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## *Figures*

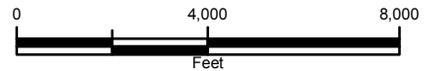
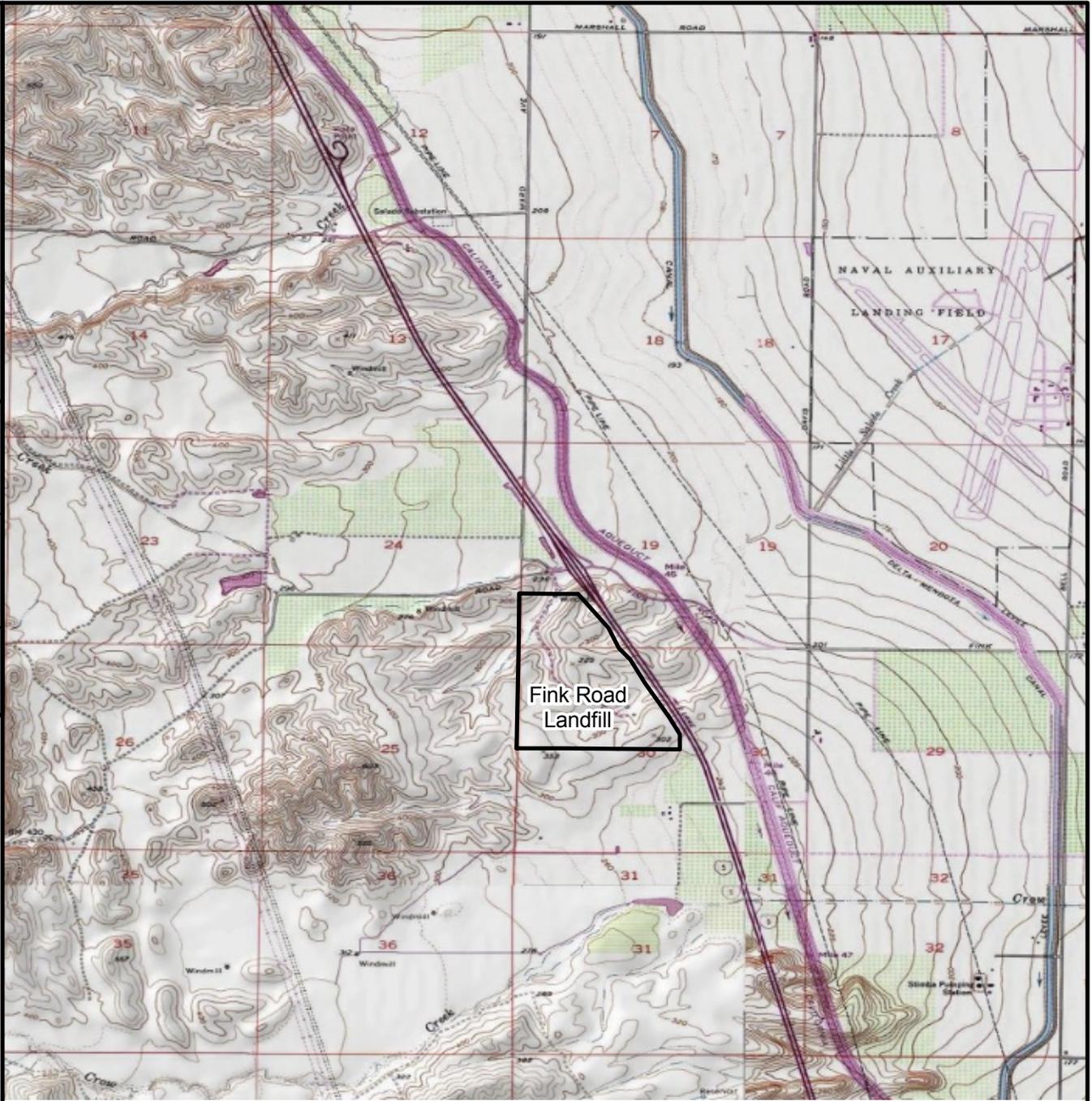
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134138-0309-01.mxd

DRAWING NUMBER

DRAWN BY  
J Johnson 3/23/2009

OFFICE  
Sac



Topo Source: USGS. Street map: ESRI.



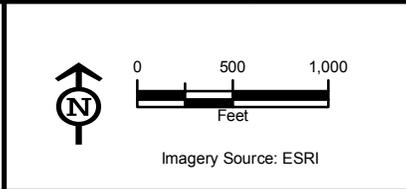
Stanislaus County

**FIGURE 1**  
**Regional Location Map**  
**Fink Road Landfill**  
**4000 Fink Road**  
**Crows Landing, CA**

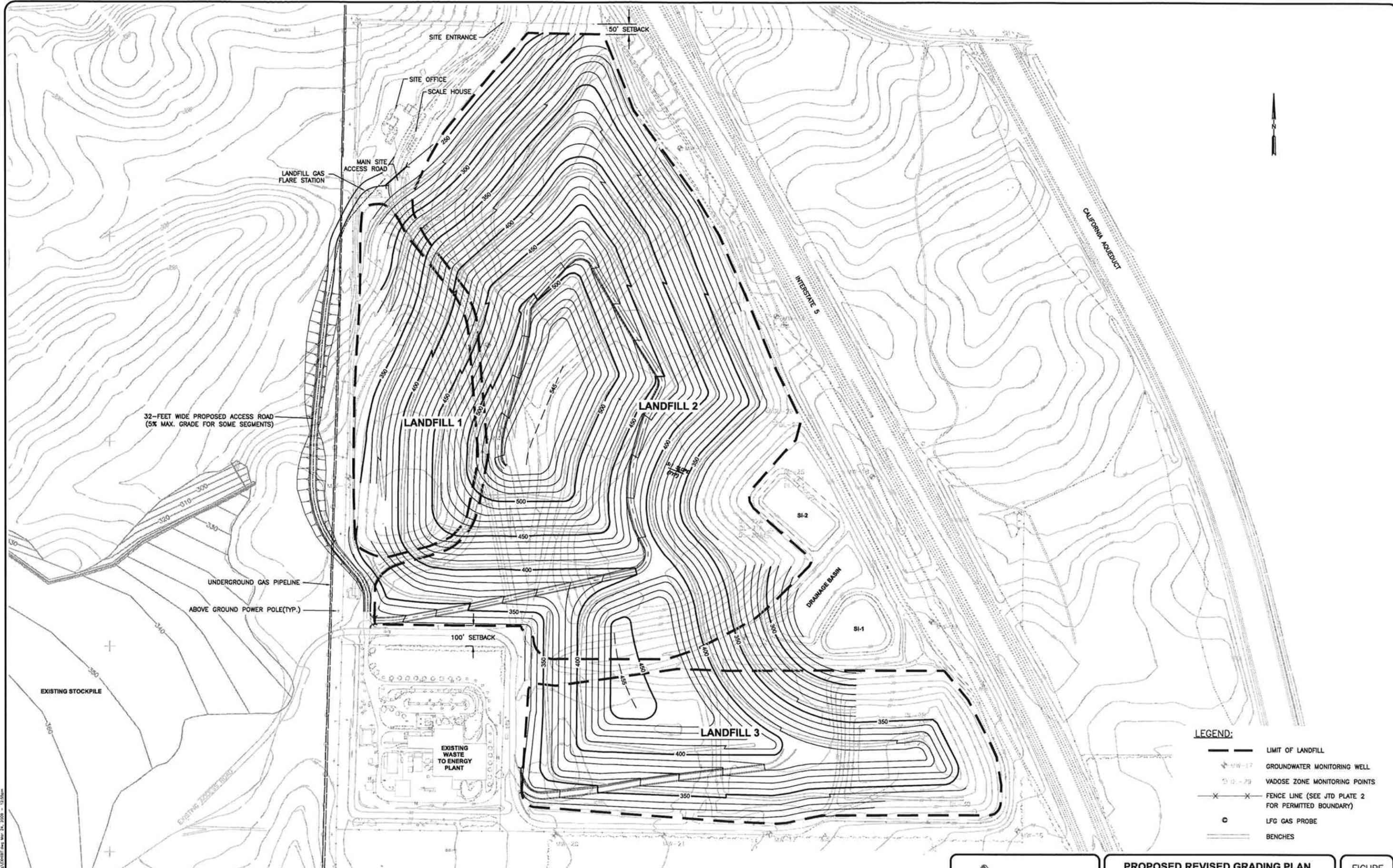
OFFICE	DRAWN BY	DRAWING NUMBER
Sac	J Johnson	134138-0309-02.mxd
	3/24/2009	



Stanislaus County



**FIGURE 2**  
**Site Location Map**  
**Fink Road Landfill**  
**4000 Fink Road**  
**Crows Landing, CA**



1" = 1/2" 0'  
 1" = 1/2" 0'  
 1" = 1/2" 0'

DATE OF STOCKPILE TOPOGRAPHY: APRIL 2, 1999

DATE OF LANDFILL TOPOGRAPHY: OCTOBER 1, 2008  
 BY CARTWRIGHT LAND SURVEYORS  
 5979 FREEPORT BLVD. SACRAMENTO, CA 95822  
 TEL (916) 421-3465 FAX (916) 422-9631



**PROPOSED REVISED GRADING PLAN**  
**FINK ROAD LANDFILL IN-FILL PROJECT**  
 COUNTY OF STANISLAUS  
 STANISLAUS COUNTY, CALIFORNIA

**FIGURE 3**

***Attachment 1***  
***Site Photographs***

**Prepared by:** Shaw  
**Location:** Fink Road Landfill  
**Photographer:** Jody Rhoades  
**Photograph Date:** April 16, 2009

Photograph No. 1  
View looking south from the site office along the main access road to the landfill.



Photograph No. 2  
View looking south from the northwest corner of the landfill property. Landfill 1 is located on the right side of the picture and landfill 2 is located on the left side of the picture. The main access road can be seen running between Landfills 1 and 2.



**Prepared by:** Shaw  
**Location:** Fink Road Landfill  
**Photographer:** Jody Rhoades  
**Photograph Date:** April 16, 2009

Photograph No. 3  
View looking southeast from the northwest corner of the landfill property. Landfill 2 is located in the background of the picture.



Photograph No. 4  
View of area located between landfills 2 and 3 that is proposed for fill-in.



**Prepared by:** Shaw  
**Location:** Fink Road Landfill  
**Photographer:** Jody Rhoades  
**Photograph Date:** April 16, 2009

Photograph No. 5  
View of existing basins 1 and 2  
looking north from landfill 3



Photograph No. 6  
View of the proposed fill-in area  
between landfills 2 and 3.



*Attachment 2*  
*California Natural Diversity Database*  
*(CNDDDB)*

*Special Status Plant and Animal Species Inventory*

**Agelaius tricolor**

tricolored blackbird

Element Code: ABPBXB0020

Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G2G3 CDFG Status: SC  
 State: None State: S2

**Habitat Associations**

**General:** HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.  
**Micro:** REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

**Occurrence No.:** 79      **Map Index:** 11848      **EO Index:** 24743      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1972-05-25  
**Origin:** Natural/Native occurrence      **Site:** 1972-05-25  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2000-07-11

**Quad Summary:** Patterson (3712142/424B)  
**County Summary:** Stanislaus

**Lat/Long:** 37.46244° / -121.17843°      **Township:** 05S  
**UTM:** Zone-10 N4147732 E661096      **Range:** 07E  
**Radius:** 2/5 mile      **Mapping Precision:** NON-SPECIFIC      **Section:** 34      **Qtr:** XX  
**Elevation:** 200 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** PATTERSON EXIT ON I-5, APPROX TWO MI W OF PATTERSON.  
**General:** COLONY OF 1200 TO 1500 OBSERVED NESTING IN CATTAILS; FLEDGING STAGE OF NESTING.  
**Owner/Manager:** UNKNOWN

**Occurrence No.:** 80      **Map Index:** 11898      **EO Index:** 24741      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1971-04-28  
**Origin:** Natural/Native occurrence      **Site:** 1971-04-28  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2000-07-11

**Quad Summary:** Patterson (3712142/424B)  
**County Summary:** Stanislaus

**Lat/Long:** 37.42853° / -121.15326°      **Township:** 06S  
**UTM:** Zone-10 N4144013 E663396      **Range:** 07E  
**Radius:** 2/5 mile      **Mapping Precision:** NON-SPECIFIC      **Section:** 12      **Qtr:** XX  
**Elevation:** 200 ft      **Symbol Type:** POINT      **Meridian:** M

**Location:** TWO MILES SOUTH OF PATTERSON EXIT ON I-5, ABOUT TWO MILES SW OF PATTERSON.  
**Location Detail:** COLONY SIZE ~1 ACRE.  
**Ecological:** HABITAT CONSISTS OF A TULE-LINED DRAINAGE DITCH ALONG FREEWAY IN NONIRRIGATED GRASSLAND. WATER 1-2 FEET DEEP.  
**General:** COLONY OF 1250 OBSERVED NESTING IN CATTAIL/TULE HABITAT; INCUBATION STAGE OF NESTING.  
**Owner/Manager:** UNKNOWN

**Athene cucularia**

burrowing owl

Element Code: ABNSB10010

_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	

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

**General:** OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.  
**Micro:** SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 144	Map Index: 22887	EO Index: 19492	_____ Dates Last Seen _____
Occ Rank: Fair			Element: 1991-10-17
Origin: Natural/Native occurrence			Site: 1991-10-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1993-03-24

**Quad Summary:** Patterson (3712142/424B)

**County Summary:** Stanislaus

Lat/Long: 37.47769° / -121.21112°	Township: 05S
UTM: Zone-10 N4149369 E658172	Range: 07E
Radius: 2/5 mile	Section: 28
Elevation: 300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POINT	

**Location:** DEL PUERTO CANYON ROAD, 0.75 MILE WEST OF I-5, 4 MILES WEST OF PATTERSON.

**Ecological:** HABITAT CONSISTS OF GRASSLAND WITH ROLLING HILLS (RANGELAND).

**General:** ONE INDIVIDUAL OBSERVED STANDING AT BURROW ENTRANCE.

**Owner/Manager:** UNKNOWN

Occurrence No. 588	Map Index: 51393	EO Index: 51393	_____ Dates Last Seen _____
Occ Rank: None			Element: 2003-04-28
Origin: Natural/Native occurrence			Site: 2003-04-28
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 2003-05-27

**Quad Summary:** Patterson (3712142/424B)

**County Summary:** Stanislaus

Lat/Long: 37.46774° / -121.14878°	Township: 05S
UTM: Zone-10 N4148371 E663707	Range: 07E
Radius: 80 meters	Section: 25
Elevation: 115 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

**Location:** JUST EAST OF SALADO CREEK, 1 MILE WEST OF DOWNTOWN PATTERSON

**Ecological:** HABITAT CONSISTS OF A GRADED LOT WITH RUDERAL VEGETATION, INCLUDING HORDEUM MURINUM, VULPIA MYUROS, ETC.; LOTS ARE "INFESTED" WITH GROUND SQUIRRELS.

**Threat:** THREATENED BY DEVELOPMENT (SITE FENCED OFF TO ALLOW NESTING TO CONTINUE, BUT WILL BE BUILT OUT AS SOON AS YOUNG FLEDGE).

**General:** MALE OBSERVED DELIVERING FOOD TO FEMALE AT BURROW ON 28 APR 2003.

**Owner/Manager:** PVT

**Blepharizonia plumosa**

big tarplant

Element Code: PDAST1C011

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

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.  
 Micro: DRY HILLS & PLAINS IN ANNUAL GRASSLAND. CLAY TO CLAY-LOAM SOILS; USUALLY ON SLOPES AND OFTEN IN BURNED AREAS. 15-455M.

Occurrence No. 37 Map Index: 51039 EO Index: 51039 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Poor Element: 2000-10-20  
 Origin: Natural/Native occurrence Site: 2000-10-20  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-11-17

Quad Summary: Patterson (3712142/424B)  
 County Summary: Stanislaus

Lat/Long: 37.47698° / -121.20711° Township: 05S  
 UTM: Zone-10 N4149296 E658529 Range: 07E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 28 Qtr: NW  
 Elevation: 300 ft Symbol Type:POLYGON Meridian: M

Location: LOWER PART OF DEL PUERTO CANYON.  
 Location Detail: SITE MAPPED FROM T-R-S PROVIDED IN NE 1/4 OF NW 1/4 OF SECTION 28.  
 Ecological: NON-NATIVE ANNUAL GRASSLAND, COMPRISED OF 60% HOLOCARPHA HEERMANNII, 15% XANTHIUM STRUMARIUM, 10% HORDEUM MURINUM SSP. LEPORINUM, 10% BRASSICA SP., 5% EREMOCARPUS SETIGERUS. ~5' FROM EPHEMERAL DRAINAGE CHANNEL.  
 Threat: CATTLE GRAZING, PIPELINE RUNS THRU SITE, REPAIRS NEEDED. SEED COLLECTED.  
 General: 2 INDIVIDUALS OBSERVED IN 2000. SITE WILL BE RESEEDDED IN 2001.  
 Owner/Manager: PVT

Occurrence No. 50 Map Index: 67023 EO Index: 67174 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Fair Element: 2003-10-14  
 Origin: Natural/Native occurrence Site: 2003-10-14  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-11-09

Quad Summary: Patterson (3712142/424B)  
 County Summary: Stanislaus

Lat/Long: 37.47789° / -121.21893° Township: 05S  
 UTM: Zone-10 N4149378 E657481 Range: 07E  
 Radius: 80 meters Mapping PrecisionSPECIFIC Section: 29 Qtr: NE  
 Elevation: 245 ft Symbol Type:POINT Meridian: M

Location: LOWER DEL PUERTO CANYON, 1 AIR MILE SW OF I-5.  
 Location Detail: 0.3 AIR MILES SE OF DEL PUERTO FIRE CONTROL STATION, ON BOTH SIDES OF DEL PUERTO ROAD.  
 Ecological: DEEPLY CRACKED CLAY SOILS IN ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, HORDEUM GUSSONEANUM SSP. GUSSONEANUM, BROMUS HORDEACEUS, EREMOCARPUS SETIGERUS, HOLOCARPHA SP.  
 Threat: ROAD MAINTENANCE.  
 General: 17 PLANTS OBSERVED IN 2003.  
 Owner/Manager: STA COUNTY, PVT

Occurrence No. 51 Map Index: 67024 EO Index: 67175 Dates Last Seen: \_\_\_\_\_  
 Occ Rank: Good Element: 2003-10-14  
 Origin: Natural/Native occurrence Site: 2003-10-14  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2006-11-09

Quad Summary: Patterson (3712142/424B)  
 County Summary: Stanislaus

Lat/Long: 37.47503° / -121.22987° Township: 05S  
 UTM: Zone-10 N4149043 E656520 Range: 07E  
 Area: 5.0 acres Mapping PrecisionSPECIFIC Section: 29 Qtr: NW  
 Elevation: 310 ft Symbol Type:POLYGON Meridian: M

Location: LOWER DEL PUERTO CANYON, 1.5 AIR MILE SW OF I-5.  
 Location Detail: 0.3 AIR MILE SW OF DEL PUERTO FIRE CONTROL STATION, ON BOTH SIDES OF DEL PUERTO ROAD.  
 Ecological: N-FACING SLOPE ON CLAY SOILS. ANNUAL GRASSLAND WITH CARDUUS PYCNOCEPHALUS, LAGOPHYLLA RAMOSISSIMA, HORDEUM MURINUM, HIRSCHFELDIA INCANA, GRINDELIA CAMPORUM.  
 Threat: ROAD MAINTENANCE; PLANTS ON ROAD CUT SUBJECT TO EROSION.  
 General: 300 PLANTS OBSERVED IN 2003. PRESTON STATES, "THIS IS A LARGE, NATURAL POPULATION THAT IS MORE LIKELY TO BE THE SOURCE FOR THE ORIGINAL COLLECTIONS FROM DEL PUERTO CANYON."  
 Owner/Manager: STA COUNTY, PVT

**Blepharizonia plumosa**

big tarplant

Element Code: PDAST1C011

Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G1 State: S1.1	CNPS List: 1B.1

**Habitat Associations**

**General:** VALLEY AND FOOTHILL GRASSLAND.

**Micro:** DRY HILLS & PLAINS IN ANNUAL GRASSLAND. CLAY TO CLAY-LOAM SOILS; USUALLY ON SLOPES AND OFTEN IN BURNED AREAS. 15-455M.

California macrophylla

round-leaved filaree

Element Code: PDGER01070

**Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** None **Global:** G3 **CNPS List:** 1B.1  
**State:** None **State:** S3.1

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

**General:** CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.  
**Micro:** CLAY SOILS. 15-1200M.

**Occurrence No.:** 36 **Map Index:** 45760 **EO Index:** 45760 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1940-03-31  
**Origin:** Natural/Native occurrence **Site:** 1940-03-31  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2001-09-04

**Quad Summary:** Patterson (3712142/424B)

**County Summary:** Stanislaus

**Lat/Long:** 37.46462° / -121.17014° **Township:** 05S  
**UTM:** Zone-10 N4147988 E661824 **Range:** 07E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 26 **Qtr:** XX  
**Elevation:** **Symbol Type:** POINT **Meridian:** M

**Location:** 2 MILES WEST OF PATTERSON.

**Location Detail:** EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB 2 MILES WEST OF PATTERSON ALONG SPERRY AVE.

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1940 COLLECTION BY HOOVER. NEEDS FIELDWORK.

**Owner/Manager:** UNKNOWN

Caulanthus coulteri var. lemmonii

Lemmon's jewelflower

Element Code: PDBRA0M0E0

\_\_\_\_\_ Status \_\_\_\_\_

\_\_\_\_\_ NDDDB Element Ranks \_\_\_\_\_

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

Federal: None

Global: G4T2

CNPS List: 1B.2

State: None

State: S2.2

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

General: PINYON-JUNIPER WOODLAND, VALLEY AND FOOTHILL GRASSLAND.

Micro: 80-1220M.

Occurrence No. 33

Map Index: 11768

EO Index: 53732

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

Occ Rank: Unknown

Element: 1938-03-18

Origin: Natural/Native occurrence

Site: 1938-03-18

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2003-12-30

Quad Summary: Patterson (3712142/424B), Westley (3712152/443C)

County Summary: Stanislaus

Lat/Long: 37.48687° / -121.21688°

Township: 05S

UTM: Zone-10 N4150377 E657644

Range: 07E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 20

Qtr: E

Elevation: 500 ft

Symbol Type:POINT

Meridian: M

Location: MOUTH OF DEL PUERTO CANYON.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB, IN THE VICINITY OF THE MOUTH OF DEL PUERTO CANYON AT THE CORRESPONDING ELEVATION PROVIDED BY HOOVER.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1935 AND 1938. NEEDS FIELDWORK. FERRIS COLLECTION FROM "PUERTO CYN" ATTRIBUTED TO THIS SITE.

Owner/Manager: UNKNOWN

**Ceratochrysis menkei**

Menke's cuckoo wasp

Element Code: IIHYM71050

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G1	CDFG Status:
State: None	State: S1	

**Habitat Associations**

General:

Micro:

<b>Occurrence No.</b> 2	<b>Map Index:</b> 59274	<b>EO Index:</b> 59310	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1976-05-22
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1976-05-22
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2007-07-25

**Quad Summary:** Patterson (3712142/424B), Mt. Boardman (3712144/425B), Copper Mtn. (3712143/425A)  
**County Summary:** Stanislaus

<b>Lat/Long:</b> 37.43840° / -121.31991°	<b>Township:</b> 06S
<b>UTM:</b> Zone-10 N4144832 E648630	<b>Range:</b> 06E
<b>Area:</b>	<b>Section:</b> 04 <b>Qtr:</b> XX
<b>Elevation:</b> 1,450 ft	<b>Meridian:</b> M
	<b>Mapping Precision:</b> NON-SPECIFIC
	<b>Symbol Type:</b> POLYGON

**Location:** DEL PUERTO CANYON.  
**Location Detail:** UNKNOWN WHERE IN DEL PUERTO CANYON (STANISLAUS COUNTY) IT WAS COLLECTED SO ALL OF CANYON WAS MAPPED.  
**General:** ONE FEMALE; "PRESUMABLY" THIS SPECIES.  
**Owner/Manager:** PVT

**Eremophila alpestris actia**

California horned lark

Element Code: ABPAT02011

_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G5T3Q	CDFG Status:
State: None	State: S3	

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

**General:** COASTAL REGIONS, CHIEFLY FROM SONOMA CO. TO SAN DIEGO CO. ALSO MAIN PART OF SAN JOAQUIN VALLEY & EAST TO FOOTHILLS.  
**Micro:** SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Occurrence No. 7	Map Index: 34865	EO Index: 18703	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 1993-04-13
Origin: Natural/Native occurrence			Site: 1993-04-13
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-07-30

**Quad Summary:** Patterson (3712142/424B)

**County Summary:** Stanislaus

Lat/Long: 37.38938° / -121.13114°	Township: 06S
UTM: Zone-10 N4139707 E665439	Range: 08E
Radius: 80 meters	Section: 30
Elevation: 250 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

**Location:** SOUTH OF PATTERSON; BETWEEN CALIFORNIA AQUEDUCT AND HWY 5; 1.1 KM SSE OF HWY 5 X FINK ROAD.

**Location Detail:** MILEPOST 356.4 OF EXISTING NATURAL GAS PIPELINE.

**Ecological:** NON-NATIVE GRASSLAND.

**General:** 1 ADULT OBSERVED APPROX. 100 FEET WEST OF PIPELINE.

**Owner/Manager:** UNKNOWN

**Eschscholzia rhombipetala**

diamond-petaled California poppy

Element Code: PDPAP0A0D0

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

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_  
**General:** VALLEY AND FOOTHILL GRASSLAND.  
**Micro:** ALKALINE, CLAY SLOPES AND FLATS. 0-975M.

**Occurrence No.:** 2 **Map Index:** 11768 **EO Index:** 21509 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Unknown **Element:** 1940-04-13  
**Origin:** Natural/Native occurrence **Site:** 1980-XX-XX  
**Presence:** Presumed Extant **Record Last Updated:** 1989-08-11  
**Trend:** Unknown

**Quad Summary:** Patterson (3712142/424B), Westley (3712152/443C)  
**County Summary:** Stanislaus

**Lat/Long:** 37.48687° / -121.21688° **Township:** 05S  
**UTM:** Zone-10 N4150377 E657644 **Range:** 07E  
**Radius:** 1 mile **Mapping Precision:** NON-SPECIFIC **Section:** 20 **Qtr:** E  
**Elevation:** 500 ft **Symbol Type:** POINT **Meridian:** M

**Location:** HILL N OF MOUTH OF DEL PUERTO CANYON.  
**General:** COLLECTED ON HILL. SEARCHED FOR IN 1980 AND PREVIOUS YEARS BUT NOT REDISCOVERED.  
**Owner/Manager:** UNKNOWN

<b>Falco mexicanus</b>		<b>Element Code:</b> ABNKD06090
prairie falcon	<b>Status</b>	<b>Other Lists</b>
<b>Federal:</b> None	<b>NDDB Element Ranks</b>	<b>CDFG Status:</b>
<b>State:</b> None	<b>Global:</b> G5	
	<b>State:</b> S3	
<b>Habitat Associations</b>		
<b>General:</b> INHABITS DRY, OPEN TERRAIN, EITHER LEVEL OR HILLY.		
<b>Micro:</b> BREEDING SITES LOCATED ON CLIFFS. FORAGES FAR AFIELD, EVEN TO MARSHLANDS AND OCEAN SHORES.		

<b>Occurrence No.</b> 446	<b>Map Index:</b> 24870	<b>EO Index:</b> 6505	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 1993-04-20
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1993-04-20
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2008-07-25

**Quad Summary:** Patterson (3712142/424B)  
**County Summary:** Stanislaus

<b>* SENSITIVE *</b>	<b>Lat/Long:</b>	<b>Township:</b>	
	<b>UTM:</b>	<b>Range:</b>	
	<b>Radius:</b>	<b>Section:</b>	<b>Qtr:</b>
	<b>Elevation:</b>	<b>Mapping Precision:</b>	
		<b>Symbol Type:</b>	

**Location:** \*SENSITIVE\* Location information suppressed.  
**Location Detail:** Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information:  
 (916) 324-3812.  
**Ecological:** NESTING HABITAT CONSISTS OF A SANDSTONE CLIFF COMPLEX WITH NUMEROUS POTHoles AND LEDGES.  
**Threat:** THREATS INCLUDE "SCOOPING" YOUNG BIRDS FROM THE NEST.  
**Owner/Manager:**

**Lanius ludovicianus**

loggerhead shrike

Element Code: ABPBR01030

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_  
**Federal:** None **Global:** G4 **CDFG Status:** SC  
**State:** None **State:** S4

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

**General:** BROKEN WOODLANDS, SAVANNAH, PINYON-JUNIPER, JOSHUA TREE, & RIPARIAN WOODLANDS, DESERT OASES, SCRUB & WASHES.  
**Micro:** PREFERS OPEN COUNTRY FOR HUNTING, WITH PERCHES FOR SCANNING, AND FAIRLY DENSE SHRUBS AND BRUSH FOR NESTING.

**Occurrence No.:** 15 **Map Index:** 66732 **EO Index:** 66880 **Dates Last Seen** \_\_\_\_\_  
**Occ Rank:** Excellent **Element:** 2002-05-01  
**Origin:** Natural/Native occurrence **Site:** 2002-05-01  
**Presence:** Presumed Extant  
**Trend:** Unknown **Record Last Updated:** 2006-10-16

**Quad Summary:** Patterson (3712142/424B)

**County Summary:** Stanislaus

**Lat/Long:** 37.46914<sup>o</sup> / -121.17391<sup>o</sup> **Township:** 05S  
**UTM:** Zone-10 N4148484 E661481 **Range:** 07E  
**Radius:** 80 meters **Mapping Precision:**SPECIFIC **Section:** 26 **Qtr:** SW  
**Elevation:** 180 ft **Symbol Type:**POINT **Meridian:** M

**Location:** ABOUT 2.3 MI WEST OF PATTERSON, WESTERN SIDE OF DELTA MENDOTA CANAL.  
**Location Detail:** MAPPED ACCORDING TO UTM COORDINATES GIVEN. NEST IN TUMBLEWEEDS PILED UP AGAINST FENCE.

**Ecological:** RUDERAL HABITAT TO WEST, AGRICULTURE EAST OF CANAL.

**General:** NEST SITE. 2 ADULTS AND 5 EGGS OBSERVED ON 1 MAY 2002.

**Owner/Manager:** UNKNOWN

**Lasiurus cinereus**

hoary bat

Element Code: AMACC05030

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G5 CDFG Status:  
 State: None State: S4?

**Habitat Associations**

**General:** PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING.  
**Micro:** ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.

Occurrence No. 126 Map Index: 59274 EO Index: 68889 \_\_\_\_\_ Dates Last Seen \_\_\_\_\_  
 Occ Rank: Unknown Element: XXXX-XX-XX  
 Origin: Natural/Native occurrence Site: XXXX-XX-XX  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2007-07-25

**Quad Summary:** Patterson (3712142/424B), Mt. Boardman (3712144/425B), Copper Mtn. (3712143/425A)  
**County Summary:** Stanislaus

Lat/Long: 37.43840° / -121.31991° Township: 06S  
 UTM: Zone-10 N4144832 E648630 Range: 06E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 04 Qtr: XX  
 Elevation: 1,450 ft Symbol Type:POLYGON Meridian: M

**Location:** DEL PUERTO CANYON.  
**Location Detail:** MANIS GIVES LOCATION ONLY AS "DEL PUERTO CANYON", STANISLAUS COUNTY. EXACT LOCATION UNKNOWN, ENTIRE CANYON WAS MAPPED.  
**General:** MSU MR.32511-32512, 32577-32578 COLLECTED BY DONALD O. STRANEY ON UNKNOWN DATE.  
**Owner/Manager:** UNKNOWN

Masticophis flagellum ruddocki

San Joaquin whipsnake

Element Code: ARADB21021

\_\_\_\_\_ Status \_\_\_\_\_

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

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

Federal: None

Global: G5T2T3

CDFG Status: SC

State: None

State: S2?

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

General: OPEN, DRY HABITATS WITH LITTLE OR NO TREE COVER. FOUND IN VALLEY GRASSLAND & SALTBUSH SCRUB IN THE SAN JOAQUIN VALLEY.

Micro: NEEDS MAMMAL BURROWS FOR REFUGE AND OVIPOSITION SITES.

Occurrence No. 23

Map Index: 42220

EO Index: 42220

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

Occ Rank: Good

Element: 1998-07-29

Origin: Natural/Native occurrence

Site: 1998-07-29

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2000-01-20

Quad Summary: Patterson (3712142/424B)

County Summary: Stanislaus

Lat/Long: 37.46316° / -121.18364°

Township: 05S

UTM: Zone-10 N4147803 E660634

Range: 07E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 34

Qtr: NE

Elevation: 280 ft

Symbol Type:POLYGON

Meridian: M

Location: DEL PUERTO CANYON ROAD, 0.25 MILES WEST OF I-5, WEST OF PATTERSON.

Ecological: HABITAT SURROUNDING ROADWAY CONSISTS OF NON-NATIVE GRASSLAND.

Threat: POSSIBLY THREATENED BY ROAD IMPROVEMENT PROJECTS.

General: 1 DEAD ADULT FOUND ON DEL PUERTO CANYON ROAD.

Owner/Manager: PVT

**Spea hammondii**

western spadefoot

Element Code: AAABF02020

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G3 CDFG Status: SC  
 State: None State: S3

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.  
 Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 170 Map Index: 42144 EO Index: 42144 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 1994-05-10  
 Origin: Natural/Native occurrence Site: 1994-05-10  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2000-01-12

Quad Summary: Patterson (3712142/424B), Copper Mtn. (3712143/425A)  
 County Summary: Stanislaus

Lat/Long: 37.39810° / -121.25822° Township: 06S  
 UTM: Zone-10 N4140460 E654171 Range: 07E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 19 Qtr: XX  
 Elevation: 1,100 ft Symbol Type:POLYGON Meridian: M

Location: SALADO CREEK, ON THE WEST SIDE OF OAK FLAT ROAD, 7 MILES SW OF PATTERSON.  
 Location Detail: TADPOLES OBSERVED IN SEVERAL POOLS IN SALADO CREEK AND ADJACENT STOCKPONDS IN OAK FLAT VALLEY.  
 Ecological: HABITAT CONSISTS OF AN EPHEMERAL CREEK RUNNING THROUGH A MIXTURE OF NATIVE AND NON-NATIVE GRASSLAND, SCRUB, AND WOODLAND.  
 Threat: THREATENED BY PROPOSED DEVELOPMENT (RESIDENTIAL AND A GOLF COURSE).  
 General: 2+ ADULTS AND 100+ JUVENILES OBSERVED ON 10 MAY 1994.  
 Owner/Manager: PVT

Occurrence No. 175 Map Index: 42146 EO Index: 42146 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 1994-05-13  
 Origin: Natural/Native occurrence Site: 1994-05-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2000-01-12

Quad Summary: Patterson (3712142/424B)  
 County Summary: Stanislaus

Lat/Long: 37.42947° / -121.23390° Township: 06S  
 UTM: Zone-10 N4143980 E656258 Range: 07E  
 Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 07 Qtr: NE  
 Elevation: 1,100 ft Symbol Type:POINT Meridian: M

Location: NORTH SIDE OF SALADO CREEK, JUST EAST OF OAK FLAT VALLEY, 6 MILES SW OF PATTERSON.  
 Ecological: HABITAT CONSISTS OF A STOCKPOND, SURROUNDED BY A MIXTURE OF NATIVE AND NON-NATIVE GRASSLAND, SCRUB, AND WOODLAND.  
 Threat: THREATENED BY A PROPOSED ROAD IMPROVEMENT PROJECT.  
 General: 10+ JUVENILES OBSERVED ON 13 MAY 1994.  
 Owner/Manager: PVT

Occurrence No. 176 Map Index: 42148 EO Index: 42148 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Good Element: 1994-05-15  
 Origin: Natural/Native occurrence Site: 1994-05-15  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2000-01-12

Quad Summary: Patterson (3712142/424B)  
 County Summary: Stanislaus

Lat/Long: 37.41712° / -121.18424° Township: 06S  
 UTM: Zone-10 N4142694 E660679 Range: 07E  
 Area: Mapping PrecisionNON-SPECIFIC Section: 15 Qtr: NW  
 Elevation: 200 ft Symbol Type:POLYGON Meridian: M

Location: SALADO CREEK, ABOUT 1.5 MILES WEST OF 1-5, 4.5 MILES SW OF PATTERSON  
 Location Detail: TADPOLES FOUND IN A POOL, AT THE WEST END OF A CHERRY ORCHARD.  
 Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND, WITH NUMEROUS NATURAL AND ARTIFICIALLY-CREATED VERNAL POOLS.  
 Threat: THREATENED BY A PROPOSED ROAD IMPROVEMENT PROJECT.  
 General: 10+ TADPOLES OBSERVED ON 15 MAY 1994.  
 Owner/Manager: PVT

Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
 Federal: None Global: G5 CDFG Status: SC  
 State: None State: S4

Habitat Associations

General: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.  
 Micro: NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

Occurrence No. 71 Map Index: 56586 EO Index: 56602 Dates Last Seen \_\_\_\_\_  
 Occ Rank: Fair Element: 1989-04-13  
 Origin: Natural/Native occurrence Site: 1989-04-13  
 Presence: Presumed Extant  
 Trend: Unknown Record Last Updated: 2004-09-01

Quad Summary: Patterson (3712142/424B)  
 County Summary: Stanislaus

Lat/Long: 37.40600<sup>o</sup> / -121.17285<sup>o</sup> Township: 06S  
 UTM: Zone-10 N4141479 E661711 Range: 07E  
 Radius: 1/5 mile Mapping Precision: NON-SPECIFIC Section: 23 Qtr: NW  
 Elevation: 400 ft Symbol Type: POINT Meridian: M

Location: VICINITY OF LITTLE SALADO CREEK AND POWER TRANSMISSION LINES, 5 MILES SSW OF PATTERSON.

Ecological: HABITAT CONSISTS OF WALNUT ORCHARD AND ADJACENT RUDERAL GRASSLAND.

Threat: PROPOSED FOR DEVELOPMENT.

General: 1 ADULT OBSERVED ON 2 CONSECUTIVE NOCTURNAL SURVEYS, 12-13 APR 1989.

Owner/Manager: PVT

**Vulpes macrotis mutica**

San Joaquin kit fox

Element Code: AMAJA03041

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: Endangered State: Threatened	Global: G4T2T3 State: S2S3	CDFG Status:

**Habitat Associations**

**General:** ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.  
**Micro:** NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.

<b>Occurrence No.</b> 80	<b>Map Index:</b> 53784	<b>EO Index:</b> 53784	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1973-10-13
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1973-10-13
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2004-01-05

**Quad Summary:** Patterson (3712142/424B)  
**County Summary:** Stanislaus

<b>Lat/Long:</b> 37.47364° / -121.20704°	<b>Township:</b> 05S
<b>UTM:</b> Zone-10 N4148926 E658542	<b>Range:</b> 07E
<b>Area:</b>	<b>Section:</b> 28
<b>Elevation:</b> 400 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POLYGON	

**Location:** NEAR MOUTH OF DEL PUERTO CANYON, ABOUT 3.5 MI WEST, 0.75 MI N OF PATTERSON (FROM THE INTERSECTION OF J17 & WARD AVE).  
**Location Detail:** MAPPED ACCORDING TO T-R-S GIVEN (T5S, R7E, SE 1/4 OF NW 1/4 OF SEC 28), NOT FROM GENERAL DIRECTIONS.

**Ecological:** ANNUAL GRASSLAND  
**General:** ONE INDIVIDUAL OBSERVED

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 206	<b>Map Index:</b> 62796	<b>EO Index:</b> 62850	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 2004-08-23
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2004-08-23
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2005-10-06

**Quad Summary:** Patterson (3712142/424B)  
**County Summary:** Stanislaus

<b>Lat/Long:</b> 37.46819° / -121.18539°	<b>Township:</b> 05S
<b>UTM:</b> Zone-10 N4148358 E660468	<b>Range:</b> 07E
<b>Radius:</b> 1/10 mile	<b>Section:</b> 27
<b>Elevation:</b> 300 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> S
<b>Symbol Type:</b> POINT	

**Location:** WEST SHOULDER OF I-5, 3 MILES DIRECTLY WEST OF PATTERSON.  
**Location Detail:** LOCATION MAPPED ACCORDING TO UTM COORDINATES.

**Ecological:** WEST SIDE INTERSTATE: ANNUAL GRASSLAND W/ RELATIVELY STEEP SOUTHEAST ASPECT & AN ANIMAL PATH LEADING DOWN TO ROADWAY. EAST SIDE INTERSTATE: PATCHY GRASSLAND, ORCHARDS & AQUEDUCT. CURR/SURR LAND USE: INTERSTATE TRAFFIC, GRAZING, ORCHARD.

**Threat:** MORTALITY ASSOCIATED WITH VEHICLE STRIKES.

**General:** 1 ADULT FEMALE FOUND DEAD ALONG ROAD ON 23 AUG 2004. LIKELY KILLED EARLY IN THE MORNING OR NIGHT BEFORE BY VEHICLE STRIKE.

**Owner/Manager:** UNKNOWN

<b>Occurrence No.</b> 548	<b>Map Index:</b> 67248	<b>EO Index:</b> 67410	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Poor			<b>Element:</b> 1989-04-11
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1989-04-11
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2006-11-28

**Quad Summary:** Patterson (3712142/424B)  
**County Summary:** Stanislaus

<b>Lat/Long:</b> 37.39515° / -121.15118°	<b>Township:</b> 06S
<b>UTM:</b> Zone-10 N4140314 E663652	<b>Range:</b> 07E
<b>Radius:</b> 80 meters	<b>Section:</b> 24
<b>Elevation:</b> 300 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	

**Location:** 0.75 MI WSW OF I-5/FINK RD INTERCHANGE.

**Ecological:** WALNUT ORCHARD ADJACENT TO NON-NATIVE GRASSLAND.

**Threat:** PROPOSED PLANNING COMMUNITY WOULD ELIMINATE ORCHARD AND ADJACENT GRASSLANDS.

**General:** FORAGING SITE. 1 ADULT OBSERVED DURING NOCTURNAL SUVERY ON 11 APR 1989.

**Owner/Manager:** PVT