcher

Element Code: ABPBJ08081

**Status**

Federal: Threatened  
 State: None

**NDDB Element Ranks**

Global: G3T2  
 State: S2

**Other Lists**

CDFG Status: SC

**Habitat Associations**

**General:** OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

**Micro:** LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS & SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

**Occurrence No.** 108      **Map Index:** 01741      **EO Index:** 29842      **Dates Last Seen**  
**Occ Rank:** Excellent      **Element:** 2006-08-18  
**Origin:** Natural/Native occurrence      **Site:** 2006-08-18  
**Presence:** Presumed Extant  
**Trend:** Stable      **Record Last Updated:** 2008-06-12

**Quad Summary:** San Pedro (3311863/073A), Redondo Beach (3311874/090C), Torrance (3311873/090D)

**County Summary:** Los Angeles

**Lat/Long:** 33.74529° / -118.35486°      **Township:** 05S  
**UTM:** Zone-11 N3734739 E374504      **Range:** 14W  
**Mapping Precision:** NON-SPECIFIC      **Section:** 16      **Qtr:** XX  
**Symbol Type:** POLYGON      **Meridian:** S  
**Area:**      **Elevation:** 800 ft

**Location:** BOUNDED BY ABALONE COVE, PORTUGUESE BEND, SAN PEDRO HILL, ROLLING HILLS, & ALTAMIRA CYN ON PALOS VERDES PENINSULA.

**Location Detail:** KLONDIKE CANYON IS CRITICAL TO SURVIVAL OF GNATCATCHERS ON PALOS VERDES PENINSULA. UPDATED WITH 44 FWS 80M POLYGONS. 2000 SITE NAME UPPER FILIORUM. 2006 SITE NAME PORTUGUESE BEND NATURE PRESERVE.

**Ecological:** HABITAT: COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ATRIPLEX LENTIFORMIS, ENCELIA CALIFORNICA, RHUS INTEGRIFOLIA, AND SALVIA MELLIFERA. MANY AREAS NOW NATURE & OPEN SPACE PRESERVES (PVPLC.ORG).

**Threat:** THREATENED BY URBAN DEVELOPMENT AND FREE-ROAMING DOMESTIC CATS.

**General:** 1980: 5 PRS & 3 INDIV, EST 15-25 PRS. 1990: 21 INDIV, 5 TERR. 1992: 4 BREEDING INDIV. 1995: 11 PRS. 1996: 3 BREEDING PRS. 2000: 2 PRS (NAT. RES. CONSULT.). 2006: 121 DETECTIONS (DUDEK).

**Owner/Manager:** CITY OF RANCHO PALOS VERDES

**Sources**

- ATW80U0001 ATWOOD, JONATHAN L. CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX.
- ATW95R0001 ATWOOD, J., C. REYNOLDS, M. FUGAGLI & S. TSAI. CALIFORNIA GNATCATCHERS, CACTUS WRENS, AND CONSERVATION OF COASTAL SAGE SCRUB ON THE PALOS VERDES PENINSULA. 1995-11-01.
- ATW98A0001 ATWOOD, J.L. ET AL. DISTRIBUTION AND POPULATION SIZE OF CALIFORNIA GNATCATCHER ON THE PALOS VERDES PENINSULA, 1993-1997. 1998-07-06.
- FWS07D0001 U.S. FISH & WILDLIFE SERVICE, CARLSBAD OFFICE. USFWS CARLSBAD SPECIAL STATUS SPECIES DATABASE, AUGUST 2007 VERSION. 2007-08-09.
- GAR90A0001 GARRETT, KIMBALL L. & BRIAN E. DANIELS. "STATUS OF THE CALIFORNIA GNATCATCHER ON THE PALOS VERDES PENINSULA" (WESTERN Tanager, VOL 57, NO 2, OCT 1990). 1990-10-XX.
- MOR92F0001 MORTON, JESS. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA ON PALOS VERDES PENINSULA (#108). 1992-03-28.
- WOL96F0003 WOLF, ADRIAN. FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA. 1996-03-01.

**Southern Coastal Bluff Scrub**

Element Code: CTT31200CA

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** None **Global:** G1  
**State:** None **State:** S1.1

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_  
**General:**  
**Micro:**

**Occurrence No.** 23 **Map Index:** 17053 **EO Index:** 9609 **— Dates Last Seen —**  
**Occ Rank:** Unknown **Element:** 1990-09-01  
**Origin:** Natural/Native occurrence **Site:** 1990-09-01  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 1998-07-13

**Quad Summary:** San Pedro (3311863/073A), Redondo Beach (3311874/090C)  
**County Summary:** Los Angeles

**Lat/Long:** 33.75515° / -118.41529° **Township:** 05S  
**UTM:** Zone-11 N3735907 E368922 **Range:** 15W  
**Mapping Precision:** NON-SPECIFIC **Section:** XX **Qtr:** XX  
**Symbol Type:** POLYGON **Meridian:** S  
**Area:** **Elevation:** 40 ft

**Location:** BLUFFS OF PALOS VERDES PENINSULA FROM MALAGA COVE TO CABRILLO BEACH.  
**Location Detail:** ALONG BLUFFS AND STEEP SLOPES OF IMMEDIATE COAST; DISTRIBUTION PATCHY WITHIN BOUNDED AREA DUE TO DEVELOPMENT AND DISTURBANCE.  
**Ecological:** NATIVE SPP INCLUDE RHUS INTEGRIFOLIA, ENCELIA CA, ISOCOMA MENZIESII, LYCIUM CALIFORNICA, ATRIPLEX LENTIFORMIS, ISOMERIS, OPUNTIA SPP., ERIOGONUM CINEREUM, DUDLEYA VIRENS; W/LOWER PORTIONS OF SLOPES, SUAEDA CALIFORNICA. 15-90% COVER.  
**Threat:** DEVELOPMENT AND DISTURBANCE ASSOCIATED WITH RECREATION, INVASIVE EXOTICS.  
**General:** CONDITION AND COMPOSITION VARIES ALONG THE PENINSULA; LARGE PORTIONS WITH INVASIVE EXOTICS. THIS WAS OCC #023 OF CTT31200CA.  
**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_  
 BRI90F0002 BRINKMANN-BUSI, A. FIELD SURVEY FORM FOR DUDLEYA VIRENS SSP. INSULARIS. 1990-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.** 16      **Map Index:** 02005      **EO Index:** 25695      **Dates Last Seen**  
**Occ Rank:** None      **Element:** 1985-07-31  
**Origin:** Natural/Native occurrence      **Site:** 1987-XX-XX  
**Presence:** Extirpated  
**Trend:** Unknown      **Record Last Updated:** 1998-10-20

**Quad Summary:** Torrance (3311873/090D), San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.75057° / -118.25508°      **Township:** 05S  
**UTM:** Zone-11 N3735207 E383754      **Range:** 13W  
**Mapping Precision:** NON-SPECIFIC      **Section:** XX      **Qtr:** XX  
**Symbol Type:** POINT      **Meridian:** S  
**Radius:** 1/5 mile      **Elevation:** 5 ft

**Location:** REEVES FIELD ON TERMINAL ISLAND. TAKE TERMINAL ISLAND FREEWAY TO SEASIDE BLVD.

**Location Detail:**

**Ecological:** SITE NOW A PARKING AREA FOR IMPORTED CARS.

**Threat:** LANDFILL & GRADING DISRUPTED COLONY IN 1973 & 74. AREA PAVED AS A PARKING LOT PRIOR TO 1987 SEASON & COLONY EXTIRPATED.

**General:** 1974:10-12 PR; 1975: 24 PR; 1976: 60 PR ~ 80 FLEDGED; 1977: 85 PR, ~80 FLEDGED; 0 PR 1978-80 & 1982. 1981: ~45 PR, ~ 7 FLEDGED. 46 NESTS IN 1983, GOOD FLEDGING. 28 NESTS IN 1984, MOST YOUNG LOST TO KESTREL. 23 NESTS IN 1985.

**Owner/Manager:** PVT

**Sources**

- ATW77R0001 ATWOOD, JONATHAN L. ET AL. CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY, 1977, CALIFORNIA DEPARTMENT OF FISH & GAME, 1977. 1977-XX-XX.
- BEN74R0001 BENDER, KRISTEN. CALIFORNIA LEAST TERN POPULATION AND NESTING SURVEY, 1974, CALIFORNIA DEPARTMENT OF FISH & GAME, 1974. 1974-XX-XX.
- BEN76R0001 BENDER, K. ET AL. CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY. 1976-XX-XX.
- COO79R0001 COOPER, ELIZABETH. LEAST TERN BREEDING SEASON IN SAN DIEGO CO. 1979-XX-XX.
- FWS82U0001 U.S. FISH & WILDLIFE SERVICE. THREAT TO CALIFORNIA LEAST TERN DEFUSED BY COORDINATION. ENDANGERED SPECIES TECHNICAL BULLETIN VOL. VII NO. 12. 1982-12-XX.
- MAS75R0001 MASSEY, B. CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY. 1975-09-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.
- 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.



***Sternula antillarum browni***

California least tern

Element Code: ABNNM08103

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> Endangered	<b>Global:</b> G4T2T3Q	<b>CDFG Status:</b>
<b>State:</b> Endangered	<b>State:</b> 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.

<b>Occurrence No.</b> 20	<b>Map Index:</b> 02190	<b>EO Index:</b> 25690	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1977-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1977-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1998-10-20

**Quad Summary:** Long Beach (3311872/089C)  
**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.75511° / -118.13792°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3735585 E394612	<b>Range:</b> 12W
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 09 <b>Qtr:</b> N
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 80 meters	<b>Elevation:</b> 10 ft

**Location:** BELMONT SHORE BEACH AT FOOT OF CORONA AVE, LONG BEACH.  
**Location Detail:**  
**Ecological:** SITE SERVES AS A NIGHT ROOST FOR UP TO 280 TERNS, BEFORE AND AFTER NESTING.  
**Threat:**  
**General:** MANY FLEDGLINGS PRESENT (UP TO 25%) AFTER NESTING.  
**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

ATW77R0001    ATWOOD, JONATHAN L. ET AL. CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY, 1977, CALIFORNIA DEPARTMENT OF FISH & GAME, 1977. 1977-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.** 63      **Map Index:** 02008      **EO Index:** 25657      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1996-08-01  
**Origin:** Natural/Native occurrence      **Site:** 1996-08-01  
**Presence:** Presumed Extant  
**Trend:** Increasing      **Record Last Updated:** 1998-10-20

**Quad Summary:** San Pedro (3311863/073A), Long Beach (3311872/089C)

**County Summary:**

**Lat/Long:** 33.73862° / -118.25258°      **Township:** 99X  
**UTM:** Zone-11 N3733879 E383970      **Range:** 99X  
**Mapping Precision:** NON-SPECIFIC      **Section:** XX      **Qtr:** XX  
**Symbol Type:** POINT      **Meridian:** S  
**Radius:** 1/5 mile      **Elevation:**

**Location:** TERMINAL ISLAND LANDFILL SITE SOUTH OF FERRY STREET & EAST OF EARLE STREET (AKA FERRY STREET SITE).

**Location Detail:**

**Ecological:** SITE CREATED BY INTRODUCTION OF NEW LANDFILL IN ABOUT 1980.

**Threat:** THREATS INCLUDE HARRASSMENT BY CROWS; CROW ERADICATION NEEDED IF COLONY IS TO SURVIVE. FERAL CATS ALSO A PROBLEM.

**General:** 1982: 70 NESTS, 15 FLDGD; 1983: 45 NESTS, 30 FLDGD; 1984: 105 NESTS, GOOD FLDGNG; 1985: 76 NESTS, GOOD FLDGNG; 1987: 40 PR, POOR FLDGNG. 1988: 4-6 PR, ABANDONED. 1990: 32 PR, 12 FLDGD. 1991: 2 PR. 1992: 0 PR. 1996: 56 PR, 50 FLDGD.

**Owner/Manager:** DOD-NAVY

**Sources**

- CAF93R0001      CAFFREY, CAROLEE. CALIFORNIA LEAST TERN BREEDING SURVEY 1992 SEASON. NONGAME BIRD AND MAMMAL SECTION REPORT, 93-11. 1993-XX-XX.
- CAF98R0001      CAFFREY, CAROLEE. CALIFORNIA LEAST TERN BREEDING SURVEY 1996 SEASON. BIRD AND MAMMAL CONSERVATION PROGRAM REPORT, 98-2. 1998-XX-XX.
- COL87R0001      COLLINS, C.T. END OF SEASON REPORT, CALIFORNIA LEAST TERN FIELD STUDY, 1987 FIELD SEASON. (DRAFT). 1987-XX-XX.
- JOH92R0001      JOHNSTON, SCOTT M. & BRYAN S. OBST. CALIFORNIA LEAST TERN BREEDING SURVEY 1991 SEASON. NONGAME BIRD AND MAMMAL SECTION REPORT, 92-06. 1992-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.
- OBS92R0001      OBST, BRYAN S. & SCOTT M. JOHNSTON. CALIFORNIA LEAST TERN BREEDING SURVEY 1990 SEASON.

***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.

\_\_\_\_\_ **Sources** \_\_\_\_\_

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

***Suaeda esteroa***

estuary seablite

Element Code: PDCHE0P0D0

_____ <b>Status</b> _____	_____ <b>NDDB Element Ranks</b> _____	_____ <b>Other Lists</b> _____
<b>Federal:</b> None	<b>Global:</b> G4	<b>CNPS List:</b> 1B.2
<b>State:</b> None	<b>State:</b> S3.2	

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MARSHES AND SWAMPS.

**Micro:** COASTAL SALT MARSHES IN CLAY, SILT, AND SAND SUBSTRATES. 0-5M.

<b>Occurrence No.</b> 17	<b>Map Index:</b> 34592	<b>EO Index:</b> 48871	_____ <b>Dates Last Seen</b> _____
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1904-09-06
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1904-09-06
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-10-01

**Quad Summary:** Torrance (3311873/090D), San Pedro (3311863/073A)

**County Summary:** Los Angeles

<b>Lat/Long:</b> 33.73644° / -118.28092°	<b>Township:</b> 05S
<b>UTM:</b> Zone-11 N3733670 E381341	<b>Range:</b> 14W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1 mile	<b>Elevation:</b> 60 ft

**Location:** SAN PEDRO.

**Location Detail:** EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB IN GENERAL VICINITY OF SAN PEDRO.

**Ecological:**

**Threat:** DEVELOPMENT.

**General:** SITE ALSO REPRESENTED BY CITATION IN REISER'S 'RARE PLANTS OF SAN DIEGO COUNTY' (2001). NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

\_\_\_\_\_ **Sources** \_\_\_\_\_

- ABR04S0003 ABRAMS. ABRAMS #4195 DS, POM (CITED IN FER83A01). 1904-09-06.
- 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.
- REI01B0001 REISER, C. RARE PLANTS OF SAN DIEGO COUNTY. 2001-07-XX.

***Suaeda esteroa***

estuary seablite

Element Code: PDCHE0P0D0

**Status**

Federal: None  
 State: None

**NDDB Element Ranks**

Global: G4  
 State: S3.2

**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. 18

Map Index: 27997

EO Index: 48872

Dates Last Seen

Occ Rank: Unknown

Element: 1900-07-12

Origin: Natural/Native occurrence

Site: 1900-07-12

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-10-01

Quad Summary: Long Beach (3311872/089C)

County Summary: Los Angeles

Lat/Long: 33.77120° / -118.18868°

Township: 05S

UTM: Zone-11 N3737422 E389931

Range: 13W

Mapping Precision: NON-SPECIFIC

Section: 01 Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1 mile

Elevation: 20 ft

Location: LONG BEACH.

Location Detail: EXACT LOCATION NOT KNOWN, MAPPED BY CNDDDB IN GENERAL VICINITY OF LONG BEACH.

Ecological:

Threat:

General: "SAN PEDRO BAY" AS CITED IN REISER'S 'RARE PLANTS OF SAN DIEGO COUNTY' ATTRIBUTED TO THIS SITE (2001). NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

**Sources**

JON00S0001 JONES. JONES SN POM (CITED IN FER83A0001). 1900-07-21.

REI01B0001 REISER, C. RARE PLANTS OF SAN DIEGO COUNTY. 2001-07-XX.

**Tryonia imitator**

mimic tryonia (=California brackishwater snail)

Element Code: IMGASJ7040

**Status**

Federal: None  
 State: None

**NDDB Element Ranks**

Global: G2G3  
 State: S2S3

**Other Lists**

CDFG Status:

**Habitat Associations**

**General:** INHABITS COASTAL LAGOONS, ESTUARIES AND SALT MARSHES, FROM SONOMA COUNTY SOUTH TO SAN DIEGO COUNTY.

**Micro:** FOUND ONLY IN PERMANENTLY SUBMERGED AREAS IN A VARIETY OF SEDIMENT TYPES; ABLE TO WITHSTAND A WIDE RANGE OF SALINITIES.

Occurrence No. 30

Map Index: 57921

EO Index: 57937

— 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: 2004-11-05

**Quad Summary:** San Pedro (3311863/073A)

**County Summary:** Los Angeles

**Lat/Long:** 33.71045° / -118.30057°

**Township:** 05S

**UTM:** Zone-11 N3730811 E379485

**Range:** 14W

**Mapping Precision:** SPECIFIC

**Section:** 25 **Qtr:** XX

**Symbol Type:** POLYGON

**Meridian:** S

**Area:** 217.3 acres

**Elevation:** 50 ft

**Location:** SAN PEDRO BLUFFS.

**Location Detail:** USNM RECORD GIVES "NEAREST PLACE NAME" AS SAN PEDRO. FOUND IN PLEISTOCENE DEPOSITS ON SAN PEDRO BLUFFS.

**Ecological:**

**Threat:**

**General:** USNM # 153426 COLLECTED BY HEMPHILL, NO DATE GIVEN. LAST KNOWN COLLECTION 1870-1890. NO RECENT COLLECTIONS. EXTIRPATED AT THIS SITE, ACCORDING TO KELLOGG.

**Owner/Manager:** UNKNOWN

**Sources**

HER01A0001 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.

TAY78R0001 TAYLOR, D.W. REPORT PREPARED FOR U.S. ARMY CORPS OF ENGINEERS ON "THE CALIFORNIA BRACKISH-WATER SNAIL, TRYONIA IMITATOR". 1978-03-XX.

USN04S0013 UNITED STATES NATIONAL MUSEUM (SMITHSONIAN INSTITUTION). PRINTOUT OF TRYONIA IMITATOR SPECIMENTS IN THE SMITHSONIAN MUSEUM. 2004-12-06.