

APPENDIX D

Biota

California Department of Fish and Game
Natural Diversity Data Base

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BUFO CALIFORNICUS

ARROYO TOAD

Element Code: AAABB01111

-----List Status-----
Federal: Endangered
State: None

-----NEDB Element Ranks-----
Global: G2G3
State: S2S3

-----Other Lists-----
CDFG Status: SC

-----Habitat Associations-----

General: SEMI-ARID REGIONS NEAR WASHES OR INTERMITTENT STREAMS, INCLUDING VALLEY-FOOTHILL AND DESERT RIPARIAN, DESERT WASH, ETC.
Micro: RIVERS WITH SANDY BANKS, WILLOWS, COTTONWOODS, AND SYCAMORES; LOOSE, GRAVELLY AREAS OF STREAMS IN DRIER PARTS OF RANGE.

Occurrence No. 54 Map Index: 44189 ---Dates Last Seen--- Lat/Long: 34°12'51" / 118°37'32" Township: 02N
Occ Rank: None Element: 1970-06-XX UTM: Zone-11 N3786931 E350248 Range: 17W
Origin: Natural/Native occurrence Site: 1970-06-XX Precision: NON-SPECIFIC Section: 35 Qtr XX
Presence: Possibly Extirpated Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 148.2 ac Elevation:
Main Source: U.S. FISH & WILDLIFE SERVICE 1995 (PERS)
Quad Summary: CALABASAS (3411826/112B)*, CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: CHATSWORTH CREEK (DRAIN), CANOGA PARK, BELOW CHATSWORTH RESERVOIR, LOS ANGELES.
-----Comments-----
Distribution: MAPPED TO CHATSWORTH CREEK SINCE I WAS UNABLE FIND A CHATSWORTH DRAIN BELOW CHATSWORTH RESERVOIR.
Ecological:
Threat:
General: 1 SUBADULT OBSERVED, SPECIMEN AT UCSB, INDICATED AS PROBABLY EXTINCT.
Owner/Manager: UNKNOWN

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POLIOPTILA CALIFORNICA CALIFORNIA GNATCATCHER Element Code: ABFBJ08080		-----List Status----- Federal: Threatened State: None	-----NDDB Element Ranks----- Global: G3 State: S2	-----Other Lists----- CDFG Status: SC
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-----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. 35 Map Index:01722 ---Dates Last Seen--- Lat/Long: 33°59'26" / 118°22'55" Township: 02S
 Occ Rank: Unknown Element: 1980-XX-XX UTM: Zone-11 N3761774 E372359 Range: 14W
 Origin: Natural/Native occurrence Site: 1980-XX-XX Precision: NON-SPECIFIC Section: 16 Qtr SE
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 200 ft
 Main Source: ATWOOD, J. 1980 (LIT)
 Quad Summary: VENICE (3311884/090B)*, INGLEWOOD (3311883/090A), HOLLYWOOD (3411813/111D), BEVERLY HILLS (3411814/111C)
 County Summary: LOS ANGELES
 SNA Summary: Baldwin Hills
 Location: BALDWIN HILLS, VICINITY CULVER CITY
 -----Comments-----
 Distribution:
 Ecological: HABITAT IS COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA.
 Threat: THREATENED BY ONGOING URBAN DEVELOPMENT, AS MANY MAJOR HABITAT AREAS ARE OWNED BY LAND COMPANIES.
 General: ONE INDIVIDUAL OBSERVED; 1-3 FAIRS ESTIMATED.
 Owner/Manager: UNKNOWN

Occurrence No. 105 Map Index:01763 ---Dates Last Seen--- Lat/Long: 34°12'55" / 118°21'53" Township: 02N
 Occ Rank: Unknown Element: 1901-04-07 UTM: Zone-11 N3786687 E374290 Range: 14W
 Origin: Natural/Native occurrence Site: 1901-04-07 Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 800 ft
 Main Source: JAY, A. WEVZ (MUS)
 Quad Summary: BURBANK (3411823/111A)*, VAN NUYS (3411824/111B)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: ROSCO. (MAPPED AT ROSCOE SCHOOL)
 -----Comments-----
 Distribution:
 Ecological:
 Threat:
 General: EGG SET FROM A NEST IN SAGE.
 Owner/Manager: UNKNOWN

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ONCORHYNCHUS MYKISS IRIDEUS

SOUTHERN STEELHEAD - SOUTHERN CALIFORNIA ESU
Element Code: AFCHA0209J

-----List Status-----
Federal: Endangered
State: None

-----NDDP Element Ranks-----
Global: G5T2
State: S2

-----Other Lists-----
CDFG Status: SC

-----Habitat Associations-----

General: FED LISTING REFERS TO POPS FROM SANTA MARIA RIVER SOUTH TO SOUTHERN EXTENT OF RANGE (SAN MATEO CREEK IN SAN DIEGO CO.)
Micro: SOUTHERN STEELHEAD LIKELY HAVE GREATER PHYSIOLOGICAL TOLERANCES TO WARMER WATER & MORE VARIABLE CONDITIONS.

Occurrence No. 7 Map Index: 34074 ---Dates Last Seen--- Lat/Long: 34°04'08" / 118°35'10" Township: 01S
Occ Rank: Unknown Element: 1990-03-XX UTM: Zone-11 N3770737 E353646 Range: 16W
Origin: Natural/Native occurrence Site: 1990-03-XX Precision: NON-SPECIFIC Section: XX Qtr: XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 418.9 ac Elevation: 500 ft
Main Source: TITUS, R. & D. ERMAN 1994 (LIT)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: TOPANGA CREEK, APPROX. 4 MILES WEST NORTHWEST OF SANTA MONICA, TOPANGA STATE PARK AND STATE BEACH, TOPANGA AND FERNWOOD.

-----Comments-----

Distribution: TOPANGA CANYON FROM PACIFIC OCEAN UPSTREAM TO TOPANGA AND OLD TOPANGA CANYON TO HONDO CANYON.
Ecological: SOUTHERN SYCAMORE ALDER RIPARIAN WOODLAND, THICKETS OF HERBACEOUS UNDERSTORY IN MANY PLACES. THE STREAM'S HIGH-GRADIENT ASPECT, AND A WIDE BEACH AT THE MOUTH, MAY RESULT IN STEELHEAD PASSAGE PROBLEMS UNDER LOW FLOW CONDITIONS.
Threat:
General: STEELHEAD FROM 10-32 CM OBSERVED IN 1979. ADULTS FOUND IN POOLS UPSTREAM OF LAGOON IN 1990. TOPANGA CREEK HAS RELATIVELY HIGH POTENTIAL FOR STEELHEAD RESTORATION, BASED ON OBSERVED FLOW, SUBSTRATE, STREAM MORPHOLOGY, & RIPARIAN CONDITIONS.
Owner/Manager: DPR, PVT, CITY OF LOS ANGELES

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CLEMMYS MARMORATA PALLIDA
SOUTHWESTERN POND TURTLE
Element Code: ARAAD02032

-----List Status-----NDDB Element Ranks-----Other Lists-----
Federal: None Global: G4T2T3 CDFG Status: SC
State: None State: S2

-----Habitat Associations-----

General: INHABITS PERMANENT OR NEARLY PERMANENT BODIES OF WATER IN MANY HABITAT TYPES; BELOW 6000 FT ELEV.
Micro: REQUIRE BASKING SITES SUCH AS PARTIALLY SUBMERGED LOGS, VEGETATION MATS, OR OPEN MUD BANKS. NEED SUITABLE NESTING SITES.

* SENSITIVE *

Occurrence No. 109 Map Index: ---Dates Last Seen--- Lat/Long: / Township:
Occ Rank: Unknown Element: 1955-09-18 UTM: Range:
Origin: Natural/Native occurrence Site: 1955-09-18 Precision: Section: Qtr
Presence: Presumed Extant Symbol Type: Meridian:
Trend: Unknown Radius: Elevation:
Main Source: BRODE, J. ND (PERS)
Quad Summary: TOPANGA (3411815/112D)*, MALIBU BEACH (3411816/112C)
County Summary: LOS ANGELES
SNA Summary:
Location: *SENSITIVE* Location information suppressed.

-----Comments-----

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

Ecological:

Threat:

General:

Owner/Manager:

* SENSITIVE *

Occurrence No. 129 Map Index: ---Dates Last Seen--- Lat/Long: / Township:
Occ Rank: None Element: 1917-05-11 UTM: Range:
Origin: Natural/Native occurrence Site: 1987-XX-XX Precision: Section: Qtr
Presence: Possibly Extirpated Symbol Type: Meridian:
Trend: Unknown Radius: Elevation:
Main Source: BRODE, J. ND (PERS)
Quad Summary: BURBANK (3411823/111A)*, VAN NUYS (3411824/111B)
County Summary: LOS ANGELES
SNA Summary:
Location: *SENSITIVE* Location information suppressed.

-----Comments-----

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

Ecological:

Threat:

General:

Owner/Manager:

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Natural Diversity Data Base

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<p><i>PHRYNOSOMA CORONATUM BLAINVILLEI</i> SAN DIEGO HORNED LIZARD Element Code: ARACF12021</p>		<p>-----List Status----- Federal: None State: None</p>	<p>-----NDDB Element Ranks----- Global: G4T3T4 State: S2S3</p>	<p>-----Other Lists----- CDFG Status: SC</p>
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-----Habitat Associations-----
General: INEABITS COASTAL SAGE SCRUB AND CHAPARRAL IN ARID AND SEMI-ARID CLIMATE CONDIT
Micro: PREFERS FRIABLE, ROCKY, OR SHALLOW SANDY SOILS.

Occurrence No. 46 Map Index:01611 ---Dates Last Seen--- Lat/Long: 34°06'49" / 118°24'50" Township: 01S
 Occ Rank: Unknown Element: 1916-06-04 UTM: Zone-11 N3775460 E369596 Range: 15W
 Origin: Natural/Native occurrence Site: 1916-06-04 Precision: NON-SPECIFIC Section: 02 Qtr NE
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 1000 ft
 Main Source: MCGURTY, B. 1980 (LIT)
 Quad Summary: BEVERLY HILLS (3411814/111C)*, VAN NUYS (3411824/111B)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: FRANKLIN CANYON.
 -----Comments-----
 Distribution:
 Ecological:
 Threat:
 General: LACM #4292 FROM MCGURTY 1980 REPT TO CDFG.
 Owner/Manager: UNKNOWN

Occurrence No. 120 Map Index:00828 ---Dates Last Seen--- Lat/Long: 34°05'23" / 118°38'30" Township: 01S
 Occ Rank: Unknown Element: 198X-XX-XX UTM: Zone-11 N3773125 E348543 Range: 17W
 Origin: Natural/Native occurrence Site: 198X-XX-XX Precision: NON-SPECIFIC Section: 10 Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 1800 ft
 Main Source: GIBSON, A. & T. BROTHERS 1984 (LIT)
 Quad Summary: MALIBU BEACH (3411816/112C)*, TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary: Upper Cold Creek Canyon
 Location: STUNTS RANCH AND COLD CREEK PRESERVE.
 -----Comments-----
 Distribution: OBSERVATION INCLUDED IN A CHECKLIST OF THE FAUNA OF THE COLD CREEK WATERSHED, SANTA MONICA MTS. ELEV 1000 TO 2100 FT.
 Ecological:
 Threat:
 General: COLD CREEK PRESERVE RECENTLY TRANSFERRED FROM TNC TO THE MOUNTAINS RESTORATION TRUST (MRT).
 Owner/Manager: SANTA MONICA MINS CONS, PVT

Occurrence No. 126 Map Index:00835 ---Dates Last Seen--- Lat/Long: 34°07'41" / 118°38'14" Township: 01N
 Occ Rank: Unknown Element: XXXX-XX-XX UTM: Zone-11 N3777375 E349030 Range: 17W
 Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Section: 35 Qtr NW
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 1200 ft
 Main Source: BRODE, J. 1986 (PERS)
 Quad Summary: CALABASAS (3411826/112B)*, TOPANGA (3411815/112D), MALIBU BEACH (3411816/112C), CANOGA PARK (3411825/112A)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: TOPANGA CANYON; WEST RIDGE, 2.5 MI SW WOODLAND HILLS.
 -----Comments-----
 Distribution:
 Ecological:
 Threat:
 General: LACM SPECIMEN. DATE OF COLLECTION UNKNOWN.
 Owner/Manager: UNKNOWN

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PHRYNOSOMA CORONATUM BLAINVILLEI (cont.)

SAN DIEGO HORNED LIZARD

Element Code: ARACF12021

-----List Status-----

Federal: None

State: None

-----NDDE Element Ranks-----

Global: G4T3T4

State: S2S3

-----Other Lists-----

CDFG Status: SC

Occurrence No. 142 Map Index:01438 ---Dates Last Seen--- Lat/Long: 34°13'50" / 118°27'29" Township: 02N
 Occ Rank: None Element: XXXX-XX-XX UTM: Zone-11 N3788499 E365706 Range: 15W
 Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 830 ft
 Main Source: BRCDE, J. 1986 (PERS)
 Quad Summary: VAN NUYS (3411824/111B)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: PACOIMA WASH, SAN FERNANDO VALLEY.
 -----Comments-----
 Distribution:
 Ecological:
 Threat:
 General: LACM SPECIMEN #19854; COLLECTION DATE UNKNOWN.
 Owner/Manager: UNKNOWN

Occurrence No. 407 Map Index:26373 ---Dates Last Seen--- Lat/Long: 34°06'18" / 118°36'26" Township: 01S
 Occ Rank: Good Element: 1993-04-25 UTM: Zone-11 N3774769 E351751 Range: 17W
 Origin: Natural/Native occurrence Site: 1993-04-25 Precision: SPECIFIC Section: 01 Qtr SE
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
 Trend: Unknown Area: 11.1 ac Elevation: 1400 ft
 Main Source: CARROLL, D. 1993 (OBS)
 Quad Summary: TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: GREENLEAF CANYON, 1 MILE NORTH OF TOPANGA CANYON BLVD, SANTA MONICA MOUNTAINS.
 -----Comments-----
 Distribution: LOCATED ALONG AN UNPAVED ACCESS ROAD.
 Ecological: HABITAT CONSISTS OF COASTAL SAGE SCRUB ON LOOSE, COARSE, SANDY SOIL; ASSOCIATED PLANTS INCLUDE LOTUS SCOPARIUS
 SCOPARIUS AND ADENOSTOMA FASCICULATUM.
 Threat: THREATENED BY DEVELOPMENT.
 General: 2 ADULTS AND 2 JUVENILES WERE OBSERVED ON 25 APRIL 1993.
 Owner/Manager: PVT

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CNEMIDOPHROS TIGRIS MULTISCUTATUS

COASTAL WESTERN WHIPTAIL
Element Code: ARACJ02140

-----List Status-----
Federal: None
State: None

-----NDDB Element Ranks-----
Global: G4T3T4
State: S2S3

-----Other Lists-----
CDFG Status:

-----Habitat Associations-----

General: FOUND IN DESERTS & SEMIARID AREAS WITH SPARSE VEGETATION AND OPEN AREAS. ALSO FOUND IN WOODLAND & RIPARIAN AREAS.
Micro: GROUND MAY BE FIRM SOIL, SANDY, OR ROCKY.

Occurrence No. 7 Map Index:26374 ---Dates Last Seen--- Lat/Long: 34°06'24" / 118°36'29" Township: 01S
Occ Rank: Good Element: 1993-04-25 UTM: Zone-11 N3774950 E351673 Range: 17W
Origin: Natural/Native occurrence Site: 1993-04-25 Precision: SPECIFIC Section: 01 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 80 meters Elevation: 1400 ft
Main Source: CARROLL, D. 1993 (OBS)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: GREENLEAF CANYON, 1 MILE NORTH OF TOPANGA CANYON BLVD, SANTA MONICA MOUNTAINS.

-----Comments-----

Distribution: LOCATED ALONG AN UNPAVED ACCESS ROAD.
Ecological: HABITAT CONSISTS OF CLEARED AREAS OF CHAPARRAL ON A SANDY/ROCKY SUBSTRATE.
Threat: THREATENED BY DEVELOPMENT.
General: 2 INDIVIDUALS OBSERVED ON 25 APRIL 1993.
Owner/Manager: PVT

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LAMPROPELTIS ZONATA PULCHRA
SAN DIEGO MOUNTAIN KINGSSNAKE
Element Code: ARADB19063

-----List Status-----
Federal: None
State: None

-----NDDB Element Ranks-----
Global: G4T1T2
State: S1S2

-----Other Lists-----
CDFG Status: SC

-----Habitat Associations-----

General: RESTRICTED TO THE SAN GABRIEL AND SAN JACINTO MTS OF SOUTHERN CALIFORNIA.

Micro: INHABITS A VARIETY OF HABITATS, INCLUDING VALLEY-FOOTHILL HARDWOOD, CONIFEROUS, CHAPARRAL, RIPARIAN, AND WET MEADOWS.

Occurrence No. 5 Map Index:00828 ---Dates Last Seen--- Lat/Long: 34°05'23" / 118°38'30" Township: 01S
Occ Rank: Unknown Element: 198X-XX-XX UTM: Zone-11 N3773125 E348543 Range: 17W
Origin: Natural/Native occurrence Site: 198X-XX-XX Precision: NON-SPECIFIC Section: 10 Q1r XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 1800 ft
Main Source: GIBSON, A. & T. BROTHERS 1984 (LIT)
Quad Summary: MALIBU BEACH (3411816/112C)*, TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary: Upper Cold Creek Canyon
Location: STUNTS RANCH AND COLD CREEK PRESERVE.
-----Comments-----
Distribution:
Ecological: ELEV 1000 TO 2100 FEET.
Threat:
General: OBSERVATION INCLUDED IN A CHECKLIST OF THE FAUNA OF THE COLD CREEK WATERSHED, SANTA MONICA MNS. COLD CREEK
PRESERVE RECENTLY TRANSFERRED FROM TNC TO THE MOUNTAINS RESTORATION TRUST.
Owner/Manager: SANTA MONICA MNS CONS, PVT

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RIVERSIDIAN ALLUVIAL PAN SAGE SCRUB

Element Code: CTT32720CA

-----List Status-----
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

-----Other Lists-----

-----Habitat Associations-----

General: None for this Element
Micro: None for this Element

Occurrence No. 27 Map Index: C1639 ---Dates Last Seen--- Lat/Long: 34°14'24" / 118°24'20" Township: 02N
Occ Rank: Unknown Element: 1978-09-19 UTM: Zone-11 N3789463 E370551 Range: 15W
Origin: Natural/Native occurrence Site: 1978-09-19 Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Decreasing Area: 92.9 ac Elevation: 880 ft
Main Source: HOLLAND, R. 1988 (MAP)
Quad Summary: VAN NJYS (3411824/111B)
County Summary: LOS ANGELES
SNA Summary:
Location: TUJUNGA WASH, BTWN HANSEN & TUJUNGA SPREADING GROUNDS, SAN FERNANDO VALLEY.
-----Comments-----
Distribution: SHOWN EXTANT, 1978, PER INTERPRETATION OF AERIAL PHOTOS BUT ONLY PORTION OF 1935 AREA REMAINING.
Ecological: SCRUB OF LEPIDOSPARTUM SQUAMATUM, ERIOGONUM FASCICULATUM & LOTUS SCOPARIUS.
Threat: GRAVEL PIT IN AREA.
General: THIS WAS OCC #027 OF CTT32720CA.
Owner/Manager: UNKNOWN

SOUTHERN COAST LIVE OAK RIPARIAN FOREST

Element Code: CTT61310CA

-----List Status----- NDDB Element Ranks -----Other Lists-----
Federal: None Global: G4
State: None State: S4

-----Habitat Associations-----

General: None for this Element
Micro: None for this Element

Occurrence No. 249 Map Index: 17125 ---Dates Last Seen--- Lat/Long: 34°07'07" / 119°29'25" Township: 01S
Occ Rank: Good Element: 1989-05-XX UTM: Zone-11 N3776102 E362563 Range: 15W
Origin: Natural/Native occurrence Site: 1989-05-XX Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 18.3 ac Elevation: 1300 ft
Main Source: JONES, S. & J. BOWLAND 1989 (OBS)
Quad Summary: BEVERLY HILLS (3411914/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: SANTA MONICA MINS, W OF HWY 405 AND SEPULVEDA BLVD, E OF MANDEVILLE CYN, TRIB 2.1 MI N OF MOUNT ST. MARYS COLLEGE

-----Comments-----

Distribution: THIN BAND OF COMMUNITY FOUND IN DRAINAGES. NEIGHBORING COMMUNITIES ARE CEANOTHUS MEGACARPUS CHAPARRAL AND CALIFORNIA WALNUT WOODLAND.
Ecological: OPEN EVEN-AGED RIPARIAN WOODLAND DOMINATED BY QUERCUS AGRIFOLIA. WITH UNDERSTORY OF SYMPHORICARPOS MOLLIS AND RICH HERB LAYER.
Threat: ADJACENT TO CLOSED LANDFILL.
General: HISTORY OF HUMAN AND FIRE IMPACTS. THIS WAS OCC #249 OF CTT61310CA.
Owner/Manager: UNKNOWN

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SOUTHERN SYCAMORE ALDER RIPARIAN WOODLAND

Element Code: CTT62400CA

-----List Status----- NDDB Element Ranks -----Other Lists-----
Federal: None Global: G4
State: None State: S4

-----Habitat Associations-----
General: None for this Element
Micro: None for this Element

Occurrence No. 9 Map Index:00914 ---Dates Last Seen--- Lat/Long: 34°03'11" / 118°35'48" Township: 01S
Occ Rank: Unknown Element: 1987-XX-XX UTM: Zone-11 N3769004 E352645 Range: 16W
Origin: Natural/Native occurrence Site: 1987-XX-XX Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 150.8 ac Elevation: 1000 ft
Main Source: ALLEN, L. 1987 (LIT)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: TUNA CANYON, U/S OF LAS TUNAS BEACH. WEST OF TOPANGA STATE PARK.
-----Comments-----
Distribution:
Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA.
THICKETS OF HERBACEOUS UNDERSTORY PLANTS IN MANY PLACES. VEGETATION COMPOSITION OF THIS STAND UNKNOWN.
Threat:
General: THIS WAS OCC #009 OF CTT62400CA.
Owner/Manager: UNKNOWN

Occurrence No. 10 Map Index:00927 ---Dates Last Seen--- Lat/Long: 34°04'40" / 118°35'33" Township: 01S
Occ Rank: Unknown Element: 1987-XX-XX UTM: Zone-11 N3771740 E353053 Range: 16W
Origin: Natural/Native occurrence Site: 1987-XX-XX Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 211.5 ac Elevation: 700 ft
Main Source: ALLEN, L. 1987 (LIT)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: TOPANGA CANYON AND TRIBUTARIES FROM JUST U/S OF FERNWOOD TO ABOUT 1.75 MI D/S OF FERNWOOD.
-----Comments-----
Distribution:
Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA.
THICKETS OF HERBACEOUS UNDERSTORY PLANTS IN MANY PLACES. VEGETATION COMPOSITION OF THIS PARTICULAR STAND
UNKNOWN.
Threat:
General: THIS WAS OCC #010 OF CTT62400CA.
Owner/Manager: DPR-TOPANGA SP, UNKNOWN

Occurrence No. 11 Map Index:00967 ---Dates Last Seen--- Lat/Long: 34°03'02" / 118°34'52" Township: 01S
Occ Rank: Unknown Element: 1987-XX-XX UTM: Zone-11 N3768690 E354069 Range: 16W
Origin: Natural/Native occurrence Site: 1987-XX-XX Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 123.7 ac Elevation: 175 ft
Main Source: ALLEN, L. 1987 (LIT)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: TOPANGA CANYON, FROM HWY 1 U/S ABOUT 1.5 MI, ALONG HWY 27.
-----Comments-----
Distribution:
Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA.
THICKETS OF HERBACEOUS UNDERSTORY IN MANY PLACES. VEGETATION COMPOSITION OF THIS PARTICULAR STAND UNKNOWN.
Threat:
General: THIS WAS OCC #011 OF CTT62400CA.
Owner/Manager: UNKNOWN

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SOUTHERN SYCAMORE ALDER RIPARIAN WOODLAND (cont.)

Element Code	List Status	NDDB Element Ranks	Other Lists
CTT62400CA	Federal: None State: None	Global: G4 State: S4	

Occurrence No. 12	Map Index: 01008	---Dates Last Seen---	Lat/Long: 34°05'11" / 118°33'58"	Township: 01S
Occ Rank: Unknown		Element: 1987-XX-XX	UTM: Zone-11 N3772637 E355521	Range: 16W
Origin: Natural/Native occurrence		Site: 1987-XX-XX	Precision: SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: S
Trend: Unknown			Area: 272.1 ac	Elevation: 175 ft
Main Source: ALLEN, L. 1987 (LIT)				
Quad Summary: TOPANGA (3411815/112D)				
County Summary: LOS ANGELES				
SNA Summary:				
Location: SANTA YNEZ CANYON & SEVERAL TRIBUTARIES INCL QUARRY CANYON.				
---Comments---				
Distribution:				
Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA. THICKETS OF HERBACEOUS UNDERSTORY PLANTS IN MANY PLACES. VEGETATION COMPOSITION OF THIS PARTICULAR STAND UNKNOWN.				
Threat:				
General: THIS WAS OCC #012 OF CTT62400CA.				
Owner/Manager: DPR-TOPANGA SP, UNKNOWN				

Occurrence No. 14	Map Index: 01157	---Dates Last Seen---	Lat/Long: 34°06'15" / 118°31'38"	Township: 01S
Occ Rank: Good		Element: 1987-XX-XX	UTM: Zone-11 N3774555 E359131	Range: 16W
Origin: Natural/Native occurrence		Site: 1989-07-10	Precision: SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: S
Trend: Unknown			Area: 198.6 ac	Elevation: 625 ft
Main Source: ALLEN, L. 1987 (LIT)				
Quad Summary: TOPANGA (3411815/112D)				
County Summary: LOS ANGELES				
SNA Summary:				
Location: RUSTIC CANYON AND TRIBUTARIES FROM THE NOE & SE OF UC COWLES TEMESCAL CYN RESERVE TO THE NORTHERN END OF THE CANYON.				
---Comments---				
Distribution: LIMITED TO THE FLOOR OF THE VALLEY. A FEW PATCHES OF SOUTHERN WILLOW SCRUB INTERSPERSED.				
Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA. THICKETS OF HERBACEOUS UNDERSTORY PLANTS IN MANY PLACES. VEGETATION COMPOSITION OF THIS PARTICULAR STAND UNKNOWN.				
Threat: LIGHT RECREATIONAL USE.				
General: THIS WAS OCC #014 OF CTT62400CA.				
Owner/Manager: DPR-TOPANGA SP, UNKNOWN				

Occurrence No. 15	Map Index: 01211	---Dates Last Seen---	Lat/Long: 34°03'51" / 118°30'22"	Township: 01S
Occ Rank: Unknown		Element: 1987-XX-XX	UTM: Zone-11 N3770086 E361004	Range: 16W
Origin: Natural/Native occurrence		Site: 1987-XX-XX	Precision: SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: S
Trend: Unknown			Area: 155.2 ac	Elevation: 700 ft
Main Source: ALLEN, L. 1987 (LIT)				
Quad Summary: TOPANGA (3411815/112D)				
County Summary: LOS ANGELES				
SNA Summary:				
Location: RUSTIC CANYON, FROM SUNSET BLVD U/S TO ABOUT 0.2 MI D/S FROM CAMP JOSEPHO. TOPANGA SP.				
---Comments---				
Distribution:				
Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA. THICKETS OF HERBACEOUS UNDERSTORY PLANTS IN MANY PLACES. VEGETATION COMPOSITION OF THIS PARTICULAR STAND UNKNOWN.				
Threat:				
General: THIS WAS OCC #015 OF CTT62400CA.				
Owner/Manager: DPR-TOPANGA SP				

SOUTHERN SYCAMORE ALDER RIPARIAN WOODLAND (cont.)

Element Code: CTT62400CA

-----List Status-----NDDB Element Ranks-----Other Lists-----
 Federal: None Global: G4
 State: None State: S4

Occurrence No. 16 Map Index:01191 ---Dates Last Seen--- Lat/Long: 34°06'03" / 118°31'12" Township: 01S
 Occ Rank: Good Element: 1987-XX-XX UTM: Zone-11 N3774178 E359791 Range: 16W
 Origin: Natural/Native occurrence Site: 1989-07-20 Precision: SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
 Trend: Unknown Area: 153.2 ac Elevation: 800 ft
 Main Source: ALLEN, L. 1987 (LIT)
 Quad Summary: TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: SULLIVAN CANYON N OF PACIFIC PALISADES, E & NE OF CAMP JOSEPHO.
 -----Comments-----
 Distribution: RESTRICTED TO THE VALLEY FLOOR.
 Ecological: CHARACTERISTIC TREES IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA.
 THICKETS OF HERBACEOUS UNDERSTORY PLANTS IN MANY PLACES. VEGETATION COMPOSITION OF THIS PARTICULAR STAND
 UNKNOWN.
 Threat: LIGHT RECREATIONAL USE.
 General: THIS WAS OCC #016 OF CTT62400CA.
 Owner/Manager: UNKNOWN

Occurrence No. 17 Map Index:01110 ---Dates Last Seen--- Lat/Long: 34°04'37" / 118°32'23" Township: 01S
 Occ Rank: Unknown Element: 1987-XX-XX UTM: Zone-11 N3771562 E357929 Range: 16W
 Origin: Natural/Native occurrence Site: 1987-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 1150 ft
 Main Source: ALLEN, L. 1987 (LIT)
 Quad Summary: TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: TEMESCAL CANYON AND TRIBUTARY TO SANTA YNEZ CANYON AND SMALL SECTION PULGA CANYON.
 -----Comments-----
 Distribution: FOUR SMALL STRETCHES OF INTERMITTENT STREAMS SUPPORTING RIPARIAN WOODLANDS.
 Ecological: TREES EXPECTED IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA & SALIX SPP. VEGETATION COMPOSITION OF
 THIS PARTICULAR STAND UNKNOWN.
 Threat:
 General: THIS WAS OCC #017 OF CTT62400CA.
 Owner/Manager: DPR-TOPANGA SP, UNKNOWN

Occurrence No. 18 Map Index:01023 ---Dates Last Seen--- Lat/Long: 34°07'14" / 118°33'47" Township: 01N
 Occ Rank: Unknown Element: 1987-XX-XX UTM: Zone-11 N3776431 E355849 Range: 16W
 Origin: Natural/Native occurrence Site: 1987-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 1200 ft
 Main Source: ALLEN, L. 1987 (LIT)
 Quad Summary: TOPANGA (3411815/112D)*, CANOGA PARK (3411825/112A)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: GARAPITO CR, E OF SYLVIA PARK.
 -----Comments-----
 Distribution: TWO STRETCHES OF INTERMITTENT STREAMS SUPPORTING RIPARIAN WOODLANDS.
 Ecological: TREES EXPECTED IN VICINITY ARE PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, SALIX SPP & QUERCUS AGRIFOLIA.
 VEGETATION COMPOSITION OF THIS PARTICULAR STAND UNKNOWN.
 Threat:
 General: THIS WAS OCC #018 OF CTT62400CA.
 Owner/Manager: DPR-TOPANGA SP, UNKNOWN

CALIFORNIA WALNUT WOODLAND			
Element Code: CTT71210CA	-----List Status-----	-----NDDB Element Ranks-----	-----Other Lists-----
	Federal: None	Global: G2	
	State: None	State: S2.1	

-----Habitat Associations-----
 General: None for this Element
 Micro: None for this Element

Occurrence No. 4 Map Index:00970 ---Dates Last Seen--- Lat/Long: 34°08'38" / 118°34'47" Township: 01N
 Occ Rank: Unknown Element: 1983-XX-XX UTM: Zone-11 N3779042 E354352 Range: 16W
 Origin: Natural/Native occurrence Site: 1983-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1/5 mile Elevation: 1200 ft
 Main Source: BURKE, M. 1980 (LIT)
 Quad Summary: CANOGA PARK (3411825/112A)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: SE OF WOODLAND HILLS, ALONG MULLHOLLAND DR AND NATOMA AVE.
 -----Comments-----
 Distribution:
 Ecological: CANOPY 50-75% COVER. CHAPARRAL ON RIDGES ON E & W.
 Threat: DISTURBED BY ORVS, HORSE TRAILS. RAPID RESIDENTIAL DEVEL AND FIRE HAZARD ARE THREATS.
 General: THIS WAS OCC #004 OF CTT71210CA.
 Owner/Manager: UNKNOWN

Occurrence No. 6 Map Index:01653 ---Dates Last Seen--- Lat/Long: 34°08'15" / 118°24'05" Township: 01N
 Occ Rank: Unknown Element: 1983-XX-XX UTM: Zone-11 N3778095 E370789 Range: 15W
 Origin: Natural/Native occurrence Site: 1990-03-08 Precision: SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
 Trend: Unknown Area: 77.3 ac Elevation: 1050 ft
 Main Source: BROWN, D. 1981 (PERS)
 Quad Summary: VAN NUYS (3411824/111B)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: S OF STUDIO CITY. (BETW LAUREL TERRACE DR & TREDELL CYN) WILACRE PARK.
 -----Comments-----
 Distribution: MOSTLY ON THE NORTH FACING SLOPES BEYOND THE RIDGE NORTH OF TREDELL CANYON.
 Ecological: MOSAIC OF FOREST AND WOODLAND W/GRASS UNDERSTORY. JUGLANS CALIFORNICA IS DOMINANT. OTHER PLANTS INCLUDE
 QUERCUS AGRIFOLIA, Q. DUMOSA, AND SAGE SCRUB ASSOCIATIONS IN PARTS OF THE UNDERSTORY.
 Threat: RESIDENTIAL DEVELOPMENT IS GREATEST THREAT PER RIEFNER, 1983.
 General: MORE DETAILED PLANT INFO AVAILABLE AT CNDD IN TH090F02. THIS WAS OCC #006 OF CTT71210CA.
 Owner/Manager: UNKNOWN

Occurrence No. 10 Map Index:01030 ---Dates Last Seen--- Lat/Long: 34°07'44" / 118°33'40" Township: 01N
 Occ Rank: Unknown Element: 1983-XX-XX UTM: Zone-11 N3777352 E356042 Range: 16W
 Origin: Natural/Native occurrence Site: 1983-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 1600 ft
 Main Source: RIEFNER, R. 1983 (PERS)
 Quad Summary: CANOGA PARK (3411825/112A)*, TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: ALONG S SIDE MULHOLLAND DR 3.5 MI E OF RTE 27 (TOPANGA CYN BLVD).
 -----Comments-----
 Distribution:
 Ecological:
 Threat: DISTURBED BY ORV ROADCUTS. RAPID RESIDENTIAL DEVELOPMENT AND FIRE HAZARD A THREAT. NEAR SITE OF PLANNED WATER
 TANK.
 General: THIS WAS OCC #010 OF CTT71210CA.
 Owner/Manager: UNKNOWN

CALIFORNIA WALNUT WOODLAND (cont.)

Element Code: CTT71210CA

-----List Status----- NDEB Element Ranks-----Other Lists-----
Federal: None Global: G2
State: None State: S2.1

Occurrence No. 36 Map Index:00842 ---Dates Last Seen--- Lat/Long: 34°08'09" / 118°38'05" Township: 01N
Occ Rank: Unknown Element: 1934-XX-XX UTM: Zone-11 N3778241 E349277 Range: 17W
Origin: Natural/Native occurrence Site: 1934-XX-XX Precision: SPECIFIC Section: 26 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 133.1 ac Elevation: 1075 ft
Main Source: WIESLANDER, A. 1934 (MAP)
Quad Summary: CALABASAS (3411826/112B)*, CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: NEAR JCT MULHOLLAND HWY & OLD TOPANGA RD.
-----Comments-----
Distribution:
Ecological: MAPPED BY WIESLANDER SURVEY AS TWO STANDS OF OPEN WOODLAND: WEST PART W/QUERCUS AGRIFOLIA AND JUGLANS CALIFORNICA OVER SALVIA LEUCOPHYLLA; EAST STAND W/J. CALIFORNICA AND Q. AGRIFOLIA OVER GRASS IN PART AND OVER S. LEUCOPHYLLA IN PART.
Threat:
General: THIS WAS OCC #036 OF CTT71210CA.
Owner/Manager: UNKNOWN

Occurrence No. 63 Map Index:17124 ---Dates Last Seen--- Lat/Long: 34°07'05" / 118°29'23" Township: 01S
Occ Rank: Poor Element: 1989-05-XX UTM: Zone-11 N3776056 E362600 Range: 15W
Origin: Natural/Native occurrence Site: 1989-05-XX Precision: SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 123.2 ac Elevation: 1500 ft
Main Source: JONES, S. 1989 (OBS)
Quad Summary: BEVERLY HILLS (3411814/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: SANTA MONICA MOUNTAINS, W OF HWY 405 AND SEPULVEDA BLVD, E OF MANDEVILLE CANYON.
-----Comments-----
Distribution: THIS COMMUNITY IS FOUND ALONG THE MAIN RIPARIAN HABITAT AND ADJACENT TO EXISTING ROADS. POCKETS ARE FOUND WITHIN THE SOUTHERN COAST LIVE OAK RIPARIAN FOREST.
Ecological: SINGLE AGE STAND WITH LOW DIVERSITY DOMINATED BY JUGLANS CALIFORNICA AND QUERCUS AGRIFOLIA.
Threat: HUMAN IMPACT, GARBAGE AND LITTERING.
General: ADJACENT TO CLOSED LANDFILL. THIS WAS OCC #063OF CTT71210CA.
Owner/Manager: UNKNOWN

Occurrence No. 75 Map Index:21405 ---Dates Last Seen--- Lat/Long: 34°09'39" / 118°33'39" Township: 01N
Occ Rank: None Element: 1980-10-XX UTM: Zone-11 N3780904 E356110 Range: 16W
Origin: Natural/Native occurrence Site: 1980-10-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Possibly Extirpated Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 865.5 ac Elevation: 1400 ft
Main Source: BURKE, M. 1980 (LIT)
Quad Summary: CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: ALONG THE NORTH FLANK OF THE SANTA MONICA MTNS. STRETCHING FROM NE OF ENCINO RESERVOIR IN A WESTWARD TRENDING ARC 2.5 M.
-----Comments-----
Distribution: 5 LARGE PATCHES RANGING FROM 75 TO OVER 200 ACRES.
Ecological: SOME OF THE LARGEST WALNUT STANDS LEFT IN THE S.FERN. VALLEY IN 1980; MOST OF OCC APPEARS EXTIRPATED IN 1986 ORTHOPHOTO QUAD. DOM BY JUGLANS CALIF., SALVIA APIANA, S. LEUCOPHYLLA ASSOC. GRASSY UNDERSTORY. CHAPARRAL ON ADJACENT RIDGES.
Threat: URBANIZATION ENCROACHES FROM THE NORTH.
General: JUST NORTH OF TOPANGA STATE PARK. THIS WAS OCC #075 OF CTT71210CA.
Owner/Manager: UNKNOWN

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CALIFORNIA WALNUT WOODLAND (cont.)

Element Code: CTF71210CA

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

Occurrence No. 76 Map Index:21404 ---Dates Last Seen--- Lat/Long: 34°08'37" / 118°34'52" Township: 01N
Occ Rank: Good Element: 1980-10-XX UTM: Zone-11 N3779023 E354213 Range: 16W
Origin: Natural/Native occurrence Site: 1986-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 80.8 ac Elevation: 1400 ft
Main Source: BURKE, M. 1980 (LIT)
Quad Summary: CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: WEST OF NATOMA AVENUE, 0.5 MILE NORTH OF THE LOS ANGELES CITY BORDER.
-----Comments-----
Distribution: TWO STANDS FACING EACH OTHER ON EITHER SIDE OF A STREAM DRAINAGE, BOTH ROUGHLY 50 ACRES IN SIZE. APPEARS
EXTANT FROM 1986 ORTHOPHOTO QUAD.
Ecological: JUGLANS CALIFORNICA DOMINATES, SALVIA APIANA AND S. LEUCOPHYLLA ARE COMMON ASSOCIATES. GRASSY UNDERSTORY OF
UNKNOWN COMP. CHAPARRAL DOMINATES THE RIDGES EAST AND WEST OF THE STANDS.
Threat: URBANIZATION ENCROACHES FROM THE NORTH.
General: JUST NORTH OF TOPANGA STATE PARK. THIS WAS OCC #076 OF CTF71210CA.
Owner/Manager: UNKNOWN

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COELUS GLOBOSUS

GLOBOSE DUNE BEETLE
Element Code: IICOL4A010

-----List Status-----
Federal: None
State: None

-----NDDB Element Ranks-----
Global: G1
State: S1

-----Other Lists-----
COFG Status:

-----Habitat Associations-----

General: INHABITANT OF COASTAL SAND DUNE HABITAT, FROM BODEGA HEAD IN SONOMA COUNTY SOUTH TO ENSENADA, MEXICO.

Micro: INHABITS FOREDUNES AND SAND HUMMOCKS; IT BURROWS BENEATH THE SAND SURFACE AND IS MOST COMMON BENEATH DUNE VEGETATION.

Occurrence No. 9 Map Index: 21982 ---Dates Last Seen--- Lat/Long: 34°02'19" / 118°35'08" Township: 01S
Occ Rank: Good Element: 1992-09-23 UTM: Zone-11 N3767384 E353634 Range: 16W
Origin: Natural/Native occurrence Site: 1992-09-23 Precision: SPECIFIC Section: 32 Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 80 meters Elevation: 5 ft
Main Source: SAKAI, W. 1992 (OBS)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: BETWEEN TUNA CANYON AND TOPANGA CANYON, LAS TUNAS BEACH, JUST WEST OF TOPANGA BEACH (COMMUNITY).
-----Comments-----
Distribution: BEETLES FOUND ALONG A REMNANT SAND DUNE, UNDER CAKILE MARITIMA.
Sociological: REMNANT COASTAL DUNE COMMUNITY.
Threat: BEACH HOME PROPOSED FOR SITE; DEVELOPMENT WILL EXTIRPATE THIS SITE.
General: 8 BEETLES COLLECTED AND DEPOSITED AT (PRESUMABLY) SANTA MONICA COLLEGE.
Owner/Manager: PVT

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DANAUS PLEXIPPUS MONARCH BUTTERFLY Element Code: IILEPP2010		—List Status— Federal: None State: None	NDDB Element Ranks Global: G4 State: S3	—Other Lists— CDFG Status:
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—Habitat Associations—
General: WINTER COAST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.
Micro: COSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.

Occurrence No. 188 Map Index: 01027 —Dates Last Seen— Lat/Long: 34°04'14" / 118°33'46" Township: 01S
Occ Rank: Unknown Element: 1985-01-06 UTM: Zone-11 N3770886 E355790 Range: 16W
Origin: Natural/Native occurrence Site: 1985-01-06 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1/5 mile Elevation: 550 ft
Main Source: SAKAI, W. 1989 (OBS)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: SANTA YNEZ CANYON, APPROX 2 MI ESE OF FERNWOOD.
—Comments—
Distribution: WITHIN SANTA YNEZ CANYON PARK.
Ecological: HABITAT IS A RIPARIAN AREA CONTAINING SYCAMORES, COAST LIVE OAKS, WILLOWS, MULE FAT, ETC.
Threat:
General: APPROXIMATELY 12 MONARCHS OBSERVED FLYING; NO CLUSTERS OBSERVED.
Owner/Manager: LAX COUNTY-PARKS & REC

* SENSITIVE *
Occurrence No. 189 Map Index: —Dates Last Seen— Lat/Long: / Township:
Occ Rank: None Element: XXXX-XX-XX UTM: Range:
Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: Section: Qtr
Presence: Possibly Extirpated Symbol Type: Meridian:
Trend: Unknown Radius: Elevation:
Main Source: SAKAI, W. 1989 (OBS)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: *SENSITIVE* Location information suppressed.
—Comments—
Distribution: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.
Ecological: CLUSTER TREES ARE EUCALYPTUS.
Threat:
General:
Owner/Manager:

Occurrence No. 190 Map Index: 01017 —Dates Last Seen— Lat/Long: 34°02'38" / 118°33'55" Township: 01S
Occ Rank: Good Element: 1997-12-29 UTM: Zone-11 N3767933 E355514 Range: 16W
Origin: Natural/Native occurrence Site: 1997-12-29 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Decreasing Radius: 1/5 mile Elevation: 125 ft
Main Source: SAKAI, W. 1989 (OBS)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary: J Paul Getty Museum
Location: J. PAUL GETTY MUSEUM, JUST EAST OF PARKER MESA, 1 MILE ENE OF TOPANGA BEACH.
—Comments—
Distribution: MONARCHS WINTER IN THE PINES ON THE HILLSIDE TO THE EAST OF THE VILLA.
Ecological: SITE IS A GROVE OF INTRODUCED, CANARY ISLAND PINES; FORMERLY, A SEMI-CIRCULAR GROVE OF EUCALYPTUS TREES THAT PARTIALLY RING A GRASSY AREA. MUSEUM GROUNDS CONTAIN MANY EXOTIC, ORNAMENTAL PLANTS.
Threat: THE MAIN THREAT IS TREE TRIMMING; TREE-TRIMMING IN 1985 NEARLY DESTROYED THE SITE.
General: 1000+ OBSERVED IN 1984-85; 10'S OBSERVED ON 10 JAN 1986. SITE NOT USED AGAIN UNTIL 1989-90 (15K OBSERVED). 5000 OBSERVED IN 1990-91. 500 OBSERVED IN 1992-93. ONLY FLYERS OBSERVED IN DEC 1995. 10K OBSERVED ON 29 DEC 97.
Owner/Manager: PVT-J. PAUL GETTY MUSEUM

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DANAUS PLEXIPPUS (cont.) MCNARCH BUTTERFLY Element Code: IILEPP2010		List Status Federal: None State: None	NDDB Element Ranks Global: G4 State: S3	Other Lists CDFG Status:
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Occurrence No. 191 Map Index:01203 —Dates Last Seen— Lat/Long: 34°02'15" / 118°30'51" Township: 01S
 Occ Rank: None Element: 1991-11-XX UTM: Zone-11 N3767153 E360222 Range: 16W
 Origin: Natural/Native occurrence Site: 1995-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Extirpated Symbol Type: POINT Meridian: S
 Trend: Decreasing Radius: 1/5 mile Elevation: 200 ft
 Main Source: SAKAI, W. 1989 (OBS)
 Quad Summary: TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: RUSTIC CANYON REC CENTER, LATIMER ROAD JUNCTION WITH HILL ROAD, PACIFIC PALISADES.
 Comments:
 Distribution: RESIDENT INDICATES MONARCHS HAVE USED THIS SITE FOR 30 YEARS. SHRUBBERY ALONG HILLTREE ROAD WAS REMOVED DURING WINTER OF 1986-87.
 Ecological: AUTUMNAL SITE. CLUSTERS WERE LOCATED IN A SMALL EUCALYPTUS GROVE LOCATED BETWEEN THE RECREATION CENTER PARKING LOT AND HILLTREE ROAD; HOMES WITH LARGE GARDENS (A GOOD NECTAR SOURCE) ARE FOUND IN THE SURROUNDING AREA.
 Threat: MAIN THREAT IS DAMAGE TO SHRUBBERY/UNDERSTORY, SUCH AS THAT WHICH OCCURRED IN 1987 AND AGAIN IN 1994-95.
 General: <1000 OBSERVED IN 1987-88. 10 OBSERVED IN 1988-89. 50 OBSERVED IN 1989-90. 5 FLYERS OBSERVED NOVEMBER 1991. NONE OBSERVED IN WINTER 1992-93. NONE OBSERVED IN FALL 1995. 5 FLYERS OBSERVED IN EARLY FALL 1997.
 Owner/Manager: CITY OF PACIFIC PALISADES

Occurrence No. 192 Map Index:01280 —Dates Last Seen— Lat/Long: 34°01'21" / 118°29'43" Township: 02S
 Occ Rank: None Element: 1990-10-XX UTM: Zone-11 N3765464 E361941 Range: 15W
 Origin: Natural/Native occurrence Site: 1996-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Extirpated Symbol Type: POINT Meridian: S
 Trend: Decreasing Radius: 1/5 mile Elevation: 120 ft
 Main Source: SAKAI, W. 1989 (OBS)
 Quad Summary: BEVERLY HILLS (3411814/111C)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: LINCOLN PARK, NW CORNER OF WILSHIRE BLVD AND LINCOLN BLVD, SANTA MONICA.
 Comments:
 Distribution:
 Ecological: ROOST TREES WERE EUCALYPTUS, PRIOR TO REMOVAL/TRIMMING.
 Threat:
 General: FLYERS PRESENT (BUT NO CLUSTERS) IN OCTOBER 1990. BY 1993-94, MOST OF THE LARGE EUCALYPTUS TREES HAD BEEN REMOVED FOR SAFETY REASONS AND TO CREATE SPACE FOR BUILDING. NONE OBSERVED IN 1994-95, NOV 1996, 30 NOV 97, OR 9 JAN 98.
 Owner/Manager: CITY OF SANTA MONICA

Occurrence No. 193 Map Index:01303 —Dates Last Seen— Lat/Long: 34°02'07" / 118°29'29" Township: 01S
 Occ Rank: Unknown Element: 1991-XX-XX UTM: Zone-11 N3766875 E362321 Range: 15W
 Origin: Natural/Native occurrence Site: 1991-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 260 ft
 Main Source: SAKAI, W. 1989 (OBS)
 Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: VICINITY OF 18TH STREET AND MONTANA AVENUE, SANTA MONICA.
 Comments:
 Distribution: APPROXIMATELY A ONE SQUARE MILE AREA WAS UTILIZED BY MONARCHS FROM YEAR TO YEAR.
 Ecological: ROOST TREES CONSIST OF CANARY ISLAND PINES AND OTHER EXOTICS IN A RESIDENTIAL AREA.
 Threat: THE MAIN THREAT IS PERIODIC PRUNING AND TRIMMING BY THE CITY.
 General: RESIDENTS RECALL HEAVY YEARS OF MONARCH USE AS WELL AS POOR ONES. ~10 FLYERS OBSERVED IN OCTOBER 1990.
 Owner/Manager: PVT

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DANAUS PLEXIPPUS (cont.)
MONARCH BUTTERFLY
Element Code: ILEPP2010

-----List Status-----NDDB Element Ranks-----Other Lists-----
Federal: None Global: G4 CDFG Status:
State: None State: S3

* SENSITIVE *

Occurrence No. 194 Map Index: ---Dates Last Seen--- Lat/Long: / Township:
Occ Rank: Fair Element: 1976-11-06 UTM: Range:
Origin: Natural/Native occurrence Site: 1997-XX-XX Precision: Section: Qtr
Presence: Presumed Extant Symbol Type: Meridian:
Trend: Unknown Radius: Elevation:
Main Source: SAKAI, W. 1989 (OBS)
Quad Summary: BEVERLY HILLS (3411814/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: *SENSITIVE* Location information suppressed.
-----Comments-----
Distribution: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more
information: (916) 324-3812.
Ecological: ROOST TREES ARE MAINLY EUCALYPTUS AND REDWOODS, WITH SOME PINES.
Threat: THREATS ARE MAINLY PRUNING AND THINNING OF THE ROOST TREES.
General:
Owner/Manager:

Occurrence No. 195 Map Index: 01440 ---Dates Last Seen--- Lat/Long: 34°00'22" / 118°27'29" Township: 02S
Occ Rank: Fair Element: 1985-12-22 UTM: Zone-11 N3763597 E365352 Range: 15W
Origin: Natural/Native occurrence Site: 1995-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 30 ft
Main Source: SAKAI, W. 1989 (OBS)
Quad Summary: BEVERLY HILLS (3411814/111C)*, VENICE (3311884/090B)
County Summary: LOS ANGELES
SNA Summary:
Location: VICINITY OF PENMAR GOLF COURSE, WEST OF LINCOLN BLVD AND SW OF SANTA MONICA AIRPORT, VENICE.
-----Comments-----
Distribution:
Ecological: POSSIBLE ROOST TREES: EUCALYPTUS, PINES, AND REDWOODS, LOCATED IN A GOLF COURSE.
Threat:
General: A FEW FLIERS OBSERVED IN 1985, BUT NO CLUSTERING. NO EVIDENCE OF EVEN FLYING MONARCHS IN 1994-95.
Owner/Manager: UNKNOWN

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MEDUSA LONGIPENNIS

SANTA MONICA SHIELDBACK KATYDID
Element Code: 11ORT32020

-----List Status-----
Federal: None
State: None

-----NDDS Element Ranks-----
Global: G1G2
State: S1S2

-----Other Lists-----
CDFG Status:

-----Habitat Associations-----

General: OCCUR NOCTURNALLY IN CHAPARRAL AND CANYON STREAM BOTTOM VEGETATION, IN THE SANTA MONICA MTNS OF SOUTHERN CALIFORNIA.
Micro: INHABIT INTRODUCED ICEPLANT AND NATIVE CHAPARRAL PLANTS.

Occurrence No. 1	Map Index:00888	-----Dates Last Seen-----	Lat/Long: 34°02'17" / 118°36'35"	Township: 01S
Occ Rank: Unknown		Element: 1975-06-19	UTM: Zone-11 N3767349 E351401	Range: 17W
Origin: Natural/Native occurrence		Site: 1975-06-19	Precision: NON-SPECIFIC	Section: 36 Qtr SE
Presence: Presumed Extant			Symbol Type: POINT	Meridian: S
Trend: Unknown			Radius: 1/5 mile	Elevation: 150 ft

Mair Source: RENTZ, D. 1981 (LIT)
Quad Summary: TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary: Mouth of Big Rock Canyon
Location: BIG ROCK CANYON ENTRANCE, APPROX 2 MI W OF TOPANGA BEACH.

-----Comments-----
Distribution:
Ecological: THIS INSECT OCCURS NOCTURNALLY ON CHAPARRAL AND CANYON STREAM BOTTOM VEGETATION; ALSO ON INTRODUCED ICEPLANT (MESEMBRYANTHEMUM SP).
Threat:
General: ALLOTYPE FEMALE FOUND NEAR JUNCTION WITH ROCKPORT ROAD; HOLOTYPE MALE FOUND 75 M ABOVE PACIFIC COAST HWY (BOTH ALLOTYPE AND HOLOTYPE DEPOSITED IN CAS, #12438).
Owner/Manager: PVT

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DEINANDRA MINTHORNI

SANTA SUSANA TARPLANT

Element Code: PDAST4R0J0

-----List Status-----

Federal: None

State: Rare

-----NDDB Element Ranks-----

Global: G2

State: S2.2

-----Other Lists-----

CNPS List: LB

R-E-D Code: 2-2-3

-----Habitat Associations-----

General: CHAPARRAL, COASTAL SCRUB. KNOWN ONLY FROM LOS ANGELES AND VENTURA COUNTIES.
Micro: ON SANDSTONE OUTCROPS AND CREVICES, IN SHRUBLAND. 280-760M.

Occurrence No. 38 Map Index:38640 ---Dates Last Seen--- Lat/Long: 34°14'55" / 118°37'39" Township: 02N
Occ Rank: Unknown Element: 1995-10-19 UTM: Zone-11 N3790714 E350120 Range: 17W
Origin: Natural/Native occurrence Site: 1995-10-19 Precision: SPECIFIC Section: 23 Qtr NE
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 17.5 ac Elevation: 1400 ft
Main Source: WHITE, S. 1995 (OBS)
Quad Summary: CALABASAS (3411826/112B)*, CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: NORTH OF CHATSWORTH RESERVOIR, 0.25 MI EAST OF LAX/VEN COUNTY LINE AND 0.6 MI NORTH OF VALLEY CIRCLE BLVD,
SIMI HILLS.

-----Comments-----

Distribution: THREE COLONIES MAPPED WITHIN THE N 1/2 NE 1/4 SECTION 23.
Ecological: IN COASTAL SAGE SCRUB DOMINATED BY MALACOTHAMNUS FASCICULATUS AND ANNUAL GRASSLAND. ASSOCIATES INCLUDE
HETEROTHECA GRANDIFLORA AND SALSOLA TRAGUS. SOILS THIN; COMPACTED AT FORMER HELICOPTER LANDING PAD.
Threat: TWO OF THREE SITES HAVE BEEN MOWN REPEATEDLY.
General: 55+ PLANTS OBSERVED IN COLONIES RANGING IN SIZE FROM 5 TO 40 PLANTS IN 1995.
Owner/Manager: UNKNOWN

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CENTROMADIA PARRYI SSP AUSTRALIS
SOUTHERN TARPLANT
Element Code: PDAST4R0P4

-----List Status-----
Federal: None
State: None

-----NDDB Element Ranks-----
Global: G5T2
State: S2.1

-----Other Lists-----
CNPS List: 1B
R-E-D Code: 3-3-2

-----Habitat Associations-----

General: MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS. FROM SOUTHERN CALIFORNIA AND BAJA CALIF.
Micro: OFTEN IN DISTURBED SITES NEAR THE COAST; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS; ALSO VERNAL POOLS. 0-425M.

Occurrence No. 28 Map Index:35233 ---Dates Last Seen--- Lat/Long: 34°01'11" / 118°29'06" Township: 02S
Occ Rank: Unknown Element: 1930-XX-XX UTM: Zone-11 N3765131 E362883 Range: 15W
Origin: Natural/Native occurrence Site: 1930-XX-XX Precision: NON-SPECIFIC Section: XX Qcr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 120 ft
Main Source: DAVIDSON, A. #1776 RSA (HERB)
Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: SANTA MONICA.
-----Comments-----
Distribution:
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1930 COLLECTION BY DAVIDSON. THIS SPECIMEN FOUND IN H. PONGENS
FILE AT RSA AND TENTATIVELY IDENTIFIED AS H. PARRYI SSP. AUSTRALIS.
Owner/Manager: UNKNOWN

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DITHYREA MARITIMA

BEACH SPECTACLEPOD

Element Code: PDBRA10020

-----List Status-----
Federal: None
State: Threatened

-----NDDB Element Ranks-----
Global: G2
State: S2.1

-----Other Lists-----
CNPS List: 1B
R-E-D Code: 3-3.2

-----Habitat Associations-----

General: COASTAL DUNES, COASTAL SCRUB. FORMERLY MORE WIDESPREAD IN COASTAL HABITATS IN SO. CALIF.
Micro: SEA SCORES, ON SAND DUNES, AND SANDY PLACES NEAR THE SHORE. 3-50M.

Occurrence No. 11 Map Index:40194 ---Dates Last Seen--- Lat/Long: 34°00'46" / 118°29'23" Township: 02S
Occ Rank: Unknown Element: 1884-07-XX UTM: Zone-11 N3764382 E362430 Range: 15W
Origin: Natural/Native occurrence Site: 1884-07-XX Precision: NON-SPECIFIC Section: 07 Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 20 ft
Main Source: MAJOR, M. 1979 (PERS)
Quad Summary: BEVERLY HILLS (3411814/111C)*, VENICE (3311884/090B), TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: DUNES OF COAST NEAR SANTA MONICA.
-----Comments-----
Distribution: EXACT LOCATION NOT KNOWN; MAPPED NEAR THE BEACHES WEST OF SANTA MONICA.
Ecological: DUNES.
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1884 SIGTING (COLLECTION?) BY W.S. LYON REPORTED BY MAJOR (1979).
Owner/Manager: UNKNOWN

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ATRIPLEX PARISHII
PARISH'S BRITTLESCALE
Element Code: PDCHE041D0

List Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1G2	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-2

Habitat Associations

General: ALKALI MEADOWS, VERNAL POOLS, CHENOPOD SCRUB, PLAYAS. PLANT COLLECTED ONLY ONCE IN CALIFORNIA SINCE 1974 (IN 1993).
Micro: USUALLY ON DRYING ALKALI FLATS WITH FINE SOILS. 4-140M.

Occurrence No. 8	Map Index: 35233	—Dates Last Seen—	Lat/Long: 34°01'11" / 118°29'06"	Township: 02S
Occ Rank: Unknown		Element: XXXX-XX-XX	UTM: Zone-11 N3765131 E362883	Range: 15W
Origin: Natural/Native occurrence		Site: XXXX-XX-XX	Precision: NON-SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POINT	Meridian: S
Trend: Unknown			Radius: 1 mile	Elevation: 120 ft
Main Source: DAVIDSON, A. #2936 US (HERB)				
Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)				
County Summary: LOS ANGELES				
SNA Summary:				
Location: SANTA MONICA.				
—Comments—				
Distribution:				
Ecological:				
Threat:				
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED COLLECTION BY DAVIDSON.				
Owner/Manager: UNKNOWN				

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DUDLEYA CYMOSA SSP OVATIFOLIA
SANTA MONICA MOUNTAINS DUDLEYA
Element Code: PDCRA040A5

-----List Status-----	-----NDDB Element Ranks-----	-----Other Lists-----
Federal: Threatened	Global: G5T2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 3-2-3

-----Habitat Associations-----

General: CHAPARRAL, COASTAL SCRUB.

Micro: ON VOLCANIC CLIFF FACES AND ROCKY OUTCROPS, PRIMARILY N-FACING SLOPES. 210-500M.

Occurrence No. 2	Map Index: 17769	-----Dates Last Seen-----	Lat/Long: 34°04'32" / 118°35'22"	Township: 01S
Occ Rank: Unknown		Element: 1984-XX-XX	UTM: Zone-11 N3771473 E353325	Range: 16W
Origin: Natural/Native occurrence		Site: 1984-XX-XX	Precision: SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: S
Trend: Unknown			Area: 64.9 ac	Elevation: 700 ft
Main Source: ALLEN, L. & L. COMRACK 1987 (LIT)				
Quad Summary: TOPANGA (3411815/112D)				
County Summary: LOS ANGELES				
SNA Summary:				
Location: TOPANGA STATE PARK, ALONG TOPANGA CANYON BLVD. 1.1-1.5 MI S OF TRIPPET RANCH, SANTA MONICA MOUNTAINS.				
-----Comments-----				
Distribution: BOTH SIDES OF TOPANGA CANYON BLVD JUST SOUTH OF FERNWOOD.				
Ecological: MOSTLY ON EAST-FACING MOSS COVERED CONGLOMERATE ROCK WITH UMBELLULARIA CALIFORNICA, PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, RHUS DIVERSILOBA, AND BOYKENIA ELATA.				
Threat:				
General: LOCALLY ABUNDANT IN 1980.				
Owner/Manager: DPR-TOPANGA SF				

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ASTRAGALUS BRAUNTONII
BRAUNTON'S MILK-VEITCH
Element Code: PDPAB0F1G0

-----List Status-----
Federal: Endangered
State: None

-----NDDP Element Ranks-----
Global: G2
State: S2.1

-----Other Lists-----
CNPS List: 1B
R-E-D Code: 3-3-3

-----Habitat Associations-----

General: CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.
Micro: RECENT BURNS OR DISTURBED AREAS; IN STIFF GRAVELLY CLAY SOILS OVERLYING GRANITE OR LIMESTONE. 4-640M.

Occurrence No. 1 Map Index:41758 ---Dates Last Seen--- Lat/Long: 34°06'18" / 118°23'03" Township: 01S
Occ Rank: None Element: 1908-XX-XX UTM: Zone-11 N3774493 E372321 Range: 14W
Origin: Natural/Native occurrence Site: 1908-XX-XX Precision: NON-SPECIFIC Section: 07 Qtr XX
Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 700 ft
Main Source: BRAUNTON, E. SN POM (HERB)
Quad Summary: BEVERLY HILLS (3411814/111C)*, HOLLYWOOD (3411813/111D)
County Summary: LOS ANGELES
SNA Summary:
Location: FOOTHILLS NEAR SHERMAN.
-----Comments-----
Distribution: SHERMAN WAS A POWER STATION ON THE OLD 'RED CAR' RAIL LINES. WEST HOLLYWOOD IS LOCATED AT ABOUT THE SAME SITE AS SHERMAN. MAPPED IN HILLS ABOVE SHERMAN.
Ecological:
Threat:
General: TYPE LOCALITY. TWO COLLECTIONS FROM SHERMAN AND ONE FROM 'SANTA MONICA HILLS' ARE ATTRIBUTED TO THIS SITE.
Owner/Manager: UNKNOWN

Occurrence No. 2 Map Index:41759 ---Dates Last Seen--- Lat/Long: 34°05'25" / 118°36'11" Township: 01S
Occ Rank: Unknown Element: 1917-05-01 UTM: Zone-11 N3773135 E352098 Range: 16W
Origin: Natural/Native occurrence Site: 1917-05-01 Precision: NON-SPECIFIC Section: 07 Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 1,241.4 ac Elevation: 750 ft
Main Source: PEIRSON, F. #592 RSA (HERB)
Quad Summary: TOPANGA (3411815/112D)*, CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: TOPANGA CANYON.
-----Comments-----
Distribution: EXACT LOCATION WITHIN CANYON NOT KNOWN. SITE MAPPED TO INCLUDE LENGTH OF ENTIRE CANYON.
Ecological:
Threat:
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1917 COLLECTION BY PEIRSON.
Owner/Manager: UNKNOWN

Occurrence No. 5 Map Index:41760 ---Dates Last Seen--- Lat/Long: 34°00'49" / 118°21'40" Township: 02S
Occ Rank: None Element: 1904-07-08 UTM: Zone-11 N3764321 E374301 Range: 14W
Origin: Natural/Native occurrence Site: 1904-07-08 Precision: NON-SPECIFIC Section: 08 Qtr XX
Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 200 ft
Main Source: GRANT, G. #6317 UC (HERB)
Quad Summary: HOLLYWOOD (3411813/111D)*, INGLEWOOD (3311883/090A), BEVERLY HILLS (3411814/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: CIENEGA.
-----Comments-----
Distribution: EXACT LOCATION NOT KNOWN. MAPPED IN VICINITY OF THE BALDWIN HILLS, JUST SOUTHWEST OF CIENEGA SIDING, SOUTH OF HOLLYWOOD.
Ecological:
Threat:
General: SOME CONFUSION WITH THIS SPECIMEN; W. JEPSON NOTE ON THE SHEET READS "GRANT #6317 IS A MIXTURE OF A. PYCNOSTACHYUS AND A. BRAUNTONII..." DISCREPANCIES WITH LABELING LEAVE OPEN THE POSSIBILITY THAT A. BRAUNTONII WAS NEVER COLLECTED HERE.
Owner/Manager: UNKNOWN

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ASTRAGALUS BRAUNTONII (cont.)
BRAUNTON'S MILK-VETCH
Element Code: PDFAB0F1G0

—List Status—	—NDDB Element Ranks—	—Other Lists—
Federal: Endangered	Global: G2	CNPS List: 1B
State: None	State: S2.1	R-E-D Code: 3-3-3

Occurrence No. 8 Map Index: 01038 —Dates Last Seen— Lat/Long: 34°03'01" / 118°33'36" Township: 01S
 Occ Rank: None Element: 1975-05-XX UTM: Zone-11 N3768634 E356012 Range: 16W
 Origin: Natural/Native occurrence Site: 1996-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1/5 mile Elevation: 450 ft
 Main Source: KENNEY, J. 1975 (OBS)
 Quad Summary: TOPANGA (341181S/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: LOS LIONES CANYON, SANTA MONICA MOUNTAINS.

—Comments—
 Distribution:
 Ecological: SOURCE DOCUMENT GIVES 1100 FEET ELEVATION.
 Threat: ACC TO TIM THOMAS (PERS. COMM. 1994) POPULATION WAS BULLDOZED DURING FIRE SUPPRESSION ACTIVITIES. STATUS IS UNKNOWN.
 General: LESS THAN 10 PLANTS IN 1975 IN 2ND YEAR OF BURNED CHAPARRAL. SINCE AREA HAS RECOVERED FROM BURN, SP IS PRESUMED CROWDED OUT, ACCORDING TO KENNEY, 1983. 0 PLANTS SEEN IN 1996 SEARCH BY KEELEY.
 Owner/Manager: DPR-TOPANGA SP

Occurrence No. 14 Map Index: 01045 —Dates Last Seen— Lat/Long: 34°04'55" / 118°33'33" Township: 01S
 Occ Rank: Fair Element: 1988-09-27 UTM: Zone-11 N3772140 E356152 Range: 16W
 Origin: Natural/Native occurrence Site: 1996-XX-XX Precision: SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
 Trend: Unknown Area: 23.0 ac Elevation: 1100 ft
 Main Source: HOLLOMBE, D. 1986 (OBS)
 Quad Summary: TOPANGA (341181S/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: ALONG TRAILER CANYON ROAD, FROM <100 YDS - 0.6 MI UP DIRT RD FROM MICHAEL LANE, PALISADES HIGHLANDS, SANTA MONICA MTS.

—Comments—
 Distribution:
 Ecological: IN, ABOUT AND BELOW LIMESTONE QUARRY ASSOCIATED WITH ORYZOPSIS MILICEA AND NICOTIANA GLAUCA ON DISTURBED SITES. PLANTS ALSO OCCUR ALONG FIRE ROADS AND ARE ASSOCIATED WITH YUCCA AND SALVIA, MALOSMA AND CERANTHUS.
 Threat: DEVELOPMENT COULD THREATEN.
 General: ABOUT 200 PLANTS. PLANTS GROWING ON PALEOCENE LIMESTONE. 5-6 PLANTS SEEN IN 1988 BY DICE. TOTAL OF 11 PLANTS SEEN BY PRIGGE IN 1988. 0 PLANTS SEEN BY KEELEY IN 1996. PLANT SEEMS TO PREFER DISTURBED HABITATS.
 Owner/Manager: PVT, DPR-TOPANGA SP

Occurrence No. 15 Map Index: 01075 —Dates Last Seen— Lat/Long: 34°05'13" / 118°32'54" Township: 01S
 Occ Rank: Good Element: 1987-02-XX UTM: Zone-11 N3772682 E357152 Range: 16W
 Origin: Natural/Native occurrence Site: 1987-02-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
 Trend: Unknown Area: 111.4 ac Elevation: 1800 ft
 Main Source: HOLLOMBE, D. 1987 (OBS)
 Quad Summary: TOPANGA (341181S/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: ALONG TEMESCAL RIDGE ROAD BETWEEN TEMESCAL PEAK AND SKULL ROCK, SANTA MONICA MOUNTAINS.

—Comments—
 Distribution:
 Ecological: ON MARGIN OF FIRE ROAD ON RIDGE TOP WITH CORETHROGYNE AND GRASSES.
 Threat:
 General: ONLY ONE PLANT SEEN IN 1987. 2000 PLANTS OBSERVED BETWEEN EO#15 AND 17 BY KEELEY IN 1996. HABITAT PRESENT; COULD SUPPORT GOOD POPULATION FOLLOWING DISTURBANCE.
 Owner/Manager: DPR-TOPANGA SP

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ASTRAGALUS BRAUNTONII (cont.)		-----List Status-----		-----NDDB Element Ranks-----		-----Other Lists-----	
BRAUNTON'S MILK-VEITCH		Federal: Endangered		Global: G2		CNPS List: 1B	
Element Code: PDFABDF1G9		State: None		State: S2.1		R-E-D Code: 3-3-3	

Occurrence No. 17 Map Index:01127 ---Dates Last Seen--- Lat/Long: 34°04'06" / 118°32'08" Township: 01S
 Occ Rank: Unknown Element: 1981-XX-XX UTM: Zone-11 N3770692 E358298 Range: 16W
 Origin: Natural/Native occurrence Site: 1982-XX-XX Precision: SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 80 meters Elevation: 800 ft
 Main Source: KENNEY, J. 1986 (PERS)
 Quad Summary: TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: TEMESCAL CYN, TEMESCAL RIDGE FIRE RD.
 -----Comments-----
 Distribution:
 Ecological: IN 1986 AREA DOMINATED BY ERIOGONUM, LOTUS SCOPARIUS, OTHER CHAPARRAL PLANTS. NO A. BRAUNTONII.
 Threat:
 General: FOLLOWING 1978 FIRE IN PACIFIC PALISADES PLANTS WERE SEEN 1979-81. NO PLANTS SEEN IN 1986. 2000 PLANTS SEEN BETWEEN E0#17, 15 IN 1996 (KEELEY). RAVEN MAY HAVE SEEN THIS SITE IN 1962 ("QUITE A LOT OF PLANTS"). NEEDS TO BE DISTURBED/BURNED.
 Owner/Manager: CITY OF LOS ANGELES

Occurrence No. 18 Map Index:01163 ---Dates Last Seen--- Lat/Long: 34°03'27" / 118°31'37" Township: 01S
 Occ Rank: Unknown Element: 1942-XX-XX UTM: Zone-11 N3769401 E359080 Range: 16W
 Origin: Natural/Native occurrence Site: 1996-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 4/5 mile Elevation: 900 ft
 Main Source: BARNEBY, R. 1986 (PERS)
 Quad Summary: TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: BETWEEN TEMESCAL CANYON AND WILL ROGERS STATE PARK, NORTH OF SUNSET BLVD.
 -----Comments-----
 Distribution:
 Ecological:
 Threat:
 General: 2 COLLECTIONS BY G. HASTINGS, BOTH COLLECTED IN 1942. BARNEBY SAID THAT 45 YEARS AGO PLANT WAS FLOURISHING BUT VERY LOCALIZED POPULATIONS IN THIS AREA. AREA SEARCHED BY J. KEELEY IN 1996, NO PLANTS SEEN.
 Owner/Manager: CITY OF LOS ANGELES

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Natural Diversity Data Base

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ASTRAGALUS PYCNOSTACHYUS VAR LANOSISSIMUS
VENTURA MARSH MILK-VETCH
Element Code: PDFAB0F7B1

-----List Status-----	-----NDDB Element Ranks-----	-----Other Lists-----
Federal: Endangered	Global: G3?T1	CNPS List: 18
State: Endangered	State: S1.1	R-E-D Code: 3-3-3

-----Habitat Associations-----

General: COASTAL SALT MARSH. HISTORICALLY IN COASTAL SOUTHERN CALIFORNIA; NOW KNOWN AT ONE SITE IN VENTURA COUNTY.
Micro: WITHIN REACH OF HIGH TIDE OR PROTECTED BY BARRIER BEACHES, MORE RARELY NEAR SEEPS ON SANDY BLUFFS. 1-35M.

Occurrence No. 3 Map Index:01228 ---Dates Last Seen--- Lat/Long: 34°01'21" / 118°30'27" Township: 02S
Occ Rank: None Element: 1882-10-XX UTM: Zone-11 N3765481 E360812 Range: 16W
Origin: Natural/Native occurrence Site: 196X-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 5 ft
Main Source: PARISH S. & W. PARISH SN WS (HERB)
Quad Summary: TOPANGA (3411815/112D)*, BEVERLY HILLS (3411814/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: MEADOW NEAR SEASHORE, SANTA MONICA.
-----Comments-----
Distribution:
Ecological: MEADOW.
Threat:
General: THREE COLLECTIONS BY PARISH AND PARISH ATTRIBUTED TO THIS SITE AND ONE BY L. GREATA. BARNEBY (1964) SEARCHED MARSHES IN THIS AREA AND CONSIDERED THIS POPULATION TO BE EXTIRPATED.
Owner/Manager: UNKNOWN

Occurrence No. 4 Map Index:01453 ---Dates Last Seen--- Lat/Long: 33°59'10" / 118°27'22" Township: 02S
Occ Rank: None Element: 1902-09-09 UTM: Zone-11 N3761377 E365501 Range: 15W
Origin: Natural/Native occurrence Site: 1981-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 5 ft
Main Source: CHANDLER, H. #2045 UC (HERB)
Quad Summary: VENICE (3311884/090B)*, BEVERLY HILLS (3411814/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: BALLONA MARSHES AND RANCHO.
-----Comments-----
Distribution: VICINITY IS PRESENTLY MARINA DEL REY AND THE SOUTH PART OF VENICE. THIS SITE INCLUDES COLLECTIONS FROM "BALLONA HARBOR", "PLAYA DEL REY", "NEAR PALMS", AND COLLECTIONS FROM THE GENERAL VICINITY OF "LOS ANGELES COUNTY".
Ecological:
Threat: MARSHES NOW DRAINED.
General: NINE COLLECTIONS MADE BETWEEN 1888 AND 1902 ARE ATTRIBUTED TO THIS SITE. AREA SEARCHED BY BARNEBY (1964) AND SCHREIBER (1981); HISTORIC POPULATIONS ARE PRESUMED EXTIRPATED.
Owner/Manager: UNKNOWN

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ASTRAGALUS TENER VAR TITI COASTAL DUNES MILK-VEITCH Element Code: PDSAB0F8R2	-----List Status-----	-----NDDB Element Ranks-----	-----Other Lists-----
	Federal: Endangered	Global: G1T1	CNPS List: 1B
	State: Endangered	State: S1.1	R-E-D Code: 3-3-3

-----Habitat Associations-----

General: COASTAL BLUFF SCRUB, COASTAL DUNES. KNOWN ONLY FROM A FEW EXTANT OCCURRENCES; MOSTLY HISTORICAL IN SOUTHERN CALIFORNIA.
 Micro: MOIST, SANDY DEPRESSIONS OF BLUFFS OR DUNES ALONG AND NEAR THE PACIFIC OCEAN; ONE SITE ON A CLAY TERRACE. 1-50M.

Occurrence No. 3 Map Index:35233 ---Dates Last Seen--- Lat/Long: 34°01'11" / 118°29'06" Township: 02S
 Occ Rank: None Element: XXXX-XX-XX UTM: Zone-11 N3765131 E362883 Range: 15W
 Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 120 ft
 Main Source: HASSE SN NY (HERB)
 Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: SANTA MONICA.
 -----Comments-----
 Distribution: EXACT LOCATION NOT KNOWN. MAPPED IN THE VICINITY OF SANTA MONICA.
 Ecological:
 Threat:
 General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS UNDATED COLLECTION BY HASSE. R. BARNEBY (1964) BELIEVES THIS SITE IS PROBABLY EXTIRPATED.
 Owner/Manager: UNKNOWN

Occurrence No. 4 Map Index:42744 ---Dates Last Seen--- Lat/Long: 33°58'36" / 118°22'25" Township: 02S
 Occ Rank: None Element: 1903-04-12 UTM: Zone-11 N3760230 E373093 Range: 14W
 Origin: Natural/Native occurrence Site: 1903-04-12 Precision: NON-SPECIFIC Section: 20 Qtr XX
 Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 5 mile Elevation: 150 ft
 Main Source: ABRAMS, L. #2351 RSA (HERB)
 Quad Summary: INGLEWOOD (3311883/090A)*, VENICE (3311884/090B), HOLLYWOOD (3411813/111D), BEVERLY HILLS (3411814/111C)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: HYDE PARK (NEAR PRESENT DAY INGLEWOOD).
 -----Comments-----
 Distribution: EXACT LOCATION NOT KNOWN. MAPPED IN THE GENERAL VICINITY OF INGLEWOOD.
 Ecological:
 Threat:
 General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1903 COLLECTION BY L. ABRAMS. R. BARNEBY (1964) BELIEVES THIS SITE IS PROBABLY EXTIRPATED.
 Owner/Manager: UNKNOWN

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NAMA STENOCLADUM

MUD NAMA

Element Code: PDHYD0A0H0

-----List Status-----

Federal: None

State: None

-----NDDB Element Ranks-----

Global: G4G5

State: S1S2

-----Other Lists-----

CNPS List: 2

R-E-D Code: 3-2-1

-----Habitat Associations-----

General: MARSHES AND SWAMPS.

Micro: LAKE SHORES, RIVER BANKS, INTERMITTENTLY WET AREAS. 5-500M.

Occurrence No. 6 Map Index:35233 --Dates Last Seen-- Lat/Long: 34°01'11" / 118°29'06" Township: 02S
 Occ Rank: Unknown Element: 1889-10-XX UTM: Zone-11 N3765131 E362883 Range: 15W
 Origin: Natural/Native occurrence Site: 1889-10-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 120 ft
 Main Source: HASSE SN G, US (HERB)
 Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: SANTA MONICA.
 -----Comments-----
 Distribution:
 Ecological:
 Threat:
 General: VICINITY REPORTED IN TWO COLLECTIONS BY HASSE IN 1889 (CITED IN 1933 ARTICLE BY C.L. HITCHCOCK "A TAXONOMIC STUDY OF THE GENUS NAMA" IN AMERICAN JOURNAL OF BOTANY VOL.20 #6.
 Owner/Manager: UNKNOWN

Occurrence No. 7 Map Index:35220 --Dates Last Seen-- Lat/Long: 34°01'57" / 118°27'41" Township: 02S
 Occ Rank: Unknown Element: XXXX-XX-XX UTM: Zone-11 N3766542 E365095 Range: 15W
 Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: S
 Trend: Unknown Radius: 1 mile Elevation: 150 ft
 Main Source: JEPSON, W. 1925 (LIT)
 Quad Summary: BEVERLY HILLS (3411814/111C)
 County Summary: LOS ANGELES
 SNA Summary:
 Location: SAWTELLE, NEAR SANTA MONICA.
 -----Comments-----
 Distribution: SITE NOT NOTED ON TOPO MAP. USGS GAZETEER PLACES SITE EAST OF SANTA MONICA IN THE VICINITY OF NEBRASKA AVENUE AND 26TH STREET.
 Ecological:
 Threat:
 General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS SITE NAME NOTED IN "A FLORA OF CALIFORNIA - VOL II" BY JEPSON (1935).
 Owner/Manager: UNKNOWN

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<i>SIDALCEA NEOMEXICANA</i> SALT SPRING CHECKERBLOOM Element Code: PDMAL110J0	-----List Status----- Federal: None State: None	-----NDDB Element Ranks----- Global: G4? State: S2S3	-----Other Lists----- CNPS List: 2 R-E-D Code: 2-2-1
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-----Habitat Associations-----
General: ALKALI PLAYAS, BRACKISH MARSHES, CHAPARRAL, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MOJAVEAN DESERT SCRUB.
Micro: ALKALI SPRINGS AND MARSHES. 0-1500M.

Occurrence No. 8 Map Index: 35233 ---Dates Last Seen--- Lat/Long: 34°01'11" / 118°29'06" Township: 02S
Occ Rank: Unknown Element: XXXX-XX-XX UTM: Zone-11 N3765131 E362883 Range: 15W
Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 120 ft
Main Source: HASSE SN UNK HERBARIUM (HERB)
Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: SANTA MONICA.
-----Comments-----
Distribution:
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED COLLECTION BY HASSE CITED BY JEPSON (1936).
Owner/Manager: UNKNOWN

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Natural Diversity Data Base

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CHORIZANTHE PARRYI VAR FERNANDINA
SAN FERNANDO VALLEY SPINEFLOWER
Element Code: PDPGN040J1

-----List Status-----	-----NDDB Element Ranks-----	-----Other Lists-----
Federal: Candidate	Global: G2T1	CNPS List: 1B
State: Endangered	State: S1.1	R-E-D Code: 3-3-3

-----Habitat Associations-----

General: COASTAL SCRUB. FORMERLY KNOWN FROM SOUTHERN CALIFORNIA.
Micro: SANDY SOILS. 3-1035M.

Occurrence No. 7 Map Index:41264 ---Dates Last Seen--- Lat/Long: 34°15'26" / 118°36'02" Township: 02N
Occ Rank: None Element: 1901-04-04 UTM: Zone-11 N3791658 E352623 Range: 16W
Origin: Natural/Native occurrence Site: 1901-04-04 Precision: NON-SPECIFIC Section: 18 Qtr XX
Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 1000 ft
Main Source: ABRAMS, L. #1337 POM (HERB)
Quad Summary: OAT MOUNTAIN (3411835/138D)*, CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: CHATSWORTH PARK.
-----Comments-----
Distribution: EXACT LOCATION NOT KNOWN; MAPPED IN GENERAL VICINITY OF CHATSWORTH.
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1901 COLLECTION BY ABRAMS.
Owner/Manager: UNKNOWN

Occurrence No. 13 Map Index:41275 ---Dates Last Seen--- Lat/Long: 34°10'05" / 118°22'37" Township: 01N
Occ Rank: None Element: XXXX-XX-XX UTM: Zone-11 N3781467 E373084 Range: 14W
Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Section: 17 Qtr XX
Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 300 ft
Main Source: DAVIDSON, A. SN RSA #392589 (HERB)
Quad Summary: VAN NUYS (3411824/111B)*, BURBANK (3411823/111A)
County Summary: LOS ANGELES
SNA Summary:
Location: TOLUCCA (NORTH HOLLYWOOD).
-----Comments-----
Distribution: THE TOWN OF TOLUCA CHANGED IT'S NAME TO NORTH HOLLYWOOD IN 1906. EXACT LOCATION NOT KNOWN; MAPPED IN VICINITY OF WEST HOLLYWOOD.
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1890 COLLECTION BY DAVIDSON.
Owner/Manager: UNKNOWN

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<i>CORDYLIANTHUS MARITIMUS SSP MARITIMUS</i> SALT MARSH BIRD'S-BEAK Element Code: PDSCR0J0C2	-----List Status----- Federal: Endangered State: Endangered	-----NDDB Element Ranks----- Global: G3T2 State: S2.1	-----Other Lists----- CNPS List: 1B R-E-J Code: 2-2-2
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-----Habitat Associations-----

General: COASTAL SALT MARSH, COASTAL DUNES.
Micro: LIMITED TO THE HIGHER ZONES OF THE SALT MARSH HABITAT. 0-30M.

Occurrence No. 14 Map Index: 35233 ---Dates Last Seen--- Lat/Long: 34°01'11" / 118°29'05" Township: 02S
Occ Rank: None Element: XXXX-XX-XX UTM: Zone-11 N3765131 E362883 Range: 15W
Origin: Natural/Native occurrence Site: 1981-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 120 ft
Main Source: HASSE SN DSS (HERB)
Quad Summary: BEVERLY HILLS (3411814/111C)*, TOPANGA (3411815/112D)
County Summary: LOS ANGELES
SNA Summary:
Location: NEAR SANTA MONICA.

-----Comments-----

Distribution: EXACT LOCATION NOT KNOWN, MAPPED IN GENERAL VICINITY OF SANTA MONICA.
Ecological:
Threat:
General: UNKNOWN WHEN COLLECTED BY HASSE. AREA SEARCHED IN 1980, 1981; NO PLANTS OBSERVED. SPECIES IS PROBABLY
EXTIRPATED AT THIS SITE (FOX AND KNUDSEN, 1982; P. ALLEN, 1974).
Owner/Manager: UNKNOWN

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CALOCHORTUS PLUMMERAE

PLUMMER'S MARIFOSA LILY
Element Code: PMLLGD150

-----List Status-----	NDDB Element Ranks-----	-----Other Lists-----
Federal: None	Global: G3	CNPS List: 1B
State: None	State: S3.2	R-E-D Code: 2-2-3

-----Habitat Associations-----

General: COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.
Micro: OCCURS ON ROCKY AND SANDY SITES, USUALLY OF GRANITIC OR ALLUVIAL MATERIAL. 96-1610M.

Occurrence No. 39 Map Index:27700 ---Dates Last Seen--- Lat/Long: 34°06'27" / 118°30'04" Township: 01S
Occ Rank: None Element: 1929-06-XX UTM: Zone-11 N3774908 E361536 Range: 16W
Origin: Natural/Native occurrence Site: 1989-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Possibly Extirpated Symbol Type: POINT Meridian: S
Trend: Unknown Radius: 1 mile Elevation: 1050 ft
Main Source: CLOKEY & TEMPLETON #4579 POM (HERB)
Quad Summary: TOPANGA (3411815/112D)*, BEVERLY HILLS (3411814/111C)
County Summary: LOS ANGELES
SNA Summary:
Location: MANDEVILLE CANYON, SANTA MONICA MOUNTAINS.
-----Comments-----
Distribution: MAPPED IN VICINITY OF ELEVATION PROVIDED ON HERBARIUM LABEL-350M.
Ecological: BRUSHY RIDGE.
Threat: AREA IS DEVELOPED WITH POCKETS OF HABITAT ALONG UNDEVELOPED SLOPES.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1929 COLLECTION BY CLOKEY AND TEMPLETON. AREA SEARCHED BETWEEN 1989-1991 BUT NO PLANTS FOUND (MCDONALD AND STOKKINK, 1991).
Owner/Manager: UNKNOWN

Occurrence No. 45 Map Index:27694 ---Dates Last Seen--- Lat/Long: 34°07'48" / 118°29'56" Township: 01N
Occ Rank: Unknown Element: 1992-XX-XX UTM: Zone-11 N3777377 E361793 Range: 15W
Origin: Natural/Native occurrence Site: 1992-XX-XX Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: S
Trend: Unknown Area: 16.2 ac Elevation: 1700 ft
Main Source: MCDONALD & STOKKINK 1992 (PERS)
Quad Summary: VAN NUYS (3411824/111B)*, CANOGA PARK (3411825/112A)
County Summary: LOS ANGELES
SNA Summary:
Location: MULHOLLAND DRIVE ABOUT 0.2 MILE EAST OF ENCINO ROAD (ENCINO HILLS DRIVE?), SANTA MONICA MOUNTAINS.
-----Comments-----
Distribution: NORTH SIDE OF MULHOLLAND DR ON EDGE OF ROADCUT ABOVE THE ROAD. SOURCE LISTS CROSS STREET AS ENCINO RD. ACCORDING TO AAA MAPS, THE ONLY "ENCINO RD" THAT INTERSECTS MULHOLLAND DR IS ENCINO HILLS DRIVE, ABOUT 2 MILES WEST OF I-405.
Ecological:
Threat:
General: 7 PLANTS OBSERVED IN 1992. ONLY SOURCE OF INFORMATION IS 1992 OBSERVATION REPORTED BY MCDONALD AND STOKKINK (1992).
Owner/Manager: UNKNOWN

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ASTRAGALUS BRAUNTONII

"Braunton's milk-vetch"

Family: Fabaceae

Life Form: Perennial herb
CNPS List: [1B] R/T/E in CA and elsewhere
State: [None] No state status
Federal: [FE] Federally listed as Endangered (01/29/97)
Counties: Los Angeles, Orange, Ventura
Quads: Black Star Canyon (87C), Corona South (87D), Azusa (109B), Mt. Wilson (110A), Van Nuys (111B), Beverly Hills (111C) [extirpated], Hollywood (111D) [extirpated], Calabasas (112B), Malibu Beach (112C) [extirpated], Topanga (112D), Thousand Oaks (113A), Oat Mountain (138D)
Habitat: Closed-cone coniferous forest, Chaparral, Coastal scrub, Valley and foothill grassland / recent burns or disturbed areas, usually carbonate
Elevation: 4-640 m.
Notes: Known from fewer than ten extant occurrences, with fewer than 300 total plants as of 1997. Threatened by development and alteration of local fire regimes. See Bulletin of the Southern California Academy of Sciences 2:26-27 (1903) for original description, and Fremontia 19(3):6-7 (1991) for species account.

ASTRAGALUS PYCNOSTACHYUS VAR.

LANOSISSIMUS

"Ventura marsh milk-vetch"

Fabaceae

Family:

Life Form: Perennial herb
CNPS List: [1B] R/T/E in CA and elsewhere
State: [CE] State listed as Endangered (04/00)
Federal: [FE] Federally listed as Endangered (05/21/01)
Counties: Los Angeles [extirpated], Orange [extirpated], Ventura
Quads: Seal Beach (72A) [extirpated], Venice (90B) [extirpated], Hollywood (111D) [extirpated], Topanga (112D) [extirpated], Oxnard (114B), Ventura (141D) [extirpated]
Habitat: Coastal dunes, Marshes and Swamps (edges, coastal salt)
Elevation: 1-35 m.
Notes: Rediscovered near Oxnard in 1997; now known from only one occurrence. Threatened by development. See North American Flora 24:357-358 (1929) for original description, and Memoirs of the New York Botanical Garden 13:813 (1964) for taxonomic treatment.

ASTRAGALUS TENER VAR. *TITI*

"coastal dunes milk-vetch"

Family: Fabaceae

Life Form: Annual herb
CNPS List: [1B] R/T/E in CA and elsewhere
State: [CE] State listed as Endangered (02/82)
Federal: [FE] Federally listed as Endangered (08/12/98)
Counties: Los Angeles [extirpated], Monterey, San Diego [?]
Quads: Point Loma (11B) [extirpated], Del Mar (22B) [possibly extirpated], Oceanside (36B) [possibly extirpated], Inglewood (90A) [extirpated], Topanga (112D) [extirpated], Monterey (366C)
Habitat: Coastal bluff scrub (sandy), Coastal dunes, Coastal prairie (mesic)
Elevation: 1-50 m.
Notes: Known from only one occurrence on the Monterey Peninsula. SDG Co. occurrences have not been documented since the 1970's, despite rediscovery attempts in the 1980's. Threatened by urbanization, recreational

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activities, and non-native plants. See Bulletin of the Torrey Botanical Club 32:195-196 (1905) for original description, and Memoirs of the New York Botanical Garden 13:1048 (1964) for taxonomic treatment.

ATRIPLEX PARISHII

"Parish's brittle-scale"

Family: Chenopodiaceae

Life Form: Annual herb

Blooms: June-October

CNPS List: [1B] R/T/E in CA and elsewhere

R-E-D: 3-3-2

State: [None] No state status

Federal: [None] No federal status

Counties: Los Angeles [extirpated], Orange [extirpated], Riverside, San Bernardino [extirpated], San Diego [extirpated], Baja California

Quads: Butterfly Peak (66D) [extirpated], Winchester (68A), Newport Beach (71B) [? (extirpated)], Laguna Beach (71D) [extirpated], Seal Beach (72A) [? (extirpated)], Palm Springs (83D) [extirpated], Perris (85C), Long Beach (89C) [extirpated], Redondo Beach (90C) [extirpated], Burbank (111A) [extirpated], Beverly Hills (111C) [extirpated], Big Bear City (131D) [extirpated]

Habitat: Chenopod scrub, Playas, Vernal pools

Elevation: 25-1,900 m.

Notes: Plant collected only once (in 1993) in CA since 1974; probably still extant in BA. Threatened by development, agricultural conversion, and grazing. Taxonomic reevaluation indicates plant is only from southern California, but is closely related to more northern *A. depressa* and *A. minuscula*. See Proceedings of the American Academy of Arts and Sciences 17:377 (1882) for original description.

CALOCHORTUS PLUMMERAE

"Plummer's mariposa lily"

Family: Liliaceae

Life Form: Perennial herb (bulbiferous)

Blooms: May-July

CNPS List: [1B] R/T/E in CA and elsewhere

R-E-D: 2-2-3

State: [None] No state status

Federal: [None] No federal status

Counties: Los Angeles, Orange, Riverside, San Bernardino, Ventura

Quads: Idyllwild (66B), Blackburn Canyon (67A), Lake Elsinore (69A), Sitton Peak (69C), Santiago Peak (70A), Cabazon (84A) [extirpated], Beaumont (84B), El Casco (85A), Sunnymead (85B), Riverside West (86B), Black Star Canyon (87C), Corona South (87D), Big Bear Lake (105B), Forest Falls (105C), San Geronio Mtn. (105D), Harrison Mtn. (106B), Redlands (106C), Yucaipa (106D), San Bernardino North (107A), Devore (107B), Fontana (107C), Cucamonga Peak (108A), Mt. Baldy (108B), Ontario (108C) [extirpated], Glendora (109A), San Dimas (109D) [?], Mt. Wilson (110A), Pasadena (110B) [extirpated], Los Angeles (110C) [extirpated], Van Nuys (111B), Hollywood (111D) [extirpated], Malibu Beach (112C), Topanga (112D) [extirpated], Thousand Oaks (113A), Newbury Park (113B), Triunfo Pass (113C), Point Dume (113D), Camarillo (114A), Big Bear City (131D), Cajon (133C), Silverwood Lake (133D), Telegraph Peak (134D) [extirpated], Crystal Lake (135D), Condor Peak (136C) [extirpated], Chilao Flat (136D), Sunland (137D), Newhall (138A), Santa Susana (138C) [extirpated], Oat Mountain (138D), Moorpark (139C), Simi (139D), Ojai (140B)

Habitat: Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland / granitic, rocky

Elevation: 100-1,700 m.

Notes: Significantly reduced by development, and continues to decline. Less common at higher elevations. Hybridizes with *C. weedii* var. *intermedius*

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in the San Jose Hills and Puente Hills. See Pittonia 2:70 (1890) for original description, and Annals of the Missouri Botanical Garden 27:515 (1940) for taxonomic treatment.

CAMISSONIA LEWISII

"Lewis's evening-primrose"

Family: Onagraceae

Life Form: Annual herb

Blooms: March-June

CNPS List: [3] More information is needed.

R-E-D: ?-?-2

State: [None] No state status

Federal: [None] No federal status

Counties: Los Angeles, Orange [extirpated], San Diego, Baja California

Quads: Jamul Mountains (10B), Otay Mesa (10C), National City (11A), Imperial Beach (11D), La Jolla (22C), Ramona (34D), San Luis Rey (36A), Fallbrook (51A), El Toro (70B) [extirpated], San Pedro (73A), Inglewood (90A), Venice (90B), Burbank (111A), Beverly Hills (111C), Hollywood (111D), Point Dume (113D)

Habitat: Coastal bluff scrub, Cismontane woodland, Coastal dunes, Coastal scrub, Valley and foothill grassland / sandy or clay

Elevation: 0-300 m.

Notes: Move to List 4? Location, rarity, and endangerment information needed. Dried material difficult to identify; apparently other taxa are often misidentified as *C. lewisii*. See Contributions from the U.S. National Herbarium 37(5):275 (1969) for original description.

CENTROMADIA PARRYI SSP. *AUSTRALIS*

"southern tarplant"

Family: Asteraceae

Life Form: Annual herb

Blooms: May-November

CNPS List: [1B] R/T/E in CA and elsewhere

R-E-D: 3-3-2

State: [None] No state status

Federal: [None] No federal status

Counties: Los Angeles, Orange, Santa Barbara, Santa Catalina Isl. (LAX Co.) [?], San Diego, Ventura, Baja California

Quads: Del Mar (22B), San Pasqual (34C), Ramona (34D), San Marcos (35B), Escondido (35D), Canada Gobernadora (70D), Tustin (71A), Newport Beach (71B), Seal Beach (72A), Yorba Linda (88A), Anaheim (88C) [extirpated], South Gate (89B) [extirpated], Long Beach (89C) [extirpated], Los Alamitos (89D), Inglewood (90A) [extirpated], Venice (90B) [extirpated], Torrance (90D), Pasadena (110B) [extirpated], Van Nuys (111B) [extirpated], Beverly Hills (111C) [extirpated], Hollywood (111D) [extirpated], Newbury Park (113B), Pitas Point (141C) [possibly extirpated], Ventura (141D), Goleta (143A), Dos Pueblos Canyon (143B), Santa Catalina East (SCTE) [?]

Habitat: Marshes and Swamps (margins), Valley and foothill grassland (vernally mesic), Vernal pools

Elevation: 0-425 m.

Notes: Need confirmation of SCT Isl. occurrences. Many ORA Co. occurrences recently extirpated. Many historical occurrences also extirpated; need information. Population fragmentation a serious problem, and plant continues to be threatened by urbanization, vehicles, and foot traffic. A synonym of *Hemizonia parryi* ssp. *australis* in The Jepson Manual. See Madrono 3(1):15 (1935) for original description, and Novon 9:462-471 (1999) for revised nomenclature.

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CORDYLANTHUS MARITIMUS SSP. *MARITIMUS*
"salt marsh bird's-beak"

Family: Scrophulariaceae

Life Form: Annual herb, hemiparasitic **Blooms:** May-October
CNPS List: [1B] R/T/E in CA and elsewhere **R-E-D:** 2-2-2
State: [CE] State listed as Endangered (07/79)
Federal: [FE] Federally listed as Endangered (09/28/78)
Counties: Los Angeles, Orange, Santa Barbara, San Diego, San Luis Obispo, Ventura,
Baja California
Quads: National City (11A), Point Loma (11B) [extirpated], Imperial Beach (11D),
Newport Beach (71B), Seal Beach (72A), Long Beach (89C), Los Alamitos
(89D) [extirpated], Topanga (112D) [extirpated], Oxnard (114B), Point Mugu
(114D), Carpinteria (142A), Morro Bay South (247D)
Habitat: Coastal dunes, Marshes and Swamps (coastal salt)
Elevation: 0-30 m.
Notes: Threatened by vehicles, road construction, foot traffic, and loss of salt
marsh habitat. See Madrono 31(3):185-190 (1984) for information on
parasitism.

DITHYREA MARITIMA
"beach spectaclepod"

Family: Brassicaceae

Life Form: Perennial herb (rhizomatous) **Blooms:** March-May
CNPS List: [1B] R/T/E in CA and elsewhere **R-E-D:** 3-3-2
State: [CT] State listed as Threatened (02/90)
Federal: [None] No federal status
Counties: Los Angeles [extirpated], Santa Barbara, Santa Catalina Isl. (LAX Co.)
[extirpated], San Luis Obispo, San Miguel Isl. (SBA Co.), San Nicolas Isl.
(VEN Co.), Baja California
Quads: Venice (90B) [extirpated], Redondo Beach (90C) [extirpated], Topanga
(112D) [extirpated], Surf (171A), Guadalupe (196A), Point Sal (196B),
Casmalia (196D), Pismo Beach (221B), Oceano (221D), Morro Bay South
(247D), San Miguel Island East (SMIE), San Miguel Island West (SMIW)
[extirpated], San Nicolas Island (SNIC)
Habitat: Coastal dunes, Coastal scrub (sandy)
Elevation: 3-50 m.
Notes: Known in CA from fewer than twenty occurrences; extirpated from half of
its historical range. Need historical quads for SCT Isl. Last seen in
LAX Co. in 1932. Threatened by trampling, vehicles, and non-native
plants. See Erythea 2:179 (1894) for original description.

DUDLEYA CYMOSA SSP. *OVATIFOLIA*
"Santa Monica Mountains dudleya"

Family: Crassulaceae

Life Form: Perennial herb **Blooms:** March-June
CNPS List: [1B] R/T/E in CA and elsewhere **R-E-D:** 3-2-3
State: [None] No state status
Federal: [FT] Federally listed as Threatened (01/29/97)
Counties: Los Angeles, Orange
Quads: Santiago Peak (70A), Malibu Beach (112C), Topanga (112D)
Habitat: Chaparral, Coastal scrub / volcanic
Elevation: 150-1,675 m.
Notes: Known from fewer than ten occurrences. Threatened by development and
recreation. Does not include *D. cymosa* ssp. *agourensis*.

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DUDLEYA MULTICAULIS

"many-stemmed dudleya"

Family: Crassulaceae

Life Form: Perennial herb **Blooms:** April-July
CNPS List: [1B] R/T/E in CA and elsewhere **R-E-D:** 1-2-3
State: [None] No state status
Federal: [None] No federal status
Counties: Los Angeles, Orange, Riverside, San Bernardino, San Diego
Quads: Vail Lake (49B), Margarita Peak (51B), Las Pulgas Canyon (51C), San Clemente (52A), San Onofre Bluff (52D), Lake Elsinore (69A), Alberhill (69B), Sitton Peak (69C), El Toro (70B), San Juan Capistrano (70C), Canada Gobernadora (70D), Tustin (71A), Newport Beach (71B) [extirpated], Laguna Beach (71D), Lake Mathews (86C), Prado Dam (87B) [extirpated], Black Star Canyon (87C), Corona South (87D), La Habra (88B) [extirpated], Orange (88D), Venice (90B) [extirpated], Mt. Baldy (108E), Glendora (109A), San Dimas (109D), Hollywood (111D), Calabasas (112B), Topanga (112D)
Habitat: Chaparral, Coastal scrub, Valley and foothill grassland / often clay
Elevation: 15-790 m.
Notes: Seriously threatened by development, road construction, grazing, and recreation. See Bulletin of the New York Botanical Garden 3:38 (1903) for original description, and Madrono 45(3):215-220 (1998) for population ecology information.

HORKELIA CUNEATA SSP. *PUBERULA*

"mesa horkelia"

Family: Rosaceae

Life Form: Perennial herb **Blooms:** February-September
CNPS List: [1B] R/T/E in CA and elsewhere **R-E-D:** 2-3-3
State: [None] No state status
Federal: [None] No federal status
Counties: Los Angeles, Orange, Riverside [extirpated], Santa Barbara, San Bernardino [extirpated], San Diego [extirpated], San Luis Obispo, Ventura [extirpated]
Quads: Temecula (50B) [extirpated], Pala (50D) [extirpated], Murrieta (68C) [extirpated], Sitton Peak (69C), Laguna Beach (71D), Cabazon (84A) [extirpated], Beaumont (84B) [extirpated], San Bernardino North (107A) [extirpated], Fontana (107C) [extirpated], San Bernardino South (107D) [extirpated], Cucamonga Peak (108A) [extirpated], Mt. Baldy (108B) [extirpated], Ontario (108C), Glendora (109A) [extirpated], Azusa (109B) [extirpated], Baldwin Park (109C) [extirpated], San Dimas (109D) [extirpated], Mt. Wilson (110A) [extirpated], Pasadena (110B) [extirpated], Los Angeles (110C) [extirpated], El Monte (110D) [extirpated], Burbank (111A) [extirpated], Beverly Hills (111C) [extirpated], Hollywood (111D) [extirpated], Ojai (140B) [extirpated], Matilija (141A) [extirpated], Santa Barbara (142B), Goleta (143A) [extirpated], San Marcos Pass (168D) [extirpated], Lompoc (170B), Orcutt (195C), Casmalia (196D), Arroyo Grande NE (221A) [extirpated], Pismo Beach (221B), Port San Luis (222A) [extirpated], Atascadero (246B) [extirpated], Templeton (269C) [extirpated]
Habitat: Chaparral, Cismontane woodland, Coastal scrub / sandy or gravelly
Elevation: 70-810 m.
Notes: Many historical occurrences extirpated; need current information on status of occurrences. Intergrades with other ssp.; populations representing true ssp. *puberula* declining. See Pittonia 1:102 (1887) for original description, and Lloydia 1:87-88 (1938) for revised nomenclature.

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MALACOTHAMNUS DAVIDSONII
"Davidson's bush mallow"

Family: Malvaceae

Life Form: Shrub (deciduous) **Blooms:** June-January
CNPS List: [1B] R/T/E in CA and elsewhere **R-E-D:** 2-2-3
State: [None] No state status
Federal: [None] No federal status
Counties: Los Angeles, Monterey, San Luis Obispo
Quads: Burbank (111A), Van Nuys (111B), San Fernando (137C), Sunland (137D),
Tierra Redonda Mountain (294C), Jolon (295B), Burnett Peak (295C), Bryson
(295D), Cosio Knob (318C)
Habitat: Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland
Elevation: 185-855 m.
Notes: Threatened by urbanization in LAX Co. Intergrades with *M. fasciculatus*;
see Madrono 46(3):142-152 (1999) for information.

NAMA STENOCARPUM
"mud nama"

Family: Hydrophyllaceae

Life Form: Annual/Perennial herb **Blooms:** January-July
CNPS List: [2] R/T/E in CA, but more common elsewhere **R-E-D:** 3-2-1
State: [None] No state status
Federal: [None] No federal status
Counties: Imperial [extirpated], Los Angeles [extirpated], Orange, Riverside, San
Clemente Isl. (LAX Co.), San Diego, Arizona, Baja California, and other
states
Quads: Yuma East (1A) [extirpated], Yuma West (1B) [extirpated], Jamul Mountains
(10B), National City (11A), San Luis Rey (36A) [extirpated], El Toro
(70B), Tustin (71A), Laguna Beach (71D), Seal Beach (72A) [extirpated], El
Casco (85A), Beverly Hills (111C) [extirpated], San Clemente Island North
(SCMN)
Habitat: Marshes and Swamps (lake margins, riverbanks)
Elevation: 5-500 m.
Notes: See Proceedings of the American Academy of Arts and Sciences 10:331 (1875)
for original description, and American Journal of Botany 20:415-430,
518-534 (1933) for taxonomic treatment.

SIDALCEA NEOMEXICANA
"salt spring checkerbloom"

Family: Malvaceae

Life Form: Perennial herb **Blooms:** March-June
CNPS List: [2] R/T/E in CA, but more common elsewhere **R-E-D:** 2-2-1
State: [None] No state status
Federal: [None] No federal status
Counties: Los Angeles [extirpated], Orange, Riverside, Santa Barbara, San
Bernardino, Ventura, Arizona, Baja California, New Mexico, Nevada, Sonora
(Mexico), Utah, and other states
Quads: Canada Gobernadora (70D), Tustin (71A) [extirpated], Lakeview (85D), Los
Alamitos (89D) [extirpated], Twentynine Palms (102A), San Bernardino South
(107D), Ontario (108C) [extirpated], Beverly Hills (111C), Borrego
Mountain (31B), Matilija (141A), Lockwood Valley (165A), Reyes Peak
(166A), Sawmill Mountain (190C)
Habitat: Chaparral, Coastal scrub, Lower montane coniferous forest, Mohavean desert
scrub, Playas / alkaline, mesic
Elevation: 15-1,530 m.
Notes: Need quads for SBA Co. See University of Washington Publications in

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SIDALCEA NEOMEXICANA (cont.)

Biology 18:1-96 (1957) for taxonomic treatment.

Jurisdictional Delineation: Waters of the U.S. and Streambeds

JURISDICTIONAL DELINEATION: WATERS OF THE UNITED STATES AND STREAMBEDS

**Mountaingate Project
City of Los Angeles, California**

Prepared for:

Castle & Cooke, Inc.
10900 Wilshire Boulevard, Suite 1600
Los Angeles, California 90024
Contact: Ilene Miles

Prepared By:

Impact Sciences
30343 Canwood Street, Suite 210
Agoura Hills, California 91302
(818) 879-1100

May 2002

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JURISDICTIONAL DELINEATION: WATERS OF THE UNITED STATES AND STREAMBEDS

Mountaingate Project Los Angeles, California

INTRODUCTION

This jurisdictional delineation report documents the findings of an investigation by Impact Sciences, Inc. delineating the extent of waters of the United States, including wetlands, under federal jurisdiction and streambeds under California Department of Fish and Game's jurisdiction on the 449.4-acre Mountaingate project site. The property is part of the Mountaingate Development, located east of I-405 on the west side of the Sepulveda Pass in the City of Los Angeles. The headwaters of the upper portion of Bundy Canyon are located on the Mountaingate site (**Figure 1, Project Location and Boundary**, and **Figure 2, Aerial Photograph**).

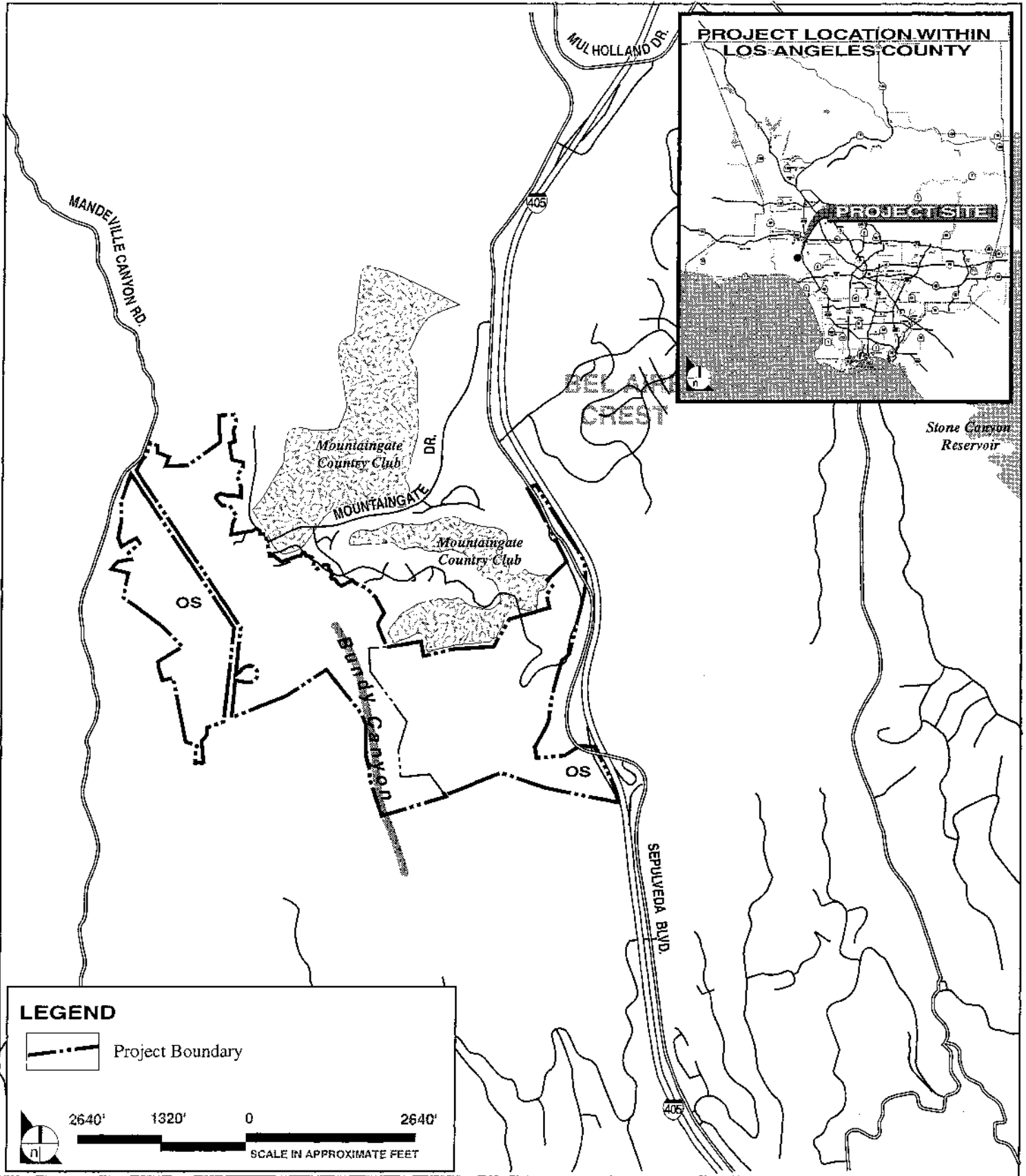
Project Description

The project involves the next phase of the Mountaingate Development. The proposed development is located on the upper elevations of the project site, which requires that the slopes adjacent to Bundy be stabilized. This jurisdictional delineation is to determine permitting issues associated with reducing the angle of the slopes, for slope stabilization for the residential development. Reducing the angle of the slope will push the toe of the slopes across the bottom of Bundy Canyon.

Regulatory Framework/Regulatory Agencies

U.S. Army Corps of Engineers (ACOE)

Federal regulations of "Waters of the United States" stem from Section 10 of the Federal Rivers and Harbors Act of 1899, enacted to regulate activities within navigable waters. In 1972, the federal Clean Water Act was passed. This Act regulates discharges into "Waters of the United States." Section 404 of this act regulates activities including fills placed into wetlands that are adjacent to navigable waters.



Source: Impact Sciences, Inc. ©, April 2000.

FIGURE 1

Project Location and Boundary

Waters of the United States are defined in 33 CFR 328.3:

(a) The term *Waters of the United States* means

- All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- All interstate waters including interstate wetlands;
- All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters;
- Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
- From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
- Which are used or could be used for industrial purpose by industries in interstate commerce;
- All impoundments of waters otherwise defined as waters of the United States under the definition;
- Tributaries of waters identified in paragraphs (a) (1) through (4) of this section;
- The territorial seas;
- Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a)(1) through (6) of this section.

ACOE jurisdiction in non-tidal waters typically extends to the ordinary high water mark (OHWM). The OHWM for intermittent streams, for example, can be determined by “the fluctuations of water as indicated by physical characteristics such as clear, natural lines impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas” (33 CFR 328.3(e)).

Most impacts to areas delineated as “waters of the U.S.,” if determined to be jurisdictional by the ACOE, requires approval under the authority of the Clean Water Act and its implementing regulations.

Section 404 Permits

The deposition of fill to an area delineated as “waters of the U.S.” including wetlands, and determined to be under the ACOE jurisdiction require a permit or other approval by ACOE Regulatory Branch. Fill is broadly defined to include most materials (rock, soil, pilings, concrete, wood, some incidental fallback of

soil from earth-moving equipment, and in some cases additional water) that can be discharged into a water or wetland.

Most Section 404 permits require mitigation for reducing overall impacts to net wetland area and functions.

California Department of Fish and Game (CDFG)

The State of California regulates water resources under Sections 1600 to 1603 of the Fish and Game Code of California. Section 1603 mandates that:

"It is unlawful for any person to divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake designated by the department, or use any material from the streambeds, without first notifying the department of that activity."

CDFG considers most natural drainages to be streambeds unless it can be demonstrated otherwise. Streambeds are defined in the California State Register (Vol. 87, No. 9, Section 1.72) as follows:

"A stream is a body of water that follows at least periodically or intermittently through a bed or channel having banks and that support fish or other aquatic life. This includes watercourses having surface or subsurface flow that supports or has supported riparian vegetation."

CDFG jurisdiction includes ephemeral, intermittent, and perennial watercourses, and is often extended to the limit of riparian habitats that are located contiguous to the water resource and that function as part of the watercourse system. Section 2785(e) of the Fish and Game Code of California states:

"Riparian habitat means lands which contain habitat which grows close to and which depends on soil moisture from a nearby freshwater source."

Streambed Alteration Agreements

Any project that impacts CDFG jurisdictional areas, including fills, vegetation removal, or bridging, requires a Section 1600 Streambed Alteration Agreement from CDFG. Much of the same information (project description, potential impacts, mitigation measures) necessary to apply for ACOE Section 404 permits is required for the Streambed Alteration Agreement application.

Regional Water Quality Control Board (RWQCB)

Section 401 of the federal Clean Water Act authorizes the State of California to certify federal permits and licenses. The State's implementing regulations to conduct certifications are codified under the California Code of Regulations Title 23 Waters, Sections 3830 – 3869. Projects qualifying for an ACOE Section 404 permit must submit materials for review to the appropriate RWQCB and request a Section 401 certification. Much of the same information (project description, potential impacts, mitigation measures) necessary to apply for ACOE Section 404 and CDFG Section 1603 permits is required for the Section 401 Certification.

METHODOLOGY

Because of the difficult access to the riparian corridor and tributaries due to steep slopes, along with loose substrate, the delineation was conducted using recent color aerial photos. The aerial photography was custom flown in the spring (March 11, 2002) just as the sycamores in the riparian corridor were leafing out. Without the full complement of leaves, the sycamores have a unique visual signature, making identification from the aerial photos easy. The photos were taken from an altitude of 2,800 feet (minimal allowable for the area), and have a scale of 1 inch equaling 166.6 feet. The photos were taken with a 60 percent overlap in order to allow for stereo viewing, necessary to determine the extent of most tributaries and in many cases, the steep banks of the incised channel along the main stem.

A site visit was made to the mouth of the canyon during the week of March 5, 2002, to determine:

- The width of the stream, between ordinary high water marks (i.e., the limits of ACOE jurisdiction at the outfall to the canyon);
- The vegetation at the mouth of the canyon which should be characteristic of the floor of the canyon throughout the site; and
- Potential access into the canyon from N. Bundy Drive.

The streambed and riparian corridors of the mainstem stream and tributaries were delineated by aerial photography, including polygons where the corridors were wide and lines where the channel narrowed and did not have riparian vegetation along the stream. Areas were then calculated using a planimeter on the polygons and a map measurer (map wheel) on to determine lengths of the narrow streams. The length of the narrow streams was then multiplied by six feet, which is used as the average stream width, and the ACOE and total CDFG jurisdictional areas determined.

SITE DESCRIPTION

The project site is located around the upper end of Bundy Canyon in the Santa Monica Mountains. The site has residential development at the hilltop to the north, a landfill on the hilltop to the east, open space for a short distance to the south before dense residential development below the mouth of the canyon, and open space for a considerable distance to the west. At the mouth of the canyon, on the upstream side of the last residence on N. Bundy Drive is a sediment retention basin that traps gravels and sediments prior to the water entering a culvert, the outfall of which is not known.

Topography

On-site the topography ranges from approximately 800 feet to 1,500 feet above mean sea level. The slopes range in the vicinity of 50 percent in many places. The main stream gradient in Bundy Canyon averages 8.3 percent (U.S.G.S. Beverly Hill Quad, 1966), with the tributaries having slopes similar to the canyon's side slopes.

Hydrology

Water is the driving force in creating and sustaining stream habitat and riparian vegetation. The dominant water sources for the site is stormwater runoff from the watershed.

The site contains the headwaters and most of the drainage basin of the watershed. Through both the project site and adjacent properties, the mainstem stream in the canyon flows (not including meanders) approximately 6,600 linear feet from the headwaters to the retention basin, with a total watershed (upland and riparian) area of the undeveloped portion of Bundy Canyon is approximately 248 acres or 0.39 square mile. On site, the stream is the upper 3,500 linear feet with a watershed (upland and riparian) area of approximately 164 acres or 0.256 square mile. Numerous small, ephemeral tributaries are present throughout the watershed, mostly flowing down the steep canyon sides.

An off-site visit to the mouth of the canyon, just above the retention basin revealed that the incised stream corridor is approximately eight feet wide, on average, and appears to narrow into the canyon. The canyon floor, just upstream of the sediment retention basin is approximately 30-40 feet wide.

Soils

Due to the methodology used in this study, soils were not examined. However, there has been no disturbances to the canyon bottom, so native soils are likely to be intact.

Vegetation

The vast majority of the plant communities within the 449.4-acre site are mature, high quality, and typical for this region of the Santa Monica Mountains. Exceptions include a few localized disturbances and Mission Canyon 8 Landfill area within the eastern portion of the site. A total of 10 plant communities were identified within the project site, including non-native grasslands, non-native grasslands/disturbed coastal sage scrub, coastal sage scrub, coastal sage-chaparral scrub, mixed chaparral, mixed chaparral/California walnut woodland, California walnut woodland, southern mixed riparian woodland, mixed woodland, and ornamental. Of these plant communities, the California walnut woodland, southern mixed riparian woodland are associated with the riparian areas, and while small tributaries which have ephemeral or intermittent flows traverse other plant communities, they are not directly associated with, or exhibit riparian characteristics, and therefore will not be further described in this report.

In general, mixed chaparral, mixed chaparral and sage scrub, and mixed chaparral/California walnut woodland dominate the slopes, with a more dense vegetation cover occurring on the north-facing slopes. The small drainages in the project site support these same vegetation types, with occasional isolated trees. The large intermittent drainage in the southernmost portion of the project site is composed of mixed riparian woodland that increases in density further to the south.

California Walnut Woodland

California walnut woodland is dominated by southern California black walnut (*Juglans californica* var. *californica*, FAC) and coast live oak (*Quercus agrifolia*, NL). The relatively open tree canopy cover allows for the development of a grassy understory with winter active annuals that grow before the deciduous walnuts produce new leaves. Approximately six acres of the project site support California walnut woodland, predominantly on north and northwest-facing slopes within the western portion of the project site.

Southern Mixed Riparian Woodland

This community, totaling approximately ten acres, occurs along the intermittent drainage and associated tributaries of Bundy Canyon, which is located in the central-southern portion of the project site. Southern mixed riparian woodland occupies approximately ten acres of the project site. The tree canopy is dominated by mature western sycamore (*Platanus racemosa*, FACW), willows (*Salix* spp., FAC - OBL), California walnut, and blue elderberry (*Sambucus mexicana*, FAC), along coast live oaks on the banks. Chaparral species are also present within this riparian community. Understory species include poison oak (*Toxicodendron diversilobum*, NL), desert grape (*Vitis girdiana*, NL), mugwort (*Artemisia douglasiana*, FACW), and heart-leaved penstemon (*Keckiella cordifolia*, NL).

Abbreviations following the plant names above refer to the US Fish and Wildlife Service (USFWS) classification of hydrophytic species according to its frequency of occurrence in waters / wetlands (Table 1).

Table 1
USFWS Hydrophytic Vegetation Categories

Category	Relative Frequency in Wetland Habitats	Example of Species in Category
Obligate Wetland (OBL)	Greater than 99% occurrence in wetlands	Broadleaf Cattail (<i>Typha latifolia</i>)
Facultative-Wetland (FACW)	Estimated 67-99% occurrence in wetlands	Western sycamore (<i>Platanus racemosa</i>)
Facultative (FAC)	Estimated 33-67% occurrence in wetlands	Blue elderberry (<i>Sambucus mexicana</i>)
Facultative-Upland (FACU)	Estimated 1-33% occurrence in wetlands	Dandelion (<i>Taraxacum officinale</i>)
Upland (UPL) Also generally includes species not listed (NL) in the document.	Less than 1% occurrence in wetlands	Coast Live Oak (<i>Quercus agrifolia</i>)
Non-Indicator (NI)	Insufficient information available to determine the indicator status	Buckhorn Cascara (<i>Rhamnus purshiana</i>)

DISCUSSION OF FINDINGS

ACOE Waters of the United States and Wetland Areas (Section 404, Clean Water Act) and CDFG Streambeds (Sections 1600-1603, Fish and Game Code of California)

The site contains the upper part of the Bundy Canyon watershed, which has a mainstem creek with numerous tributaries. The mainstem and tributaries all are classified as riverine, intermittent streambeds

by the Cowardin classification system (Cowardin, 1979). All streams on the site are also classified as Riverine by the HGM system, which is a functional assessment methodology (Brinson, 1993).

“Waters of the United States” defined as those areas below ordinary high water are under the jurisdiction of the ACOE. At the lower end of the watershed, just above the sediment retention basin at the end of N. Bundy Drive the stream width is approximately eight feet wide. For calculation purposes, an average of six feet in width was used, as the creek and tributaries would tend to narrow upstream, but with occasional widenings. All the streams and riparian vegetation are regulated by the California Department of Fish and Game. CDFG riparian corridors include the streambed and channel, extending to the top of the bank, at a minimum, and to the outward extent of the outer edge of the canopy of riparian vegetation, if a canopy is present. The delineation of the CDFG jurisdictional areas are shown on **Figure 3 a-f, Delineation of Waters and Riparian**. **Table 2** presents the area calculations based on the delineation.

Table 2
Jurisdictional Area Calculations Based on the Delineation of Streams on the Mountaingate Site

Figure Number – Photo Number	Waters of the United States Approximate Sq. Ft - Acreage	Streambeds and Riparian Corridors Approximate Sq. Ft - Acreage
Figure 3a- Photo 2-6	6,200 sq. ft. – 0.14 acre	34,252 sq. ft. – 0.79 acre
Figure 3b- Photo 2-8	24,990 sq. ft. – 0.57 acre	68,914 sq. ft. – 1.58 acres
Figure 3c- Photo 2-10	45,099 sq. ft. – 1.04 acres	213,877 sq. ft. – 4.91 acres
Figure 3d- Photo 3-8	17,199 sq. ft. – 0.40 acre	67,660 sq. ft. – 1.55 acres
Figure 3e- Photo 3-10	8,300 sq. ft. – 0.19 acre	15,189 sq. ft. – 0.35 acre
Figure 3f- Photo 1-11	7,199 sq. ft. – 0.17 acre	9,782 sq. ft. – 0.22 acre
Total Area	2.51 acres	9.40 acres

A summary of all the waters and streambeds with acreages, classifications and functions is included at the end of the Discussion of Findings section.

Functional Assessment

All open space performs some ecological function. The degree to which functions are performed depends on their physical (e.g., location, size, soils, available moisture, etc.) and biological (species dominance, composition, diversity, and spacing, etc.) characteristics. Examples of ecological functions include

wildlife habitat, biofiltration, groundwater recharge, storm water attenuation, shoreline stabilization, and sediment movement or trapping. The diversity of functions associated with a particular stream is dependent on the physical and biological characteristics, as well as land and water uses which directly or indirectly affects it.

Each watershed is different in its opportunities and effectiveness to perform different functions. The waters on the Mountaingate site vary considerably in the degree to which functions are performed. Important ecological functions associated with the Mountaingate site are described in Table 3.

While functions may be performed to varying degrees of effectiveness, the values of any given stream/riparian corridor is related to the degree in which functions are performed and to the resources present which are of concern to the local, regional, state, and national interests.

**Table 3
Ecological Functions Associated with Stream and Wetlands in Bundy Canyon on the Mountaingate Site**

Function	Performance – Qualitative Ratings of Opportunity and Effectiveness
Wildlife Habitat	Characteristics of high functions and values associated with wildlife habitat are areas of adequate size, buffers from disturbances, shelter, minimum of disturbances, availability of food plants and water, ability to move to other habitat areas. The Mountaingate site exhibits all of these characteristics.
Biofiltration/ Nutrient Retention or Cycling	At present, there is little opportunity for biofiltration to occur as there are few, if any input of nutrients or pollutants from the watershed.
Shoreline Stabilization/ Sediment Retention	Mature vegetation in the mainstem of the creek and lack of erosion along the steep tributaries, as observed on the aerial photographs suggests that there is little active erosion within the watershed. The sediment retention basin at the mouth of the canyon would effectively remove any sediment moving down the drainage.
Stormwater Attenuation	It is unknown as to where there are pools in the canyon that would function to retain stormwater runoff.
Groundwater Recharge	This function has not been ascertained by this study.

SUMMARY

From the delineation from aerial photography, the area of waters of the U.S under ACOE jurisdiction is estimated to be 2.51 acres, while the streambeds and riparian corridors under the jurisdiction of the CDFG totals approximately (9,40 acres)

Figure 3a
Delineation of Waters and Riparian Corridors

Figure 3b

Figure 3c

Figure 3d

Figure 3e

Figure 3f

REFERENCES

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