

Attachment 3.2-1
CNDDDB Field Survey Forms

California Native Species Field Survey Form

Mail to:
 Natural Diversity Data Base
 California Dept. of Fish and Game
 1416 Ninth Street, 12th Floor
 Sacramento CA 95814

For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 15-16 01
mo day year

Scientific Name: *Speotyto cunicularia*

Common Name: Burrowing owl

Species found? _____
yes no If not, why?

Total # of individuals 5 Subsequent visit? yes no

Is this an existing NDDB occurrence? _____ no unk.
Yes, Occ. #

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 5
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 3.

County: San Joaquin Landowner/manager Private

Quad name: Midway Elevation (ft) 500 UTM Zone Northing Easting
T 3S, R 4E, N 1/2 Sec. 3

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)
Rangeland

Other rare species?

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 3.

Threats:
 Comments: 4 active burrows 1 individual observed foraging.

Determination: (Check one or more, fill in the blanks)

___ Keyed in a site reference: _____

___ Compared with specimen housed at: _____

___ Compared with photo/drawing in: _____

___ By another person (name): _____

___ Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____

Habitat _____

Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 16 01
mo day year

Scientific Name: *Speotyto cunicularia*
 Common Name: Burrowing owl

Species found?
yes no if not, why?

Total # if individuals 1 Subsequent visit? yes no

Is this an existing NDDDB occurrence? no unk.
Yes, Occ. #

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 1
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 4.

County: San Joaquin Landowner/manager Private

Quad name: Midway Elevation (ft) 500 UTM Zone T 3S, R 4E, NW 1/4 Sec. 4 Northing _____ Easting _____

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)

Rangeland

Other rare species? _____

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 4.

Threats: _____

Comments: 1 active burrow observed.

Determination: (Check one or more, fill in the blanks)

Keyed in a site reference: _____

Compared with specimen housed at: _____

Compared with photo/drawing in: _____

By another person (name): _____

Other: _____

Photographs: (Check one or more)

Plant/animal _____ Slide Print _____

Habitat _____

Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 9 01
mo day year

Scientific Name: *Speotyto cunicularia*

Common Name: Burrowing owl

Species found? yes no If not, why? _____
 Total # if individuals 3 Subsequent visit? yes no
 Is this an existing NDDB occurrence? Yes, Occ. # no unk.
 Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309
 Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 3
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 5.

County: San Joaquin Landowner/manager Private
 Quad name: Midway Elevation (ft) 400 UTM Zone T 2S, R 4E, SW 1/4 Sec. 33
 Northing _____ Easting _____

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)
Rangeland

Other rare species? _____

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 5.
 Threats: _____
 Comments: 3 active burrows observed.

Determination: (Check one or more, fill in the blanks)

Keyed in a site reference: _____
 Compared with specimen housed at: _____
 Compared with photo/drawing in: _____
 By another person (name): _____
 Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____
 Habitat _____
 Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 16 01
mo day year

Scientific Name: *Aquila chrysaetos*
 Common Name: Golden eagle

Species found? _____
yes no If not, why?

Total # if individuals 1 Subsequent visit? yes no

Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. #

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 1
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 3.

County: San Joaquin Landowner/manager Private

Quad name: Midway Elevation (ft) 600 UTM Zone _____ Northing _____ Easting _____
T 3S, R 4E, SW 1/4 Sec. 3

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)

Rangeland

Other rare species? _____

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 3.

Threats: _____
 Comments: _____

Determination: (Check one or more, fill in the blanks)

___ Keyed in a site reference: _____
 ___ Compared with specimen housed at: _____
 ___ Compared with photo/drawing in: _____
 ___ By another person (name): _____
 ___ Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____
 Habitat _____
 Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 16 01
mo day year

Scientific Name: Elanus leucurus
 Common Name: White-tailed kite

Species found?
yes no If not, why?

Total # if individuals 1 Subsequent visit? yes no

Is this an existing NDDDB occurrence? no unk.
Yes, Occ. #

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 1
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back) See attached Map.

County: San Joaquin Landowner/manager Private

Quad name: Tracy Elevation (ft) 200 UTM Zone _____ Northing _____ Easting _____
T 2S, R 4E, SW 1/4 Sec.36

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)
cultivated oat field

Other rare species? _____

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 1.

Threats: _____
 Comments: _____

Determination: (Check one or more, fill in the blanks)

Keyed in a site reference: _____
 Compared with specimen housed at: _____
 Compared with photo/drawing in: _____
 By another person (name): _____
 Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____
 Habitat _____
 Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 16 01
mo day year

Scientific Name: *Lanius ludovicianus*

Common Name: Loggerhead shrike

Species found? yes no If not, why? _____
 Total # of individuals 1 Subsequent visit? yes no
 Is this an existing NDDDB occurrence? Yes, Occ. # no unk.
 Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309
 Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 1 # adults # juveniles # unknown
 nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map.

County: San Joaquin Landowner/manager Private
 Quad name: Tracy Elevation (ft) 200 UTM Zone T 2S, R 4E, SE 1/4 Sec.35 Northing _____ Easting _____

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)
cultivated field

Other rare species? _____

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 1.
 Threats: _____
 Comments: _____

Determination: (Check one or more, fill in the blanks)

Keyed in a site reference: _____
 Compared with specimen housed at: _____
 Compared with photo/drawing in: _____
 By another person (name): _____
 Other: _____

Photographs: (Check one or more) Slide Print
 Plant/animal _____
 Habitat _____
 Diagnostic Feature _____
 May we obtain duplicates at our expense? Yes No

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Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 15 01
mo day year

Scientific Name: *Lanius ludovicianus*
 Common Name: Loggerhead shrike

Species found?
yes no If not, why?

Total # if individuals 3 Subsequent visit? yes no

Is this an existing NDDDB occurrence? no unk.
Yes, Occ. #

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 3
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 3.

County: San Joaquin Landowner/manager Private

Quad name: Midway Elevation (ft) 500 UTM Zone Northing Easting Easting
T 3S, R 4E, NE 1/4 Sec. 3

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)
Rangeland

Other rare species?

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 3.

Threats:
 Comments:

Determination: (Check one or more, fill in the blanks)

Keyed in a site reference: _____
 Compared with specimen housed at: _____
 Compared with photo/drawing in: _____
 By another person (name): _____
 Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____
 Habitat _____
 Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 9 01
mo day year

Scientific Name: *Lanius ludovicianus*
 Common Name: Loggerhead shrike

Species found?
yes no if not, why?

Total # if individuals 1 Subsequent visit? yes no

Is this an existing NDDDB occurrence? no unk.
Yes, Occ. #

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 1 _____
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 5.

County: San Joaquin Landowner/manager Private

Quad name: Midway Elevation (ft) 200 UTM Zone _____ Northing _____ Easting _____
T 2S, R 4E, SE 1/4 Sec.32

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)

Rangeland

Other rare species? _____

Site Information: Overall site quality: good
 Current/surrounding land use: See attached Map 5.

Threats: _____
 Comments: _____

Determination: (Check one or more, fill in the blanks)

___ Keyed in a site reference: _____
 ___ Compared with specimen housed at: _____
 ___ Compared with photo/drawing in: _____
 ___ By another person (name): _____
 ___ Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____
 Habitat _____
 Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

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For office use only	
Source Code _____	Quad Code _____
Elm Code _____	Occ # _____
Copy to _____	Map Index # _____

Date of field work 5 15 01
mo day year

Scientific Name: *Falco mexicanus*
 Common Name: Prairie falcon

Species found?
yes no If not, why?

Total # if individuals 1 Subsequent visit? yes no

Is this an existing NDDDB occurrence? Yes, Occ. # _____ no unk.

Collection: If yes _____
number Museum/Herbarium

Reporter: Bill Vanherweg
 Address: 332 North Stine Rd.
 Bakersfield, CA 93309

Phone: (805) 839-0375

Plant Information

Phenology: _____
% vegetative % flowering % fruiting

Animal Information

Age Structure: 1
adults # juveniles # unknown

nesting breeding foraging wintering roosting burrow site other

Location (Please also attach or draw map on back.) See attached Map 3.

County: San Joaquin Landowner/manager Private

Quad name: Midway Elevation (ft) 500 UTM Zone T 3S, R 4E, NE 1/4 Sec. 3 Northing _____ Easting _____

Habitat Description (Plant communities, dominants, associates, substrates/soils, aspects/slope)

Rangeland

Other rare species? _____

Site Information: Overall site quality: good

Current/surrounding land use: See attached Map 3.

Threats: _____

Comments: _____

Determination: (Check one or more, fill in the blanks)

___ Keyed in a site reference: _____

___ Compared with specimen housed at: _____

___ Compared with photo/drawing in: _____

___ By another person (name): _____

___ Other: _____

Photographs: (Check one or more) Slide Print

Plant/animal _____

Habitat _____

Diagnostic Feature _____

May we obtain duplicates at our expense? Yes No

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

AMBYSTOMA CALIFORNIENSE
CALIFORNIA TIGER SALAMANDER
Element Code: AAAAA01147

—List Status—	NDDB Element Ranks—	Other Lists—
Federal: Endangered	Global: G2G3	CDFG Status: SC
State: None	State: S2S3	

—Habitat Associations—

General: FEDERAL LISTING REFERS TO POPULATIONS IN SANTA BARBARA COUNTY ONLY.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 102	Map Index:17087	—Dates Last Seen—	Lat/Long: 37°38'03" / 121°32'47"	Township: 03S
Occ Rank: Excellent		Element: 1998-01-27	UTM: Zone-10 N4166030 E628241	Range: 04E
Origin: Natural/Native occurrence		Site: 1998-01-27	Precision: NON-SPECIFIC	Section: 33 Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 346.8 ac	Elevation: 700 ft
Main Source: BEEMAN, G. 1989 (OBS)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: ALAMEDA, SAN JOAQUIN				
SNA Summary: Draney Canyon				
Location: ALONG PORTIONS OF TESLA AND CORRAL HOLLOW ROADS, BETWEEN TRACY AND LIVERMORE.				

—Comments—

Distribution: SALAMANDERS SEEN BY DRIVING ALONG THIS PORTION OF ROAD ON RAINY NIGHTS.
Ecological: HABITAT CONSISTS OF THE GRASSLAND/RIPARIAN INTERGRADE BETWEEN CORRAL HOLLOW CREEK AND ADJACENT FARMLANDS. VERNAL POOLS NEARBY.
Threat: THREATENED BY ORV ACTIVITY & VEHICLES ON CORRAL HOLLOW ROAD.
General: SALAMANDERS OBSERVED DEAD ON ROAD 1.05 MILES EAST OF ALAMEDA-SAN JOAQUIN COUNTY LINE IN 1987. 2-10 INDIVIDUALS OBSERVED IN 1989. 5 ADULTS OBSERVED CRUSHED ON THE ROADWAY IN 1992. 1 COLLECTED IN SEC 35 ON 1/27/98.
Owner/Manager: DPR-CARNEGIE SVRA, UNKNOWN

Occurrence No. 104	Map Index:17089	—Dates Last Seen—	Lat/Long: 37°44'07" / 121°40'11"	Township: 02S
Occ Rank: Fair		Element: 1995-01-26	UTM: Zone-10 N4177074 E617208	Range: 03W
Origin: Natural/Native occurrence		Site: 1995-01-26	Precision: NON-SPECIFIC	Section: 22 Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 732.1 ac	Elevation: 500 ft
Main Source: LYNCH, S. 1995 (OBS)				
Quad Summary: ALTAMONT (3712166/445B)*, MIDWAY (3712165/445A)				
County Summary: ALAMEDA				
SNA Summary: Redmond Cut				
Location: ALTAMONT PASS ROAD BTWN GREENVILLE AND NORTH MIDWAY ROAD, AND THE SOUTHERN HALF OF DYER ROAD.				

—Comments—

Distribution: NO ROUTES EXIST FOR SALAMANDERS TO MIGRATE UNDER OR AROUND ALTAMONT PASS ROAD.
Ecological: OPEN, GRAZED GRASSLAND WITH NEARBY CREEKS & PONDS. ALTAMONT CREEK IS BROAD AND SLOW MOVING; RESEMBLES INUNDATED WETLAND WITH SPARSE EMERGENT VEGETATION; SURROUNDING HILLS SUPPORT NON-NATIVE GRASSLAND.
Threat: CATTLE GRAZING; WIND ENERGY PRODUCTION IN SURROUNDING HILLS; HEAVY COMMUTER TRAFFIC; GARBAGE TRUCKS; WIDENING OF ROAD.
General: 1989-APPROX. 30 OBSERVED WHILE DRIVING DURING A MEDIUM/HEAVY RAIN BTW 8-11PM. 1993, 4 ANIMALS OBSERVED IN DITCHES, DRYER ROAD. 1995, 42 ADULTS OBSERVED; SOME ROADKILLS PRESENT ALTMONT & DRYER ROADS.
Owner/Manager: UNKNOWN

Occurrence No. 106	Map Index:17093	—Dates Last Seen—	Lat/Long: 37°39'16" / 121°40'02"	Township: 03S
Occ Rank: Excellent		Element: 1989-11-25	UTM: Zone-10 N4168115 E617570	Range: 03E
Origin: Natural/Native occurrence		Site: 1989-11-25	Precision: NON-SPECIFIC	Section: 21 Qtr SW
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 834.4 ac	Elevation:
Main Source: BEEMAN, G. 1989 (OBS)				
Quad Summary: ALTAMONT (3712166/445B)*, MIDWAY (3712165/445A)				
County Summary: ALAMEDA				
SNA Summary: Draney Canyon				
Location: ALONG TESLA ROAD AND A SMALL PORTION OF GREENVILLE ROAD, SOUTHEAST OF LIVERMORE.				

—Comments—

Distribution: ABOUT 15 SALAMANDERS OBSERVED WHILE DRIVING ALONG THESE ROADS DURING A MEDIUM TO HEAVY RAIN BTWN 8-11 PM.
Ecological: OPEN, GRAZED GRASSLAND WITH NEARBY CREEKS & PONDS.
Threat: CATTLE GRAZING.
General:
Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

AMBYSTOMA CALIFORNIENSE (cont.)
CALIFORNIA TIGER SALAMANDER
Element Code: AAAAA01147

—List Status—
Federal: Endangered
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

—Other Lists—
CDFG Status: SC

Occurrence No. 130 Map Index:23735 —Dates Last Seen— Lat/Long: 37°42'38" / 121°36'47" Township: 02S
Occ Rank: Good Element: 1993-04-14 UTM: Zone-10 N4174398 E622265 Range: 03E
Origin: Natural/Native occurrence Site: 1993-04-14 Precision: SPECIFIC Section: 35 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 650 ft
Main Source: MORI, B. 1993 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: 2 MILES SOUTHWEST OF THE JUNCTION OF I-580/I-205, 10 MILES SE OF LIVERMORE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A STOCK RESERVOIR LOCATED IN A SHALLOW CREEK CHANNEL ON THE VALLEY FLOOR; WATER IS ABOUT 3.5 INCHES DEEP AND TEA-COLORED. TYPHA, CAREX, AND OTHER AQUATIC VEGETATION ABUNDANT. ADJACENT UPLAND IS GRAZED ANNUAL GRASSLAND.
Threat: THREATENED BY A PROPOSAL TO USE THIS SITE FOR LANDFILL.
General: 10 SALAMANDER LARVAE OBSERVED AT THIS SITE. RANA AURORA DRAYTONI ALSO FOUND HERE.
Owner/Manager: PVT

Occurrence No. 189 Map Index:25036 —Dates Last Seen— Lat/Long: 37°42'52" / 121°36'34" Township: 02S
Occ Rank: Excellent Element: 1993-04-14 UTM: Zone-10 N4174837 E622553 Range: 03E
Origin: Natural/Native occurrence Site: 1993-04-14 Precision: SPECIFIC Section: 35 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 500 ft
Main Source: MORI, B. 1993 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: 1.5 MILES SOUTHWEST OF THE I-580/I-205 JUNCTION, 10 MILES SE OF LIVERMORE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A BERMED STOCK RESERVOIR, 80-90 FEET IN DIAMETER. WATER IS UP TO 4 FEET DEEP, CLEAR, AND 50% OPEN; 25% TYPHA AND 25% CAREX/ELODEA COVERAGE. POND MARGIN WITH DENSE GRASS AND RUSH COVER; ADJACENT UPLAND IS GRAZED GRASSLAND
Threat: THREATENED BY A PROPOSED LANDFILL EXPANSION PROJECT.
General: 4 LARVAE OBSERVED ON 14 APRIL 1993. RANA AURORA DRAYTONI LARVAE AND HYLA ADULTS AND LARVAE ALSO PRESENT AT THIS SITE.
Owner/Manager: PVT

Occurrence No. 330 Map Index:33111 —Dates Last Seen— Lat/Long: 37°44'01" / 121°36'32" Township: 02S
Occ Rank: Good Element: 1994-04-27 UTM: Zone-10 N4176950 E622583 Range: 03E
Origin: Natural/Native occurrence Site: 1994-04-27 Precision: SPECIFIC Section: 26 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 460 ft
Main Source: ALLABACK, M. 1994 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: SOUTH OF MOUNTAIN HOUSE CREEK, 2.4 MILES WSW OF MOUNTAIN HOUSE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY ANNUAL GRASSLAND. CALIFORNIA RED-LEGGED FROG LARVAE ALSO FOUND AT THIS SITE.
Threat: POSSIBLE THREAT FROM CATTLE GRAZING.
General: >100 LARVAE OBSERVED ON 27 APRIL 1994.
Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

SCAPHIOPUS HAMMONDII
WESTERN SPADEFOOT
Element Code: AAABF01030

-----List 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. 31 Map Index:23074 ---Dates Last Seen--- Lat/Long: 37°37'58" / 121°32'16" Township: 03S
Occ Rank: Good Element: 1992-11-14 UTM: Zone-10 N4165869 E629012 Range: 04E
Origin: Natural/Native occurrence Site: 1992-11-14 Precision: SPECIFIC Section: 33 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 660 ft
Main Source: MULLEN, D. & G. BEEMAN 1992 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: JUST NORTH OF CORRAL HOLLOW ROAD, 12 MILES WEST OF TRACY, WITHIN CARNEGIE OHV RECREATION AREA.
-----Comments-----
Distribution: POND NORTH OF CORRAL HOLLOW ROAD (1992) AND DEAD ON ROAD (1987).
Ecological: HABITAT CONSISTS OF A SMALL POND ALONG CORRAL HOLLOW CREEK, WITHIN RIPARIAN HABITAT.
Threat: THREATENED BY HABITAT DESTRUCTION BY ORV'S.
General: TWO ADULTS OBSERVED 1992. OBSERVED SPECIMEN DEAD ON ROAD IN 1987.
Owner/Manager: DPR-CARNEGIE SVRA

Occurrence No. 52 Map Index:32321 ---Dates Last Seen--- Lat/Long: 37°38'32" / 121°29'26" Township: 03S
Occ Rank: Excellent Element: 1992-05-18 UTM: Zone-10 N4166991 E633166 Range: 04E
Origin: Natural/Native occurrence Site: 1992-05-18 Precision: NON-SPECIFIC Section: 25 Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Stable Radius: 3/5 mile Elevation: 475 ft
Main Source: WORKMAN, M. & T. KING 1992 (OBS)
Quad Summary: TRACY (3712164/444B)*, MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: SSW OF TRACY; CORRAL HOLLOW; APPROX. 0.6 KM NORTH OF CASTLE ROCK.
-----Comments-----
Distribution: UNKNOWN NUMBER COLLECTED FROM CORRAL HOLLOW 10 JUNE 1985 & DEPOSITED IN WAYNE STATE NATURAL HISTORY MUSEUM.
Ecological: VALLEY FOOTHILL RIPARIAN; GRASSLAND.
Threat: SILTATION FROM NEARBY ORV PARK; AREA NOT OPEN FOR PUBLIC ACCESS.
General: MARCH 1992: NO SPADEFOOT OBS; NO RANA AURORA OBS; BUFO BOREAS OBS AMPLEXING. APRIL 1992: MANY SPADEFOOT TADPOLES OBS; BUFO BOREAS, Hyla regilla & RANA AURORA TADPOLES OBS. MAY 1992: SPADEFOOT JUVENILES OBS BURROWING INTO SAND.
Owner/Manager: DFG-CORRAL HOLLOW ER

Occurrence No. 152 Map Index:38749 ---Dates Last Seen--- Lat/Long: 37°38'13" / 121°33'36" Township: 03S
Occ Rank: Fair Element: 1998-01-26 UTM: Zone-10 N4166299 E627044 Range: 04E
Origin: Natural/Native occurrence Site: 1998-01-26 Precision: SPECIFIC Section: 29 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 720 ft
Main Source: JENNINGS, M. 1998 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: CORRAL HOLLOW ROAD, 0.2 MILE WEST OF THE ALA/SJQ COUNTY LINE, BETWEEN LIVERMORE AND TRACY.
-----Comments-----
Distribution:
Ecological: HABITAT IN THE AREA CONSISTS OF VERNAL POOLS SURROUNDED BY GRASSLAND/CHAPARRAL.
Threat: THREATENED BY VEHICULAR TRAFFIC ON THE ROADWAY AND ORV'S CRUSHING BURROWS AND CAUSING SILTATION OF POOLS.
General: 1 ADULT COLLECTED ON 26 JANUARY 1998 AND DEPOSITED AT CAS (#MRJ 1346).
Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

RANA AURORA DRAYTONII
CALIFORNIA RED-LEGGED FROG
Element Code: AAABH01022

—List Status—	NDDB Element Ranks	—Other Lists—
Federal: Threatened	Global: G4T2T3	CDFG Status: SC
State: None	State: S2S3	

—Habitat Associations—

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 26	Map Index:17126	—Dates Last Seen—	Lat/Long: 37°39'15" / 121°29'14"	Township: 03S
Occ Rank: Poor		Element: 1993-05-10	UTM: Zone-10 N4168309 E633447	Range: 04E
Origin: Natural/Native occurrence		Site: 1993-05-10	Precision: NON-SPECIFIC	Section: 24 Qtr SW
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 59.5 ac	Elevation: 400 ft
Main Source: BRODE, J. 1990 (OBS)				
Quad Summary: TRACY (3712164/444B)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: CORRAL HOLLOW CREEK AT 4TH BRIDGE UPSTREAM FROM HWY 580. SITE IS ABOUT 0.5 MI DOWNSTREAM FROM CORRAL HOLLOW ECO RESERVE.				

—Comments—

Distribution:
Ecological: INTERMITTENT STREAM; PARTIALLY SILTED POND W/CATTAILS & ALGAE. WATER < 2 FT DEEP. ONLY STANDING WATER WAS THIS POND & ONE ON DOWNSTREAM SIDE OF BRIDGE IN 10/90.
Threat: LIVESTOCK GRAZING. INTRODUCED FISH GAMBUSIA.
General: ONE SUBADULT SIGHTED AMONG VEGETATION IN SHADE OF DOWNED TREE LIMB ON 10/09/90. THREE SEEN 5/10/93. CLEMMYS MARMORATA ALSO FOUND HERE.
Owner/Manager: PVT

Occurrence No. 35	Map Index:17147	—Dates Last Seen—	Lat/Long: 37°41'09" / 121°31'47"	Township: 03S
Occ Rank: Unknown		Element: 1989-10-17	UTM: Zone-10 N4171769 E629637	Range: 04E
Origin: Natural/Native occurrence		Site: 1989-10-17	Precision: SPECIFIC	Section: 10 Qtr SW
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 80 meters	Elevation: 800 ft
Main Source: LSA ASSOC. 1989 (OBS)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: APPROXIMATELY 4 MI WNW OF INTERSECTION OF HWY 580 & CORRAL HOLLOW RD, N OF LAWRENCE RADIATION LAB SITE 300, SW OF TRACY.				

—Comments—

Distribution: 3 ADULTS FOUND IN SMALL SUNKEN SPRING.
Ecological: SPRING ABOUT 8 SQUARE FEET IN INTRODUCED GRASSLAND. THE NEAREST STREAM IS CORRAL HOLLOW CR, APPROX 3 MI SE, AND THE NEAREST STOCK PONDS ARE 1 MI TO THE N, AND NEITHER HELD WATER AT THE TIME OF THIS OBSERVATION.
Threat: CATTLE AND SHEEP GRAZING. POTENTIAL PLANS TO DEVELOP THIS SITE.
General: SITE IS REMARKABLE IN ITS SMALL SIZE AND ISOLATION.
Owner/Manager: PVT

Occurrence No. 43	Map Index:23078	—Dates Last Seen—	Lat/Long: 37°41'31" / 121°31'33"	Township: 03S
Occ Rank: Fair		Element: 1992-06-29	UTM: Zone-10 N4172450 E629971	Range: 04E
Origin: Natural/Native occurrence		Site: 1992-06-29	Precision: NON-SPECIFIC	Section: 09 Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 189.5 ac	Elevation: 500 ft
Main Source: MULLEN, D. & G. BEEMAN 1992 (OBS)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: ONE MILE NORTH OF THE LAWRENCE RADIATION LABORATORY BOUNDARY, 7 MILES SW OF TRACY.				

—Comments—

Distribution:
Ecological: HABITAT CONSISTS OF TWO SMALL CATTLE WATERING PONDS, LOCATED ABOUT ONE MILE APART.
Threat:
General: 50 ADULTS AND MANY TADPOLES OBSERVED IN THE WESTERN-MOST POND; JUST A FEW FROGS FOUND IN THE EASTERN POND.
Owner/Manager: PVT-YROZ RANCH

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

RANA AURORA DRAYTONII (cont.)
CALIFORNIA RED-LEGGED FROG
Element Code: AAABH01022

—List Status— NDDB Element Ranks —Other Lists—
Federal: Threatened Global: G4T2T3 CDFG Status: SC
State: None State: S2S3

Occurrence No. 44 Map Index:23734 —Dates Last Seen— Lat/Long: 37°42'41" / 121°36'18" Township: 02S
Occ Rank: Good Element: 1993-04-14 UTM: Zone-10 N4174499 E622962 Range: 03E
Origin: Natural/Native occurrence Site: 1993-04-14 Precision: SPECIFIC Section: 35 Qtr SE
Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
Trend: Unknown Area: 12.1 ac Elevation: 550 ft
Main Source: MORI, B. 1993 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: 1.5 MILES NW OF PATTERSON PASS ROAD (STONE CORRAL), 11 MILES SE OF LIVERMORE.

Comments:
Distribution:
Ecological: HABITAT CONSISTS OF TWO STOCK PONDS WITHIN A DRAINAGE SWALE; DOMINATED BY ABUNDANT TYPHA, CAREX, ELODEA, AND CELERY. WATER WAS 4 INCHES DEEP AND TEA-COLORED. POND MARGINS VEGETATED BY DENSE GRASS/RUSH COVER. SURROUNDING GRASSLAND IS GRAZED.
Threat: THREATENED BY PROPOSED USE OF SITE AS A LANDFILL.
General: 6 ADULTS AND LARVAE TOO NUMEROUS TO COUNT OBSERVED. WET MEADOW BELOW PONDS ALSO SUPPORTED BOTH LARVAE AND ADULTS, ALTHOUGH STANDING WATER WAS CONFINED TO A NARROW CHANNEL. SURROUNDING LAND USE INCLUDES WINDFARMS.
Owner/Manager: PVT

Occurrence No. 45 Map Index:25036 —Dates Last Seen— Lat/Long: 37°42'52" / 121°36'34" Township: 02S
Occ Rank: Excellent Element: 1993-04-14 UTM: Zone-10 N4174837 E622553 Range: 03E
Origin: Natural/Native occurrence Site: 1993-04-14 Precision: SPECIFIC Section: 35 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 500 ft
Main Source: MORI, B. 1993 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: 1.5 MILES SOUTHWEST OF THE I-580/I-205 JUNCTION, 10 MILES SE OF LIVERMORE.

Comments:
Distribution:
Ecological: HABITAT CONSISTS OF A BERMED RESERVOIR LOCATED A SUB-VALLEY FLOOR. WATER IS ABOUT 4 FEET DEEP AND CLEAR; 50% COVER OF TYPHA, CAREX, AND ELODEA. MARGIN OF POND WITH DENSE GRASS COVER; ADJACENT UPLAND IS GRAZED ANNUAL GRASSLAND.
Threat: THREATENED BY A PROPOSAL TO USE THIS SITE FOR LANDFILL.
General: SEVERAL LARVAE OBSERVED ON 14 APRIL 1993. AMBYSTOMA CALIFORNIENSE LARVAE AND HYLA ADULTS AND LARVAE ALSO FOUND HERE.
Owner/Manager: PVT

Occurrence No. 72 Map Index:24869 —Dates Last Seen— Lat/Long: 37°38'36" / 121°29'27" Township: 03S
Occ Rank: Good Element: 1992-05-18 UTM: Zone-10 N4167101 E633158 Range: 04E
Origin: Natural/Native occurrence Site: 1992-05-18 Precision: NON-SPECIFIC Section: 25 Qtr W
Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
Trend: Decreasing Area: 37.8 ac Elevation: 500 ft
Main Source: BRODE, J. & M. WORKMAN 1992 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: CORRAL HOLLOW CREEK, JUST WEST OF CORRAL HOLLOW ROAD, CORRAL HOLLOW ECOLOGICAL RESERVE, 18 MILES EAST OF LIVERMORE.

Comments:
Distribution:
Ecological: HABITAT CONSISTS OF COTTONWOODS AND WILLOWS ALONG THE CREEK; SURROUNDING AREA IS GRASSLAND.
Threat: THREATENED BY SILTATION CREATED BY AN ORV PARK UPSTREAM.
General: AS RECENTLY AS 1976, NUMEROUS RED-LEGGED FROGS WERE RESIDENT HERE. DURING 1992, 4 VISITS BETWEEN 26 MARCH AND 18 MAY 1992 YIELDED ONLY ONE ADULT FROG.
Owner/Manager: DFG-CORRAL HOLLOW ER

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

RANA AURORA DRAYTONII (cont.)
CALIFORNIA RED-LEGGED FROG
Element Code: AABH01022

—List Status— NDDB Element Ranks —Other Lists—
Federal: Threatened Global: G4T2T3 CDFG Status: SC
State: None State: S2S3

Occurrence No. 82 Map Index:23735 —Dates Last Seen— Lat/Long: 37°42'38" / 121°36'47" Township: 02S
Occ Rank: Excellent Element: 1993-04-14 UTM: Zone-10 N4174398 E622265 Range: 03E
Origin: Natural/Native occurrence Site: 1993-04-14 Precision: SPECIFIC Section: 35 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 650 ft
Main Source: MORI, B. 1993 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: 2 MILES SOUTHWEST OF THE JUNCTION OF I-580/I-205, 10 MILES SE OF LIVERMORE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A 40 X 100 FOOT POND SITUATED ON A NW-FACING SLOPE. POND HAD A DEPTH OF UP TO 4 FEET, WITH CLEAR WATER, AND 25% TYPHA AND 25% CAREX COVER. DENSE GRASS COVER ALONG POND MARGIN; ADJACENT UPLAND MADE UP OF GRAZED GRASSLAND.
Threat: THREATENED BY A PROPOSED EXPANSION OF A LANDFILL SITE.
General: 5 ADULTS AND 5+ LARVAE OBSERVED ON 14 APRIL 1993. AMBYSTOMA CALIFORNIENSE ALSO FOUND AT THIS SITE.
Owner/Manager: PVT

Occurrence No. 98 Map Index:25526 —Dates Last Seen— Lat/Long: 37°37'42" / 121°32'41" Township: 03S
Occ Rank: Poor Element: 1989-05-15 UTM: Zone-10 N4165367 E628429 Range: 04E
Origin: Natural/Native occurrence Site: 1989-05-15 Precision: SPECIFIC Section: 33 Qtr W
Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
Trend: Unknown Area: 39.9 ac Elevation: 750 ft
Main Source: ANDERSON, K. 1989 (OBS)
Quad Summary: MIDWAY (3712165/445A)*, CEDAR MTN. (3712155/445D)
County Summary: SAN JOAQUIN
SNA Summary:
Location: SOUTH SIDE OF CORRAL HOLLOW, 0.75 MILE EAST OF THE ALAMEDA/SAN JOAQUIN COUNTY LINE, CARNEGIE SVRA.
—Comments—
Distribution: FROGS ARE FOUND AROUND SEASONAL PONDS AND CATCHMENT BASINS IN THE PARK.
Ecological: POND HABITAT IS FAIRLY DEVOID OF VEGETATION; SURROUNDING AREA IS MAINLY ANNUAL GRASSLAND, WITH SOME COASTAL SCRUB AND BLUE OAK WOODLAND.
Threat: THREATENED BY OHV ACTIVITY AND THE RESULTING HEAVY DISTURBANCE TO THE HABITAT.
General: MANY WERE OBSERVED ON 15 MAY 1989.
Owner/Manager: DPR-CARNEGIE SVRA

Occurrence No. 99 Map Index:25525 —Dates Last Seen— Lat/Long: 37°37'55" / 121°33'23" Township: 03S
Occ Rank: Poor Element: 1989-05-15 UTM: Zone-10 N4165763 E627386 Range: 04E
Origin: Natural/Native occurrence Site: 1989-05-15 Precision: NON-SPECIFIC Section: 32 Qtr XX
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 800 ft
Main Source: ANDERSON, K. 1989 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA, SAN JOAQUIN
SNA Summary:
Location: SOUTH SIDE OF CORRAL HOLLOW, IN THE VICINITY OF THE ALAMEDA/SAN JOAQUIN COUNTY LINE, CARNEGIE SVRA.
—Comments—
Distribution: FROGS ARE FOUND AROUND SEASONAL PONDS AND CATCHMENT BASINS IN THE PARK.
Ecological: POND HABITAT IS FAIRLY DEVOID OF VEGETATION; SURROUNDING AREA IS MADE UP OF MAINLY ANNUAL GRASSLAND, WITH SOME COASTAL SCRUB AND BLUE OAK WOODLAND.
Threat: THREATENED BY OHV ACTIVITY AND THE RESULTING HABITAT DISTURBANCE.
General: MANY WERE OBSERVED ON 15 MAY 1989. THERE IS A SPECIMEN IN MVZ (#129925) LABELED ONLY "CORRAL HOLLOW, ALAMEDA CO." FROM 6 FEB 1975.
Owner/Manager: DPR-CARNEGIE SVRA

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

RANA AURORA DRAYTONII (cont.)
CALIFORNIA RED-LEGGED FROG
Element Code: AABH01022

—List Status—
Federal: Threatened
State: None

NDDB Element Ranks
Global: G4T2T3
State: S2S3

—Other Lists—
CDFG Status: SC

Occurrence No. 131 Map Index:33111 —Dates Last Seen— Lat/Long: 37°44'01" / 121°36'32" Township: 02S
Occ Rank: Good Element: 1994-04-27 UTM: Zone-10 N4176950 E622583 Range: 03E
Origin: Natural/Native occurrence Site: 1994-04-27 Precision: SPECIFIC Section: 26 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 460 ft
Main Source: ALLABACK, M. 1994 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: SOUTH OF MOUNTAIN HOUSE CREEK, 2.4 MILES WSW OF MOUNTAIN HOUSE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY ANNUAL GRASSLAND. CALIFORNIA TIGER SALAMANDER LARVAE WERE ALSO
PRESENT AT THIS SITE.
Threat: POSSIBLE THREAT FROM CATTLE GRAZING.
General: >100 LARVAE OBSERVED ON 27 APRIL 1994.
Owner/Manager: PVT

Occurrence No. 132 Map Index:33112 —Dates Last Seen— Lat/Long: 37°44'06" / 121°36'25" Township: 02S
Occ Rank: Good Element: 1994-04-27 UTM: Zone-10 N4177129 E622755 Range: 03E
Origin: Natural/Native occurrence Site: 1994-04-27 Precision: SPECIFIC Section: 26 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 400 ft
Main Source: ALLABACK, M. 1994 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: MOUNTAIN HOUSE CREEK, 2.2 MILES WSW OF MOUNTAIN HOUSE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A PONDED SECTION OF MOUNTAIN HOUSE CREEK.
Threat:
General: <10 LARVAE OBSERVED ON 27 APRIL 1994.
Owner/Manager: PVT

Occurrence No. 133 Map Index:33113 —Dates Last Seen— Lat/Long: 37°43'58" / 121°37'16" Township: 02S
Occ Rank: Good Element: 1994-04-27 UTM: Zone-10 N4176871 E621509 Range: 03E
Origin: Natural/Native occurrence Site: 1994-04-27 Precision: SPECIFIC Section: 26 Qtr NW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 500 ft
Main Source: LAABS, D. 1994 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: MOUNTAIN HOUSE CREEK, 3 MILES WSW OF MOUNTAIN HOUSE.
—Comments—
Distribution:
Ecological: HABITAT CONSISTS OF A STOCK POND IN ANNUAL GRASSLAND.
Threat: POSSIBLE THREAT FROM CATTLE GRAZING.
General: >1000 LARVAE OBSERVED ON 27 APRIL 1994.
Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

RANA AURORA DRAYTONII (cont.)
CALIFORNIA RED-LEGGED FROG
Element Code: AAABH01022

—List Status—	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G4T2T3	CDFG Status: SC
State: None	State: S2S3	

Occurrence No. 275	Map Index:40431	—Dates Last Seen—	Lat/Long: 37°37'30" / 121°35'56"	Township: 03S
Occ Rank: Good		Element: 1998-09-30	UTM: Zone-10 N4164954 E623626	Range: 03E
Origin: Natural/Native occurrence		Site: 1998-09-30	Precision: SPECIFIC	Section: 36 Qtr SW
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 8.3 ac	Elevation: 1900 ft

Main Source: BRIDEN, L. 1998 (OBS)

Quad Summary: MIDWAY (3712165/445A)*, CEDAR MTN. (3712155/445D)

County Summary: ALAMEDA

SNA Summary:

Location: S SIDE OF MOUNTAIN, 1 MILES S OF TESLA, 1.7 MILES WNW OF MITCHELL SHAFT AT HETCH HETCHY AQUEDUCT.

Comments

Distribution: FROGS FOUND IN TWO ADJACENT STOCK PONDS, SAMPLE SITE POND #1A.

Ecological: OAK SAVANNAH/NON-NATIVE GRASSLAND

Threat: OFF ROAD VEHICLE PARK. CATTLE GRAZING IS THE SURROUNDING LAND USE.

General: COUNTED 2 ADULTS IN THE PONDS, UNABLE TO COUNT THE JUVENILES ACCURATELY, BUT THEY WERE NUMEROUS.

Owner/Manager: DPR

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ATHENE CUNICULARIA (BURROW SITES)
BURROWING OWL
Element Code: ABNSB10010

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

—Habitat Associations—

General: FOUND IN 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. 47 Map Index:10965 —Dates Last Seen— Lat/Long: 37°44'50" / 121°35'52" Township: 02S
Occ Rank: Unknown Element: 1973-04-30 UTM: Zone-10 N4178481 E623541 Range: 03E
Origin: Natural/Native occurrence Site: 1973-04-30 Precision: NON-SPECIFIC Section: 24 Qtr NW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 400 ft
Main Source: EDWARDS, A. 1983 (PERS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary: Redmond Cut
Location: ON N SIDE OF ALTAMONT PASS, 1.5 MI SW OF MOUNTAIN HOUSE, APPROX 10 MI NE OF LIVERMORE.
—Comments—
Distribution:
Ecological:
Threat:
General: SINGLE BIRD OBSERVED DURING THE BREEDING SEASON.
Owner/Manager: UNKNOWN

Occurrence No. 48 Map Index:11007 —Dates Last Seen— Lat/Long: 37°42'25" / 121°34'20" Township: 03S
Occ Rank: Unknown Element: 1982-12-11 UTM: Zone-10 N4174055 E625858 Range: 04E
Origin: Natural/Native occurrence Site: 1982-12-11 Precision: NON-SPECIFIC Section: 06 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 500 ft
Main Source: EDWARDS, A. 1983 (PERS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: NEAR MIDWAY, IMMEDIATELY E OF PATTERSON PASS ROAD AND WESTERN PACIFIC RAILROAD JCT.
—Comments—
Distribution:
Ecological:
Threat:
General: SEVERAL OBSERVED BY EDWARDS IN 1982.
Owner/Manager: PVT

Occurrence No. 73 Map Index:11037 —Dates Last Seen— Lat/Long: 37°44'40" / 121°34'13" Township: 02S
Occ Rank: Unknown Element: 1982-06-27 UTM: Zone-10 N4178213 E625970 Range: 04E
Origin: Natural/Native occurrence Site: 1982-06-27 Precision: NON-SPECIFIC Section: 19 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/10 mile Elevation: 300 ft
Main Source: EDWARDS, A. 1983 (PERS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: EAST SIDE OF NORTH MIDWAY ROAD, 8 MILES WEST OF TRACY.
—Comments—
Distribution:
Ecological:
Threat:
General: EVIDENCE OF BREEDING; 2 OBSERVED AT THIS LOCATION.
Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ATHENE CUNICULARIA (BURROW SITES) (cont.)

BURROWING OWL
Element Code: ABNSB10010

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

Occurrence No. 170 Map Index:23897 ---Dates Last Seen--- Lat/Long: 37°42'22" / 121°25'45" Township: 03S
Occ Rank: Poor Element: 1991-08-11 UTM: Zone-10 N4174171 E638471 Range: 05E
Origin: Natural/Native occurrence Site: 1991-08-11 Precision: SPECIFIC Section: 04 Qtr NW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 115 ft
Main Source: MULLEN, D. & G. BEEMAN 1991 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: 0.4 MILE SE OF THE INTERSECTION OF JEFFERSON BLVD AND VALPICO ROAD, 2 MILES SOUTH OF TRACY.
-----Comments-----
Distribution:
Ecological: HABITAT IS A SMALL (<0.5 ACRE) PIECE OF LAND SURROUNDED BY DISCED FIELD.
Threat: THREATENED BY AGRICULTURE AND DEVELOPMENT.
General: SITE CONTAINED AN ACTIVE BURROW AND AT LEAST 2 RESIDENT OWLS.
Owner/Manager: PVT-LYON'S DEVELOPMENT COMPANY

Occurrence No. 171 Map Index:23898 ---Dates Last Seen--- Lat/Long: 37°41'36" / 121°31'50" Township: 03S
Occ Rank: Good Element: 1992-07-03 UTM: Zone-10 N4172598 E629556 Range: 04E
Origin: Natural/Native occurrence Site: 1992-07-03 Precision: SPECIFIC Section: 04 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 700 ft
Main Source: MULLEN, D. & G. BEEMAN 1991 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: 1.75 MILES SOUTH OF THE INTERSECTION OF PATTERSON PASS ROAD AND I-580, 5 MILES SW OF TRACY.
-----Comments-----
Distribution:
Ecological: HABITAT CONSISTS OF OPEN GRAZING LAND.
Threat:
General: BURROW WITH ONE ADULT OBSERVED.
Owner/Manager: PVT

Occurrence No. 182 Map Index:24456 ---Dates Last Seen--- Lat/Long: 37°44'13" / 121°34'06" Township: 02S
Occ Rank: Unknown Element: 1992-05-XX UTM: Zone-10 N4177383 E626149 Range: 04E
Origin: Natural/Native occurrence Site: 1992-05-XX Precision: NON-SPECIFIC Section: 30 Qtr NE
Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
Trend: Stable Area: 19.1 ac Elevation: 315 ft
Main Source: FLANNERY, A. 1992 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: WEST SIDE OF MIDWAY ROAD, 0.5 MILE SOUTH OF I-580, 10 MILES SOUTH OF TRACY.
-----Comments-----
Distribution:
Ecological: HABITAT CONSISTS OF A BURROW ON AN EAST-FACING SLOPE OF GRASSLAND/PASTURE.
Threat:
General: 2 BIRDS OBSERVED LEAVING BURROW ON 2 CONSECUTIVE NIGHTS DURING A SPOTLIGHTING SURVEY IN 1992. TWO BIRDS SEEN
HERE 6/27/82.
Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ATHENE CUNICULARIA (BURROW SITES) (cont.)
BURROWING OWL
Element Code: ABNSB10010

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

Occurrence No. 201 Map Index:24674 ---Dates Last Seen--- Lat/Long: 37°42'56" / 121°29'45" Township: 02S
Occ Rank: None Element: 1992-09-28 UTM: Zone-10 N4175120 E632581 Range: 04E
Origin: Natural/Native occurrence Site: 1992-09-28 Precision: SPECIFIC Section: 35 Qtr NE
Presence: Extirpated Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 150 ft
Main Source: JENNINGS, J. 1992 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: BETWEEN DELTA-MENDOTA CANAL AND SCHULTE ROAD, 1.1 MILES WEST OF LAMMERS ROAD, 4 MILES SW OF TRACY.
-----Comments-----
Distribution: BURROW LOCATED AT MILEPOST 325.3 ALONG AN EXISTING GAS PIPELINE.
Ecological: HABITAT SURROUNDING THE BURROW CONSISTS OF NON-NATIVE GRASSLAND.
Threat:
General: 2 OWLS WERE FLUSHED FROM A BURROW SITE CONTAINING FEATHERS, PELLETS, AND PREY REMAINS AROUND THE BURROW ENTRANCE. BURROW WAS MONITORED, THEN EXCAVATED (WITH DFG APPROVAL).
Owner/Manager: UNKNOWN

Occurrence No. 202 Map Index:24675 ---Dates Last Seen--- Lat/Long: 37°44'15" / 121°31'42" Township: 02S
Occ Rank: Fair Element: 1992-09-29 UTM: Zone-10 N4177516 E629663 Range: 04E
Origin: Natural/Native occurrence Site: 1992-09-29 Precision: SPECIFIC Section: 22 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 160 ft
Main Source: EHRLICH, S. 1992 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: JUST EAST OF PATTERSON PASS ROAD, 0.3 MILE SOUTH OF I-205, SW OF TRACY.
-----Comments-----
Distribution: BURROW LOCATED ABOUT 250 FEET EAST OF AN EXISTING GAS PIPELINE, BETWEEN MP 323.0 AND 323.2.
Ecological: HABITAT SURROUNDING BURROW SITE CONSISTS OF NON-NATIVE GRASSLAND AND AGRICULTURE.
Threat: POSSIBLE THREAT FROM AGRICULTURAL ACTIVITIES.
General: BURROW CONTAINING WHITEWASH AND FEATHERS AT THE ENTRANCE OBSERVED ON 29 SEPTEMBER 1992; NO OWLS OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 203 Map Index:24677 ---Dates Last Seen--- Lat/Long: 37°43'58" / 121°31'16" Township: 02S
Occ Rank: Fair Element: 1992-09-29 UTM: Zone-10 N4176995 E630310 Range: 04E
Origin: Natural/Native occurrence Site: 1992-09-29 Precision: SPECIFIC Section: 27 Qtr N
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 150 ft
Main Source: EHRLICH, S. 1992 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: BETWEEN PATTERSON PASS ROAD AND HANSEN ROAD, 0.6 MILE SOUTH OF I-205, SW OF TRACY.
-----Comments-----
Distribution: BURROW LOCATED ALONG AN EXISTING GAS PIPELINE CORRIDOR, APPROXIMATELY 300 FEET EAST OF PIPELINE, AT MILEPOST 323.4.
Ecological: HABITAT SURROUNDING THE BURROW CONSISTS OF NON-NATIVE GRASSLAND AND AGRICULTURE.
Threat: POSSIBLE THREAT FROM AGRICULTURAL ACTIVITIES.
General: 1 OWL WAS FLUSHED FROM A BURROW CONTAINING OWL SIGN ON 29 SEPTEMBER 1992.
Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ATHENE CUNICULARIA (BURROW SITES) (cont.)

BURROWING OWL

Element Code: ABNSB10010

—List Status—

Federal: None
State: None

NDDB Element Ranks

Global: G4
State: S2

—Other Lists—

CDFG Status: SC

Occurrence No. 204 Map Index:24676

Occ Rank: None

Origin: Natural/Native occurrence

Presence: Extirpated

Trend: Unknown

Main Source: CULL, R. 1993 (OBS)

Quad Summary: MIDWAY (3712165/445A)

County Summary: SAN JOAQUIN

SNA Summary:

Location: BETWEEN PATTERSON PASS ROAD AND HANSEN ROAD, 0.5 MILE SOUTH OF I-205, SW OF TRACY.

Comments:

Distribution: BURROW LOCATED ALONG AN EXISTING GAS PIPELINE CORRIDOR, AT MILEPOST 323.7.

Ecological: HABITAT SURROUNDING THE BURROW SITE CONSISTS OF NON-NATIVE GRASSLAND AND AGRICULTURE.

Threat: POSSIBLE THREAT FROM AGRICULTURAL ACTIVITIES.

General: ONE PAIR OF OWLS WAS FLUSHED FROM THIS COLONY SITE. THIS WAS ONE OF SEVERAL BURROWS MONITORED, THEN EXCAVATED (WITH DFG APPROVAL).

Owner/Manager: UNKNOWN

—Dates Last Seen—

Element: 1993-02-11

Site: 1993-02-11

Lat/Long: 37°44'05" / 121°31'08"

UTM: Zone-10 N4177210 E630509

Precision: SPECIFIC

Symbol Type: POINT

Radius: 80 meters

Township: 02S

Range: 04E

Section: 27 Qtr NE

Meridian: M

Elevation: 140 ft

Occurrence No. 205 Map Index:24678

Occ Rank: None

Origin: Natural/Native occurrence

Presence: Extirpated

Trend: Unknown

Main Source: DIEHL, J. 1993 (OBS)

Quad Summary: MIDWAY (3712165/445A)

County Summary: SAN JOAQUIN

SNA Summary:

Location: EAST SIDE OF HANSEN ROAD, 0.5 MILE NORTH OF DELTA MENDOTA CANAL, SW OF TRACY.

Comments:

Distribution: BURROW IS LOCATED 175 FEET EAST OF HANSEN ROAD, ALONG AN EXISTING GAS PIPELINE CORRIDOR, AT MILEPOST 324.4.

Ecological: HABITAT SURROUNDING BURROW CONSISTS OF NON-NATIVE GRASSLAND AND AGRICULTURAL FIELDS.

Threat:

General: 1 ADULT OWL OBSERVED STANDING AT A COMPLEX OF 3 BURROW ENTRANCES, WHICH CONTAINED WHITEWASH AND FEATHERS. BURROWS WERE MONITORED, THEN EXCAVATED (WITH DFG APPROVAL) DURING SPRING 1993.

Owner/Manager: UNKNOWN

—Dates Last Seen—

Element: 1993-04-06

Site: 1993-04-06

Lat/Long: 37°43'34" / 121°30'40"

UTM: Zone-10 N4176256 E631210

Precision: SPECIFIC

Symbol Type: POINT

Radius: 80 meters

Township: 02S

Range: 04E

Section: 26 Qtr SW

Meridian: M

Elevation: 150 ft

Occurrence No. 250 Map Index:36446

Occ Rank: Fair

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: CROWE, R. 1997 (OBS)

Quad Summary: TRACY (3712164/444B)

County Summary: SAN JOAQUIN

SNA Summary:

Location: VICINITY OF THE INTERSECTION OF SCHULTE ROAD AND THE SOUTHERN PACIFIC RAILROAD TRACKS, TRACY.

Comments:

Distribution: BURROWS LOCATED IN RAISED RAILROAD TRACK BERM, SURROUNDED BY A DISKED AGRICULTURAL FIELD. OTHER BURROWS FOUND ALONG THE CEMENT-LINED DITCH BETWEEN THE SCHOOL AND THE HOUSING AREA.

Ecological: HABITAT SURROUNDING BURROWS CONSISTS AGRICULTURAL FIELDS DOMINATED BY STAR THISTLE AND MUSTARD, WITH SOME AVENA SP.

Threat: THREATENED BY PROPOSED HOUSING DEVELOPMENTS, ROUTINE DISCING BY RAILROAD, PREDATION BY CATS/DOGS, AND HUMAN DISTURBANCE.

General: ON 24 JULY 1997, 2 PAIRS OF BURROWING OWLS OBSERVED: ONE PAIR ON EAST SIDE OF TRACKS W/4 YOUNG AND ONE PAIR ON THE WEST SIDE OF TRACKS W/5 YOUNG. 18 ADULTS OBSERVED ON 4 MAY 1998. 41 ADULTS OBSERVED ON 27 AUG 1998.

Owner/Manager: PVT

—Dates Last Seen—

Element: 1998-08-27

Site: 1998-08-27

Lat/Long: 37°43'33" / 121°26'49"

UTM: Zone-10 N4176338 E636844

Precision: NON-SPECIFIC

Symbol Type: POINT

Radius: 2/5 mile

Township: 02S

Range: 05E

Section: 29 Qtr SW

Meridian: M

Elevation: 70 ft

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ATHENE CUNICULARIA (BURROW SITES) (cont.)

BURROWING OWL

Element Code: ABNSB10010

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

Occurrence No. 259 Map Index:38274 —Dates Last Seen— Lat/Long: 37°44'29" / 121°29'31" Township: 02S
 Occ Rank: Unknown Element: 1997-10-10 UTM: Zone-10 N4177988 E632879 Range: 04E
 Origin: Natural/Native occurrence Site: 1997-10-10 Precision: NON-SPECIFIC Section: 24 Qtr SW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1/10 mile Elevation: 75 ft
 Main Source: FLANNERY, A. 1997 (OBS)
 Quad Summary: TRACY (3712164/444B)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: JUST EAST OF THE INTERSECTION OF I-205 AND THE 11TH STREET ON-RAMP (WHERE IT CROSSES I-205), 3 MILES WEST OF TRACY.

—Comments—

Distribution: BIRDS ARE VISIBLE FROM THE ROAD AND NOT PROTECTED BY FENCING.
 Ecological: HABITAT IS OPEN AND HIGHLY-DISTURBED; LOOKS LIKE A RIGHT-OF-WAY.
 Threat:
 General: AT LEAST ONE OWL OBSERVED AT BURROW SITE ON 10 OCT 1997.
 Owner/Manager: UNKNOWN

Occurrence No. 260 Map Index:38275 —Dates Last Seen— Lat/Long: 37°44'26" / 121°34'39" Township: 02S
 Occ Rank: Good Element: 1997-10-10 UTM: Zone-10 N4177769 E625339 Range: 04E
 Origin: Natural/Native occurrence Site: 1997-10-10 Precision: NON-SPECIFIC Section: 19 Qtr SW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1/10 mile Elevation: 400 ft
 Main Source: FLANNERY, A. 1997 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: SOUTH SIDE OF I-580, 0.4 MILE EAST OF GRANT LINE ROAD, 12 MILES EAST OF TRACY.

—Comments—

Distribution:
 Ecological: HABITAT CONSISTS OF OPEN, GRAZED GRASSLAND; BURROW IS LOCATED IN A SWALE (LOTS OF OWL SIGN).
 Threat: POSSIBLE THREAT FROM FREEWAY EXPANSION PROJECT.
 General: 1 OWL FLUSHED FROM THE BURROW SITE ON 10 OCT 1997.
 Owner/Manager: PVT

Occurrence No. 261 Map Index:38277 —Dates Last Seen— Lat/Long: 37°44'26" / 121°33'49" Township: 02S
 Occ Rank: Good Element: 1997-10-10 UTM: Zone-10 N4177792 E626567 Range: 04E
 Origin: Natural/Native occurrence Site: 1997-10-10 Precision: NON-SPECIFIC Section: 20 Qtr SW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1/10 mile Elevation: 300 ft
 Main Source: FLANNERY, A. 1997 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: ALTAMONT SPEEDWAY PARKING LOT, SE OF THE INTERSECTION OF I-205 AND I-580, 8 MILES WEST OF TRACY.

—Comments—

Distribution: MULTIPLE-BURROW SITE: 4 BURROWS LOCATED IN THE NORTH PART OF THE ALTAMONT SPEEDWAY PARKING LOT AND 1 BURROW LOCATED JUST WEST OF A FENCE (SOUTH OF I-205/580 SPLIT).
 Ecological: HABITAT CONSISTS OF OPEN, NEARLY-BARE GRASSLAND (PARKING LOT EDGE).
 Threat: POSSIBLY THREATENED BY ALTAMONT SPEEDWAY EVENTS.
 General: ALTHOUGH ALL 5 DENS CONTAINED OWL SIGN, ONLY ONE OWL WAS OBSERVED ON 10 OCT 1997.
 Owner/Manager: PVT

Search of All Records in the Midway and Tracy

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ATHENE CUNICULARIA (BURROW SITES) (cont.)

BURROWING OWL

Element Code: ABNSB10010

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

Federal: None

State: None

NDDB Element Ranks

Global: G4

State: S2

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

CDFG Status: SC

Occurrence No. 262 Map Index:38278 ---Dates Last Seen--- Lat/Long: 37°44'28" / 121°34'12" Township: 02S
 Occ Rank: Good Element: 1997-10-10 UTM: Zone-10 N4177855 E625985 Range: 04E
 Origin: Natural/Native occurrence Site: 1997-10-10 Precision: SPECIFIC Section: 19 Qtr SW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 300 ft
 Main Source: FLANNERY, A. 1997 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: 0.5 MILE WEST OF ALTAMONT SPEEDWAY, EAST OF MIDWAY ROAD, AND JUST SOUTH I-580, WEST OF TRACY
 Comments:
 Distribution: SOUTH OF CALTRANS RIGHT-OF-WAY FENCE.
 Ecological: HABITAT CONSISTS OF OPEN, GRAZED GRASSLAND.
 Threat: POSSIBLY THREATENED BY FREEWAY EXPANSION ACTIVITIES.
 General: 1 OWL OBSERVED AT AN ACTIVE DEN SITE ON 10 OCT 1997.
 Owner/Manager: PVT

Occurrence No. 263 Map Index:38279 ---Dates Last Seen--- Lat/Long: 37°44'40" / 121°33'03" Township: 02S
 Occ Rank: Excellent Element: 1997-10-10 UTM: Zone-10 N4178229 E627685 Range: 04E
 Origin: Natural/Native occurrence Site: 1997-10-10 Precision: SPECIFIC Section: 20 Qtr NE
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 12.7 ac Elevation: 200 ft
 Main Source: FLANNERY, A. 1997 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: NORTH SIDE OF I-205, JUST NE OF THE DELTA-MENDOTA CANAL WHERE IT CROSSES I-205, 7 MILES WEST OF TRACY.
 Comments:
 Distribution:
 Ecological: HABITAT CONSISTS OF OPEN GRASSLAND; LOTS OF ACTIVE AND POTENTIAL DENS LOCATED IN THE SLOPE NORTH OF THE DELTA-MENDOTA CANAL MAINTENANCE ROAD.
 Threat:
 General: 2 OWLS OBSERVED ON 10 OCT 1997.
 Owner/Manager: PVT

Occurrence No. 264 Map Index:38284 ---Dates Last Seen--- Lat/Long: 37°44'41" / 121°33'55" Township: 02S
 Occ Rank: Good Element: 1997-10-10 UTM: Zone-10 N4178262 E626395 Range: 04E
 Origin: Natural/Native occurrence Site: 1997-10-10 Precision: NON-SPECIFIC Section: 20 Qtr NW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1/10 mile Elevation: 300 ft
 Main Source: FLANNERY, A. 1997 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: NORTH SIDE OF I-580, 0.4 MILE EAST OF MIDWAY ROAD, NEAR I-580/I-205 SPLIT. 8 MILES WEST OF TRACY.
 Comments:
 Distribution:
 Ecological: HABITAT CONSISTS OF OPEN, GRAZED GRASSLAND.
 Threat: POSSIBLE THREAT FROM FREEWAY EXPANSION PROJECT.
 General: 1 INDIVIDUAL OBSERVED AT BURROW SITE.
 Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ATHENE CUNICULARIA (BURROW SITES) (cont.)

BURROWING OWL

Element Code: ABNSB10010

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

Occurrence No. 275 Map Index:39726 ---Dates Last Seen--- Lat/Long: 37°44'30" / 121°27'26" Township: 02S
 Occ Rank: Poor Element: 1998-08-03 UTM: Zone-10 N4178088 E635926 Range: 05E
 Origin: Natural/Native occurrence Site: 1998-08-03 Precision: NON-SPECIFIC Section: 19 Qtr SE
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1/10 mile Elevation: 40 ft
 Main Source: CROWE, R. 1998 (OBS)
 Quad Summary: TRACY (3712164/444B)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: BETWEEN BYRON ROAD AND WEST 11TH STREET, 0.7 MILE WEST OF THE INTERSECTION OF THESE ROADS, WEST OF TRACY.
 Comments:
 Distribution:
 Ecological: HABITAT IS HIGHLY DISTURBED; DOMINANT PLANT SPECIES IS STAR THISTLE. SURROUNDED BY HOUSING TO THE NORTH, EAST,
 AND SOUTH; FUTURE HOUSING TO THE WEST.
 Threat: THREATENED BY RESIDENTIAL DEVELOPMENT.
 General: 1 ADULT OBSERVED AT THE BURROW SITE ON 3 AUGUST 1998.
 Owner/Manager: UNKNOWN

Occurrence No. 336 Map Index:41707 ---Dates Last Seen--- Lat/Long: 37°44'59" / 121°28'03" Township: 02S
 Occ Rank: Unknown Element: 1999-09-23 UTM: Zone-10 N4178948 E635009 Range: 05E
 Origin: Natural/Native occurrence Site: 1999-09-23 Precision: SPECIFIC Section: 19 Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 30 ft
 Main Source: HENKE, J. 1999 (OBS)
 Quad Summary: TRACY (3712164/444B)*, UNION ISLAND (3712174/462C)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: JUST SOUTH OF I-205, 0.4 MILE EAST OF THE INTERSECTION OF BYRON ROAD AND LAMMERS FERRY ROAD, WEST OF TRACY.
 Comments:
 Distribution:
 Ecological: HABITAT CONSISTS OF AN ABANDONED OAT (HAY) FIELD; SURROUNDED BY HOUSING DEVELOPMENT.
 Threat: THREATENED BY DISCING AROUND THE BURROW SITE.
 General: 2 ADULTS OBSERVED AT THE BURROW SITE.
 Owner/Manager: PVT

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EREMOPHILA ALPESTRIS ACTIA
CALIFORNIA HORNED LARK
Element Code: ABPATO2011

-----List Status----- NDDB Element Ranks -----Other Lists-----
Federal: None Global: G4G5T3 CDFG Status: SC
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. 22 Map Index:34880 ---Dates Last Seen--- Lat/Long: 37°39'18" / 121°24'28" Township: 03S
Occ Rank: Unknown Element: 1993-04-08 UTM: Zone-10 N4168520 E640461 Range: 05E
Origin: Natural/Native occurrence Site: 1993-04-08 Precision: SPECIFIC Section: 22 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 195 ft
Main Source: LINCER, J. 1993 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: BETWEEN CA AQUEDUCT AND DELTA-MENDOTA CANAL; 2.1 KM NNW OF I-580/HWY 132 JUNCTION; SOUTH OF TRACY.
-----Comments-----
Distribution: LOCATED ALONG EXISTING GAS PIPELINE AT MILEPOST 331.6.
Ecological: HABITAT CONSISTS OF AGRICULTURAL LAND.
Threat: POSSIBLE THREAT: AGRICULTURE.
General: OBSERVED 1 ADULT STANDING ON BANK OF DELTA-MENDOTA CANAL.
Owner/Manager: UNKNOWN

Occurrence No. 23 Map Index:34879 ---Dates Last Seen--- Lat/Long: 37°39'43" / 121°25'02" Township: 03S
Occ Rank: Fair Element: 1993-04-21 UTM: Zone-10 N4169280 E639617 Range: 05E
Origin: Natural/Native occurrence Site: 1993-04-21 Precision: NON-SPECIFIC Section: 21 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 180 ft
Main Source: VANHERWEG, B. 1993 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: ON EAST BANK OF DELTA-MENDOTA CANAL; 0.6 KM SSW OF DURHAM FERRY ROAD X MACARTHUR DRIVE; SOUTH OF TRACY.
-----Comments-----
Distribution: LOCATED ALONG EXISTING GAS PIPELINE AT MILEPOST 331.5.
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND AND AGRICULTURE.
Threat: POSSIBLE THREAT: AGRICULTURE.
General: APPROX. 50 ADULTS CALLING ALONG SCATTERED LOCATIONS ALONG PIPELINE CORRIDOR.
Owner/Manager: UNKNOWN

Occurrence No. 24 Map Index:34878 ---Dates Last Seen--- Lat/Long: 37°41'01" / 121°26'41" Township: 03S
Occ Rank: Unknown Element: 1993-04-08 UTM: Zone-10 N4171641 E637141 Range: 05E
Origin: Natural/Native occurrence Site: 1993-04-08 Precision: SPECIFIC Section: 08 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 210 ft
Main Source: LINCER, J. 1993 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: ON WEST BANK OF DELTA-MENDOTA CANAL; IMMEDIATELY SOUTHWEST OF TRACY MUNICIPAL AIRPORT; SOUTH OF TRACY.
-----Comments-----
Distribution: LOCATED ON EXISTING GAS PIPELINE CORRIDOR AT MILEPOST 328.8.
Ecological: HABITAT CONSISTS OF AGRICULTURAL LAND.
Threat: POSSIBLE THREAT: AGRICULTURE.
General: OBSERVED 2 ADULTS ROOSTING ON GROUND APPROX. 600 FEET EAST OF PIPELINE.
Owner/Manager: UNKNOWN

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EREMOPHILA ALPESTRIS ACTIA (cont.)
CALIFORNIA HORNED LARK
Element Code: ABPAT02011

-----List Status----- NDDB Element Ranks----- Other Lists-----
Federal: None Global: G4G5T3 CDFG Status: SC
State: None State: S3

Occurrence No. 27 Map Index:34884 ---Dates Last Seen--- Lat/Long: 37°39'02" / 121°24'08" Township: 03S
Occ Rank: Unknown Element: 1993-04-08 UTM: Zone-10 N4168045 E640960 Range: 05E
Origin: Natural/Native occurrence Site: 1993-04-08 Precision: SPECIFIC Section: 27 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 215 ft
Main Source: LINCER, J. 1993 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: SOUTH OF TRACY; 1.4 KM NNW OF HWY 132 X CHRISMAN ROAD; BETWEEN CA AQUEDUCT AND DELTA-MENDOTA CANAL.
-----Comments-----
Distribution: LOCATED ALONG EXISTING GAS PIPELINE AT MILEPOST 332.5.
Ecological: HABITAT CONSISTS OF AGRICULTURAL AND RUDERAL LAND.
Threat:
General: 1 ADULT OBSERVED ROOSTING ON FENCE NEXT TO PASTURE.
Owner/Manager: UNKNOWN

Occurrence No. 28 Map Index:34883 ---Dates Last Seen--- Lat/Long: 37°38'21" / 121°23'46" Township: 03S
Occ Rank: Unknown Element: 1993-03-31 UTM: Zone-10 N4166777 E641510 Range: 05E
Origin: Natural/Native occurrence Site: 1993-03-31 Precision: SPECIFIC Section: 26 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 270 ft
Main Source: FLANNERY, A. 1993 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: SOUTH OF TRACY; NORTHEAST CORNER OF HWY 132 X CHRISMAN ROAD.
-----Comments-----
Distribution: LOCATED ALONG EXISTING GAS PIPELINE AT MILEPOST 333.5.
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND.
Threat:
General: 4 ADULTS OBSERVED ROOSTING.
Owner/Manager: UNKNOWN

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7.5' USGS Quadrangles

AGELAIUS TRICOLOR (NESTING COLONY)
TRICOLORED BLACKBIRD
Element Code: ABPBXB0020

-----List Status-----	NDDB Element Ranks	-----Other Lists-----
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

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

General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN THE 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.

* SENSITIVE *

Occurrence No. 235	Map Index:	-----Dates Last Seen-----	Lat/Long: /	Township:
Occ Rank: Good		Element: 1992-06-29	UTM:	Range:
Origin: Natural/Native occurrence		Site: 1992-06-29	Precision:	Section: Qtr
Presence: Presumed Extant			Symbol Type:	Meridian:
Trend: Unknown			Radius:	Elevation:

Main Source: MULLEN, D. & G. BEEMAN 1992 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
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: HABITAT CONSISTS OF AN ARTIFICIALLY IMPOUNDED POND GROWN OVER WITH A HEAVY STAND OF TYPHA SP.
Threat:
General:
Owner/Manager:

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

EUMOPS PEROTIS CALIFORNICUS
CALIFORNIA MASTIFF BAT
Element Code: AMACD02011

-----List Status----- NDDB Element Ranks----- Other Lists-----
Federal: None Global: G5T4? CDFG Status: SC
State: None State: S3?

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

General: MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER & DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL ETC
Micro: ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES & TUNNELS.

Occurrence No. 17 Map Index:33090 ---Dates Last Seen--- Lat/Long: 37°38'11" / 121°29'23" Township: 03S
Occ Rank: Excellent Element: 1991-07-18 UTM: Zone-10 N4166342 E633261 Range: 04E
Origin: Natural/Native occurrence Site: 1991-07-18 Precision: NON-SPECIFIC Section: 25 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 700 ft
Main Source: MULLEN, D. A. 1991 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: CASTLE ROCK, ON THE EAST SIDE OF CORRAL HOLLOW ROAD, 7 MILES SSW OF TRACY.
-----Comments-----
Distribution:
Ecological:
Threat:
General: 2 INDIVIDUALS OBSERVED FLYING NEAR THE NORTH CLIFF FACE AT 11:40PM; IDENTIFIED BY LARGE SIZE AND LOUD, AUDIBLE
SOUNDS.
Owner/Manager: PVT

California Department of Fish and Game
Natural Diversity Data Base

Search of All Records in the Midway and Tracy

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PEROGNATHUS INORNATUS INORNATUS
SAN JOAQUIN POCKET MOUSE
Element Code: AMAFD01061

-----List Status----- NDDB Element Ranks----- Other Lists-----
Federal: None Global: G4T2T3 CDFG Status:
State: None State: S2S3

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

General: TYPICALLY FOUND IN GRASSLANDS AND BLUE OAK SAVANNAS.
Micro: NEEDS FRIABLE SOILS.

Occurrence No. 3 Map Index:10990 ---Dates Last Seen--- Lat/Long: 37°38'15" / 121°34'54" Township: 03S
Occ Rank: Unknown Element: 1939-06-18 UTM: Zone-10 N4166337 E625142 Range: 04E
Origin: Natural/Native occurrence Site: 1939-06-18 Precision: NON-SPECIFIC Section: 30 Qtr SW
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1 mile Elevation:
Main Source: SIMPSON, J. 1939 (MUS)
Quad Summary: MIDWAY (3712165/445A)*, CEDAR MTN. (3712155/445D)
County Summary: ALAMEDA
SNA Summary:
Location: CORRAL HOLLOW: 1 MI E TESLA.
-----Comments-----
Distribution:
Ecological:
Threat:
General: MVZ #87976.
Owner/Manager: UNKNOWN

Occurrence No. 44 Map Index:11232 ---Dates Last Seen--- Lat/Long: 37°38'18" / 121°29'24" Township: 03S
Occ Rank: Unknown Element: 1911-03-18 UTM: Zone-10 N4166555 E633229 Range: 04E
Origin: Natural/Native occurrence Site: 1911-03-18 Precision: NON-SPECIFIC Section: 25 Qtr W
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1 mile Elevation:
Main Source: TAYLOR, W. 1911 (MUS)
Quad Summary: TRACY (3712164/444B)*, LONE TREE CREEK (3712154/444C), MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: CORRAL HOLLOW, 8 MI SW TRACY.
-----Comments-----
Distribution:
Ecological:
Threat:
General: MVZ #14484.
Owner/Manager: UNKNOWN

Occurrence No. 72 Map Index:38740 ---Dates Last Seen--- Lat/Long: 37°44'06" / 121°33'16" Township: 02S
Occ Rank: Good Element: 1992-04-08 UTM: Zone-10 N4177199 E627382 Range: 04E
Origin: Natural/Native occurrence Site: 1992-04-08 Precision: SPECIFIC Section: 29 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 280 ft
Main Source: MULLEN, D. & G. BEEMAN 1992 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: CREDO RANCH, 1 MILE SE OF JUNCTION OF I-580, I-205 & MIDWAY ROAD, 0.3 MILE SW OF MILE 10 CALIFORNIA AQUEDUCT.
-----Comments-----
Distribution:
Ecological:
Threat: CATTLE GRAZING, DEVELOPMENTS FOR AUTO RACING AND PAINT BALL RECREATION AREAS.
General: 2 DEAD ADULT MALES FOUND UNDER A PIECE OF SCRAP PLYWOOD, NOT CRUSHED BY WOOD, CAUSE OF DEATH UNKNOWN.
Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

NEOTOMA FUSCIPES RIPARIA
RIPARIAN (=SAN JOAQUIN VALLEY) WOODRAT
Element Code: AMAFF08081

—List Status—
Federal: Endangered
State: None

NDDB Element Ranks
Global: G5T1
State: S1

—Other Lists—
CDFG Status: SC

—Habitat Associations—

General: RIPARIAN AREAS ALONG THE SAN JOAQUIN, STANISLAUS & TUOLUMNE RIVERS.

Micro: NEED AREAS WITH MIX OF BRUSH & TREES. NEED SUITABLE NESTING SITES IN TREES, SNAGES OR LOGS.

Occurrence No. 1 Map Index:11232 —Dates Last Seen— Lat/Long: 37°38'18" / 121°29'24" Township: 03S
Occ Rank: Unknown Element: 1955-10-13 UTM: Zone-10 N4166555 E633229 Range: 04E
Origin: Natural/Native occurrence Site: 1955-10-13 Precision: NON-SPECIFIC Section: 25 Qtr W
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1 mile Elevation:
Main Source: GOLDEN, R. 1955 (MUS)
Quad Summary: TRACY (3712164/444B)*, LONE TREE CREEK (3712154/444C), MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary:
Location: CORRAL HOLLOW CREEK, 4 MI E ALAMEDA CO LINE.
—Comments—
Distribution:
Ecological:
Threat:
General: MVZ #128790. ALSO MVZ #94769 FROM 11-9-1939.
Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

VULPES MACROTIS MUTICA
SAN JOAQUIN KIT FOX
Element Code: AMAJA03041

—List Status— NDDB Element Ranks —Other Lists—
Federal: Endangered Global: G4T2T3 CDFG Status:
State: Threatened State: S2S3

—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.

Occurrence No. 17 Map Index: 23600 —Dates Last Seen— Lat/Long: 37°31'47" / 121°17'33" Township: 06S
Occ Rank: Unknown Element: 1992-08-92 UTM: Zone-10 N4154791 E650887 Range: 07E
Origin: Natural/Native occurrence Site: 1992-08-92 Precision: NON-SPECIFIC Section: XX Qtr XX
Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
Trend: Unknown Area: 374,080.4 ac Elevation: 700 ft

Main Source: BELL, H. 1992 (OBS)

Quad Summary: SOLYO (3712153/444D)*, VOLTA (3712018/403C), INGOMAR (3712028/403B), SAN LUIS DAM (3712111/404D), PACHECO PASS (3712112/404C), HOWARD RANCH (3712121/404A), CREVISON PEAK (3712122/404B), NEWMAN (3712131/424D), ORESTIMBA PEAK (3712132/424C), CROWS LANDING (3712141/424A), PATTERSON (3712142/424B), COPPER MTN. (3712143/425A), BRUSH LAKE (3712151/443D), WESTLEY (3712152/443C), LONE TREE CREEK (3712154/444C), CEDAR MTN. (3712155/445D), VERNALIS (3712163/444A), TRACY (3712164/444B), MIDWAY (3712165/445A), ALTAMONT (3712166/445B), LIVERMORE (3712167/446A), DUBLIN (3712168/446B), UNION ISLAND (3712174/462C), CLIFTON COURT FOREBAY (3712175/463D), BYRON HOT SPRINGS (3712176/463C), TASSAJARA (3712177/464D), DIABLO (3712178/464C), WOODWARD ISLAND (3712185/463A), BRENTWOOD (3712186/463B), ANTIOCH SOUTH (3712187/464A), CLAYTON (3712188/464B)

County Summary: ALAMEDA, CONTRA COSTA, MERCED, SAN JOAQUIN, STANISLAUS

SNA Summary:

Location: NORTHWEST SAN JOAQUIN VALLEY; NORTH TO ANTIOCH AND SOUTH TO HIGHWAY 152.

—Comments—

Distribution: DENSITIES THROUGHOUT THE AREA ARE NOT KNOWN. NUMEROUS SIGHTINGS HAVE BEEN RECORDED FROM 1972-1992.

Ecological: GRAZED ANNUAL GRASSLAND, VALLEY/COASTAL MOUNTAIN INTERFACE, AGRICULTURAL LAND.

Threat: DEVELOPMENT, GRAZING, COMPETITION FROM RED FOX AND COYOTE, AGRICULTURE, ROAD CROSSING.

General: A LARGE AMOUNT OF DATA IS AVAILABLE FOR THIS OCCURRENCE IN THE VULPES MACROTIS MUTICA ELEMENT FILE.

Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

CLEMMYS MARMORATA
WESTERN POND TURTLE
Element Code: ARAAD02030

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

—Habitat Associations—

General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.
Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

Occurrence No. 113	Map Index:34683	—Dates Last Seen—	Lat/Long: 37°39'24" / 121°28'55"	Township: 03S
Occ Rank: Excellent		Element: 1993-05-10	UTM: Zone-10 N4168589 E633899	Range: 04E
Origin: Natural/Native occurrence		Site: 1993-05-10	Precision: SPECIFIC	Section: 24 Qtr SE
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 13.3 ac	Elevation: 330 ft
Main Source: ELY, E. 1993 (OBS)				
Quad Summary: TRACY (3712164/444B)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: CORRAL HOLLOW CREEK; 2.0 ROAD MILES WEST OF INTERSTATE 580 ON CORRAL HOLLOW ROAD.				
—Comments—				
Distribution: 2 SITES: ONE AT 1.8 ROAD MILES WEST OF I-580 ON CORRAL HOLLOW ROAD, OTHER SITE UNDER THIRD BRIDGE CROSSING CORRAL HOLLOW CREEK ALONG CORRAL HOLLOW ROAD WEST OF I-580.				
Ecological: RIPARIAN WITH DENSE WILLOW.				
Threat: CATTLE AND SHEEP GRAZING IN UPLAND HABITAT.				
General: 2 JUVENILES OBSERVED BASKING (1 AT EACH SITE) BY E. ELY; 3 RANA AURORA DRAYTONI PRESENT.				
Owner/Manager: UNKNOWN				

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

PHRYNOSOMA CORONATUM FRONTALE
CALIFORNIA HORNED LIZARD
Element Code: ARACF12022

—List Status—	NDDB Element Ranks	—Other Lists—
Federal: None	Global: G4T3T4	CDFG Status: SC
State: None	State: S3S4	

—Habitat Associations—

General: FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.
Micro: OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

Occurrence No. 2	Map Index:23073	—Dates Last Seen—	Lat/Long: 37°44'16" / 121°33'05"	Township: 02S
Occ Rank: Good		Element: 1992-04-13	UTM: Zone-10 N4177496 E627648	Range: 04E
Origin: Natural/Native occurrence		Site: 1992-04-13	Precision: SPECIFIC	Section: 20 Qtr SE
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 80 meters	Elevation: 200 ft
Main Source: MULLEN, D. A. 1992 (OBS)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: 0.5 MILE EAST OF ALTAMONT SPEEDWAY, JUST NORTH OF I-580.				
—Comments—				
Distribution:				
Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLANDS.				
Threat:				
General: ONE JUVENILE OBSERVED.				
Owner/Manager: PVT-CREDO RANCH				

Occurrence No. 3	Map Index:23076	—Dates Last Seen—	Lat/Long: 37°42'04" / 121°32'33"	Township: 03S
Occ Rank: Good		Element: 1992-06-29	UTM: Zone-10 N4173449 E628500	Range: 04E
Origin: Natural/Native occurrence		Site: 1992-06-29	Precision: SPECIFIC	Section: 04 Qtr NW
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 80 meters	Elevation: 400 ft
Main Source: MULLEN, D. & G. BEEMAN 1992 (OBS)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: 1.6 MILES NORTH OF THE LAWRENCE RADIATION LABORATORY BOUNDARY, 7 MILES WSW OF TRACY.				
—Comments—				
Distribution:				
Ecological: HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND.				
Threat:				
General: ONE ADULT MALE FOUND ON A ROADWAY.				
Owner/Manager: PVT-YROZ RANCH				

Occurrence No. 4	Map Index:23072	—Dates Last Seen—	Lat/Long: 37°38'38" / 121°26'50"	Township: 03S
Occ Rank: Poor		Element: 1991-06-22	UTM: Zone-10 N4167240 E636985	Range: 05E
Origin: Natural/Native occurrence		Site: 1991-06-22	Precision: NON-SPECIFIC	Section: 29 Qtr SW
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 1/5 mile	Elevation: 450 ft
Main Source: MULLEN, D. & G. BEEMAN 1991 (OBS)				
Quad Summary: TRACY (3712164/444B)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: 1.25 MILES SW OF I-580, 2.7 MILES SOUTH OF THE TRACY AIRPORT.				
—Comments—				
Distribution:				
Ecological: HABITAT CONSISTS OF SPARSE, GRAZED GRASSLAND.				
Threat:				
General: 3 JUVENILES OBSERVED.				
Owner/Manager: PVT				

Search of All Records in the Midway and Tracy

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PHRYNOSOMA CORONATUM FRONTALE (cont.)
CALIFORNIA HORNED LIZARD
Element Code: ARACF12022

-----List Status----- NDDB Element Ranks----- Other Lists-----
Federal: None Global: G4T3T4 CDFG Status: SC
State: None State: S3S4

Occurrence No. 29 Map Index:39895 ---Dates Last Seen--- Lat/Long: 37°40'11" / 121°30'01" Township: 03S
Occ Rank: Unknown Element: 1990-06-07 UTM: Zone-10 N4170044 E632260 Range: 04E
Origin: Natural/Native occurrence Site: 1990-06-07 Precision: NON-SPECIFIC Section: 14 Qtr SE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 700 ft
Main Source: SCHMOLDT, D. 1990 (OBS)
Quad Summary: MIDWAY (3712165/445A)*, TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: ~2.5 MILES WEST OF I-580 & CORRAL HOLLOW ROAD JUNCTION, 2.3 MILES SOUTH OF CROSSING OF WESTERN PACIFIC RAILWAY
& I-580.

-----Comments-----
Distribution: AREA SEVERAL MILES SOUTHWEST OF TRACY.
Ecological: HEAVILY GRAZED, INTRODUCED ANNUAL GRASSLAND, IN LOW HILLS.
Threat: GRAZING, PLANNED FOR DEVELOPMENT, LOCATION WHERE THE LIZARD WAS FOUND IS PLANNED FOR DEVELOPMENT OF AN
ARTIFICIAL LAKE.
General: 1 FOUND 7 JUNE 1990. MEASUREMENTS: TOTAL LENGTH 5"; NOSE TO BASE OF TAIL 3.5"; WIDTH AT WIDEST POINT, 2".
Owner/Manager: PVT

California Department of Fish and Game
Natural Diversity Data Base

Search of All Records in the Midway and Tracy

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MASTICOPHIS FLAGELLUM RUDDOCKI
SAN JOAQUIN WHIPSNAKE
Element Code: ARADB21021

-----List Status----- NDDB Element Ranks -----Other Lists-----
Federal: None Global: G5T2? 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. 2 Map Index:33715 -----Dates Last Seen----- Lat/Long: 37°39'23" / 121°28'59" Township: 03S
Occ Rank: Good Element: 1991-05-19 UTM: Zone-10 N4168576 E633809 Range: 04E
Origin: Natural/Native occurrence Site: 1991-05-19 Precision: SPECIFIC Section: 24 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 80 meters Elevation: 500 ft
Main Source: MULLEN, D. & G. BEEMAN 1991 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
SNA Summary:
Location: CORRAL HOLLOW ROAD, NEAR THE MOUTH OF CORRAL HOLLOW, 6 MILES SSW OF TRACY.
-----Comments-----
Distribution:
Ecological: HABITAT ADJACENT TO CORRAL HOLLOW ROAD CONSISTS OF RIPARIAN.
Threat: POSSIBLY THREATENED BY CATTLE GRAZING.
General: ONE DOR SPECIMEN COLLECTED (FOR ID ONLY, THEN DISCARDED) ON 19 MAY 1991.
Owner/Manager: UNKNOWN

Occurrence No. 20 Map Index:40665 -----Dates Last Seen----- Lat/Long: 37°38'57" / 121°33'12" Township: 03S
Occ Rank: Excellent Element: 1998-07-08 UTM: Zone-10 N4167672 E627610 Range: 04E
Origin: Natural/Native occurrence Site: 1998-07-08 Precision: NON-SPECIFIC Section: 29 Qtr NE
Presence: Presumed Extant Symbol Type: POINT Meridian: M
Trend: Unknown Radius: 1/5 mile Elevation: 1300 ft
Main Source: SWAIM, K. 1998 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA, SAN JOAQUIN
SNA Summary:
Location: SITE 300, LAWRENCE LIVERMORE NATIONAL LABORATORY, BETWEEN LIVERMORE AND TRACY.
-----Comments-----
Distribution:
Ecological: HABITAT CONSISTS OF OPEN-CANOPY SCRUB, DOMINATED BY BLACK SAGE (SALVIA MELLIFERA).
Threat:
General: 9 ADULTS CAPTURED BETWEEN 17 APR & 8 JUL 1998.
Owner/Manager: UC-BERKELEY

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

VALLEY SINK SCRUB

Element Code: CTT36210CA

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

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

Occurrence No. 24 Map Index:10933 ---Dates Last Seen--- Lat/Long: 37°44'36" / 121°37'28" Township: 02S
Occ Rank: Unknown Element: 1987-04-14 UTM: Zone-10 N4178026 E621198 Range: 03E
Origin: Natural/Native occurrence Site: 1987-04-14 Precision: SPECIFIC Section: 23 Qtr SW
Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
Trend: Unknown Area: 32.4 ac Elevation: 480 ft
Main Source: JOKERST, J. 1987 (OBS)
Quad Summary: ALTAMONT (3712166/445B)*, MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary: Redmond Cut
Location: NORTH OF ALTAMONT PASS RD FROM 1.5-3.2 MI EAST OF SUMMIT SCHOOL.
-----Comments-----
Distribution: ALONG CREEK.
Ecological: VALLEY SINK SCRUB W/ ALLENROLFEA, CYPERUS, SUAEDA, FRANKENIA & OTHERS.
Threat: MODERATE LIVESTOCK GRAZING MAY HAVE SOME NEGATIVE IMPACT ON VEG.
General: THIS WAS OCC #024 OF CTT36210CA.
Owner/Manager: UNKNOWN

California Department of Fish and Game
Natural Diversity Data Base

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BLEPHARIZONIA PLUMOSA SSP PLUMOSA
BIG TARPLANT
Element Code: PDAST1C011

—List Status—	NDDB Element Ranks	—Other Lists—
Federal: None	Global: G4T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

—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. 4 Map Index:11363 —Dates Last Seen— Lat/Long: 37°44'24" / 121°25'30" Township: 02S
 Occ Rank: Unknown Element: 1935-09-07 UTM: Zone-10 N4177930 E638775 Range: 05E
 Origin: Natural/Native occurrence Site: 1935-09-07 Precision: NON-SPECIFIC Section: 21 Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1 mile Elevation: 50 ft
 Main Source: HOOVER #716 JEPS (HERB)
 Quad Summary: TRACY (3712164/444B)*, UNION ISLAND (3712174/462C)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: TRACY.
 —Comments—
 Distribution:
 Ecological:
 Threat:
 General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1935 COLLECTION BY HOOVER. ORIGINAL LABEL "BLEPHARIZONIA PLUMOSA" ANNOTATED TO "B.P. SSP PLUMOSA" BY THOMPSON IN 1983.
 Owner/Manager: UNKNOWN

Occurrence No. 5 Map Index:11164 —Dates Last Seen— Lat/Long: 37°42'53" / 121°31'11" Township: 02S
 Occ Rank: Unknown Element: 1908-10-19 UTM: Zone-10 N4174989 E630472 Range: 04E
 Origin: Natural/Native occurrence Site: 1908-10-19 Precision: NON-SPECIFIC Section: 34 Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1 mile Elevation: 240 ft
 Main Source: MCMURPHY SN UC #990567 (HERB)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: ALONG RAILROAD TRACKS 6.5 MILES WEST OF TRACY. (MAPPED ABOUT 2 MILES EAST OF MIDWAY ON SOUTHERN PACIFIC TRACKS).
 —Comments—
 Distribution: THREE DIFFERENT SETS OF TRACKS CAN BE INTERPRETED AS WEST OF TRACY; SOUTHERN PACIFIC RUNNING NW TOWARDS BETHANY, WESTERN PACIFIC RUNNING W FROM CARBONA, AND SOUTHERN PACIFIC RUNNING WSW TOWARDS MIDWAY.
 Ecological:
 Threat:
 General: ONLY SOURCE OF INFORMATION IS 1908 COLLECTION BY MCMURPHY.
 Owner/Manager: UNKNOWN

Occurrence No. 6 Map Index:31490 —Dates Last Seen— Lat/Long: 37°38'54" / 121°35'56" Township: 03S
 Occ Rank: Fair Element: 1996-10-04 UTM: Zone-10 N4167525 E623595 Range: 03E
 Origin: Natural/Native occurrence Site: 1996-10-04 Precision: SPECIFIC Section: 25 Qtr NW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 1120 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: ABOUT 0.7 AIRMI N OF TESLA, SOUTH SIDE OF TESLA ROAD, ABOUT 0.6 MI EAST OF SUMMIT.
 —Comments—
 Distribution:
 Ecological: ON ROAD BANK AND IN ANNUAL GRASSLAND. N-FACING SLOPE IN CLAY LOAM SOILS WITH AVENA FATUA, GRINDELIA CAMPORUM, LEPIDIUM NITIDUM, & LUPINUS MICROCARPUS.
 Threat:
 General: 200 PLANTS IN 1996. THIS SITE PROBABLY INCLUDES A 1933 COLLECTION BY KECK (#2500 UC) FROM "HALFWAY UP THE GRADE, 1 MI NORTH OF TESLA".
 Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

BLEPHARIZONIA PLUMOSA SSP PLUMOSA (cont.)
BIG TARPLANT
Element Code: PDAST1C011

—List Status—	NDDB Element Ranks	—Other Lists—
Federal: None	Global: G4T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

Occurrence No. 7 Map Index:31491 —Dates Last Seen— Lat/Long: 37°37'44" / 121°36'46"
 Occ Rank: Unknown Element: 1932-10-16 UTM: Zone-10 N4165348 E622411 Township: 03S
 Origin: Natural/Native occurrence Site: 1932-10-16 Precision: NON-SPECIFIC Range: 03E
 Presence: Presumed Extant Symbol Type: POINT Section: 35 Qtr NE
 Trend: Unknown Radius: 3/5 mile Meridian: M
 Main Source: CRUM #1481 UC (HERB) Elevation: 1500 ft
 Quad Summary: MIDWAY (3712165/445A)*, CEDAR MTN. (3712155/445D)
 County Summary: ALAMEDA
 SNA Summary:
 Location: 1 MILE SOUTHWEST OF TESLA, MOUNT HAMILTON RANGE.
 —Comments—
 Distribution:
 Ecological: GROWING IN DRY SOIL OF NORTH FACING SLOPE.
 Threat:
 General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1932 COLLECTION BY CRUM. ORIGINAL LABEL "BLEPHARIZONIA PLUMOSA"
 NOT FURTHER ANNOTATED.
 Owner/Manager: UNKNOWN

Occurrence No. 13 Map Index:37336 —Dates Last Seen— Lat/Long: 37°39'20" / 121°29'07"
 Occ Rank: Good Element: 1996-10-04 UTM: Zone-10 N4168487 E633612 Township: 03S
 Origin: Natural/Native occurrence Site: 1996-10-04 Precision: SPECIFIC Range: 04E
 Presence: Presumed Extant Symbol Type: POINT Section: 24 Qtr SW
 Trend: Unknown Radius: 80 meters Meridian: M
 Main Source: PRESTON, R. 1996 (OBS) Elevation: 500 ft
 Quad Summary: TRACY (3712164/444B)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: NW SLOPE OF BLACK BUTTE, SOUTH OF CORRAL HOLLOW ROAD. ABOUT 2 MI W OF I-5.
 —Comments—
 Distribution: NE1/4 OF SW1/4 OF SECTION 24.
 Ecological: ANNUAL GRASSLAND WITH AVENA FATUA, BROMUS DIANDRUS, B. HORDEACEUS, EPILOBIUM PANICULATUM, GRINDELIA CAMPORUM &
 HOLOCARPHA OBCONICA. NE-FACING SLOPE. SOIL MAPPED AS WISFLAT-ARBURUA-SAN TIMOTEO COMPLEX.
 Threat: GRAZING THREATENS.
 General: 500 PLANTS IN 1996.
 Owner/Manager: PVT

Occurrence No. 14 Map Index:37337 —Dates Last Seen— Lat/Long: 37°39'02" / 121°36'22"
 Occ Rank: Fair Element: 1996-10-04 UTM: Zone-10 N4167745 E622962 Township: 03S
 Origin: Natural/Native occurrence Site: 1996-10-04 Precision: SPECIFIC Range: 03E
 Presence: Presumed Extant Symbol Type: POINT Section: 23 Qtr SE
 Trend: Unknown Radius: 80 meters Meridian: M
 Main Source: PRESTON, R. 1996 (OBS) Elevation: 1400 ft
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: 1 AIRMI SW OF JOHNSON CAMP, SOUTH SIDE OF TESLA ROAD, 0.2 MI NW OF SUMMIT.
 —Comments—
 Distribution:
 Ecological: ROADCUT AND ANNUAL GRASSLAND WITHIN OAK WOODLAND. N-FACING SLOPE WITH VULPIA SP., AVENA SP., EPILOBIUM
 BRACHYCARPUM, HIRSCHFELDIA INCANA, AND TOXICODENDRON DIVERSILOBUM. IN SANDY CLAY LOAM SOIL (ALAMONT CLAY).
 Threat: ROAD MAINTENANCE, SLUMPING, AND EROSION THREATEN.
 General: AT LEAST 100 PLANTS IN 1996.
 Owner/Manager: PVT

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BLEPHARIZONIA PLUMOSA SSP PLUMOSA (cont.)
BIG TARPLANT
Element Code: PDAST1C011

—List Status—	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

Occurrence No. 15 Map Index:37344 —Dates Last Seen— Lat/Long: 37°42'38" / 121°33'31" Township: 02S
 Occ Rank: Good Element: 1996-10-04 UTM: Zone-10 N4174465 E627060 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-10-04 Precision: SPECIFIC Section: 32 Qtr SW
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 13.8 ac Elevation: 370 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: MIDWAY; BETWEEN MIDWAY ROAD AND POWER SUBSTATION.
 —Comments—
 Distribution: SE1/4 OF SW1/4 OF SECTION 32.
 Ecological: GENTLY SLOPING ANNUAL GRASSLAND WITH VULPIA SP., BROMUS HORDACEUS, HORDEUM MARINUM GURSMANUM, CENTAUREA SOLSTITIALIS. SOIL MAPPED AS CLEAR LAKE LOAM.
 Threat: EDGE OF FIELD DISKED FOR FIRE SUPPRESSION.
 General: 500 PLANTS IN 1996.
 Owner/Manager: PVT

Occurrence No. 16 Map Index:37366 —Dates Last Seen— Lat/Long: 37°38'53" / 121°30'31" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4167604 E631572 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 26 Qtr N
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 29.1 ac Elevation: 800 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE NATIONAL LAB, SITE 300. FROM 2.5 MI NE TO 3.0 MI ENE OF JCT COUNTY LINE & CORRAL HOLLOW RD ON TOPO.
 —Comments—
 Distribution: ALONG BOTH SIDES OF ROAD WHICH RUNS THROUGH ELK RAVINE. MAPPED AS FIVE POLYGONS AT CNDDB.
 Ecological: NONNATIVE ANNUAL GRASSLAND WITH BROMUS DIANDRUS, B. HORDEACEUS, B. MADRITENSIS RUBENS, AVENA SP., GUTIERREZIA CA, ERIOGONUM ANGULOSUM, HOLOCARPHA OBCONICA, AMSINCKIA INTERMEDIA, LEYMUS TRITICOIDES, & GRINDELIA CAMPORUM.
 Threat: FIRE CONTROL ACTIVITIES AND PROPOSED DRAINAGE CULVERT THREATEN PORTIONS OF THIS OCCURRENCE.
 General:
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 17 Map Index:37453 —Dates Last Seen— Lat/Long: 37°39'25" / 121°31'30" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4168584 E630118 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 22 Qtr W
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 2.2 ac Elevation: 980 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. E SIDE ELK RAVINE, 2.25 AIRMI NE OF JCT COUNTY LINE & CORRAL HOLLOW RD ON TOPO.
 —Comments—
 Distribution: SOUTH OF BUILDING 812 COMPLEX.
 Ecological: NE-FACING SLOPES. SOIL MAPPED AS WISFLAT-ARBURUA-SAN TIMOTEO COMPLEX. 30-50% SLOPES. MOSTLY IN CONTROLLED BURN AREAS; ALSO ON ROADSIDES.
 Threat:
 General: SEVERAL HUNDRED PLANTS IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Search of All Records in the Midway and Tracy

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BLEPHARIZONIA PLUMOSA SSP PLUMOSA (cont.)
BIG TARPLANT
Element Code: PDAST1C011

—List Status—	NDDB Element Ranks—	Other Lists—
Federal: None	Global: G4T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

Occurrence No. 18 Map Index:37455 —Dates Last Seen— Lat/Long: 37°39'56" / 121°31'52" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4169528 E629556 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 16 Qtr SE
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 8.8 ac Elevation: 1150 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LABORATORY, SITE 300. 2.5 MI NE OF JCT COUNTY LINE & CORRAL HOLLOW RD ON TOPO. E SIDE OF ELK RAVINE.

—Comments—
 Distribution: ADJACENT TO BUILDING 801.
 Ecological: W-FACING SLOPES IN CLAY SOIL. PRIMARILY IN CONTROLLED BURN AREAS; ALSO ON ROADSIDES.
 Threat: BUILDING CONSTRUCTION MAY AFFECT SOME PLANTS HERE.
 General: SEVERAL HUNDRED PLANTS IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 19 Map Index:37457 —Dates Last Seen— Lat/Long: 37°39'59" / 121°33'05" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4169568 E627765 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 17 Qtr SE
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 1300 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 2.1 MI NNE OF JCT COUNTY LINE AND CORRAL HOLLOW ROAD ON TOPO.

—Comments—
 Distribution: IN AND ALONG DIRT ROAD AND LOWER SLOPE.
 Ecological: IN DISTURBED ANNUAL GRASSLAND (ANNUALLY BURNED) ON N-FACING SLOPE IN ROCKY CLAY LOAM SOIL.
 Threat: MAY BE AFFECTED BY FUTURE CONSTRUCTION OF DRAINAGE DITCH AROUND SITE.
 General: APPROX. 100 PLANTS IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 20 Map Index:37458 —Dates Last Seen— Lat/Long: 37°40'25" / 121°31'47" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4170400 E629669 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 16 Qtr NE
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 4.5 ac Elevation: 1200 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. APPROX. 3.2 MI SE OF MIDWAY.

—Comments—
 Distribution: ALSO IN THE NW 1/4 OF SECTION 15. SEVERAL PATCHES SCATTERED ALONG VARIOUS ROADS (UNNAMED ON TOPO).
 Ecological: PRIMARILY IN CONTROLLED BURN AREAS - ANNUAL GRASSLAND ON CLAY TO CLAY LOAM SOILS. USUALLY ON SLOPES. ALSO ON ROADSIDES.
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

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BLEPHARIZONIA PLUMOSA SSP PLUMOSA (cont.)

BIG TARPLANT

Element Code: PDAST1C011

—List Status—

Federal: None

State: None

—NDDB Element Ranks—

Global: G4T1

State: S1.1

—Other Lists—

CNPS List: 1B

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

Occurrence No. 21 Map Index:37459 —Dates Last Seen— Lat/Long: 37°39'21" / 121°31'49" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4168446 E629649 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 21 Qtr SE
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 1080 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 2 MI NE OF JCT COUNTY LINE AND CORRAL HOLLOW ROAD ON TOPO.
 —Comments—
 Distribution: E-FACING SLOPE ON EAST SIDE OF UNNAMED ROAD ON TOPO.
 Ecological: PRIMARILY IN CONTROLLED BURN AREAS; ALSO ON ROADSIDES. CLAY SOILS.
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 22 Map Index:37465 —Dates Last Seen— Lat/Long: 37°39'06" / 121°32'06" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4167986 E629236 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 21 Qtr SE
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 1340 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 1.6 MI NE OF JCT COUNTY LINE AND CORRAL HOLLOW ROAD ON TOPO.
 —Comments—
 Distribution: ON WEST SIDE OF UNNAMED ROAD ON TOPO.
 Ecological:
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 23 Map Index:37466 —Dates Last Seen— Lat/Long: 37°38'50" / 121°31'31" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4167505 E630092 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 27 Qtr NW
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 4.8 ac Elevation: 1200 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 1.3-1.6 MI N OF CARNEGIE (SITE).
 —Comments—
 Distribution: MOSTLY ON WEST SIDE OF UNNAMED ROAD ON TOPO. ALSO IN SW 1/4 OF SECTION 22.
 Ecological:
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

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BLEPHARIZONIA PLUMOSA SSP PLUMOSA (cont.)
BIG TARPLANT
Element Code: PDAST1C011

—List Status—	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

Occurrence No. 24 Map Index:37467 —Dates Last Seen— Lat/Long: 37°38'33" / 121°31'00" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4166990 E630864 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 27 Qtr NE
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 5.4 ac Elevation: 950 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 2.2 MI ENE OF JCT COUNTY LINE AND CORRAL HOLLOW ROAD ON TOPO.
 —Comments—
 Distribution: ON BOTH SIDES OF UNNAMED ROAD ON TOPO. SE1/4 OF NE1/4 OF SECTION 27.
 Ecological:
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 25 Map Index:37468 —Dates Last Seen— Lat/Long: 37°38'32" / 121°31'24" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4166952 E630288 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 27 Qtr SW
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 1100 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 1.85 MI NE OF JCT COUNTY LINE AND CORRAL HOLLOW ROAD.
 —Comments—
 Distribution: ON WEST SIDE OF UNNAMED ROAD ON TOPO. FAR NE 1/4 OF SW 1/4 OF SECTION 27.
 Ecological:
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 26 Map Index:37469 —Dates Last Seen— Lat/Long: 37°38'11" / 121°31'07" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4166307 E630715 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 27 Qtr SE
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 80 meters Elevation: 920 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 0.7 MI NE OF CARNEGIE (SITE).
 —Comments—
 Distribution: SW1/4 OF SE1/4 SECTION 27.
 Ecological:
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

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BLEPHARIZONIA PLUMOSA SSP PLUMOSA (cont.)
BIG TARPLANT
Element Code: PDAST1C011

—List Status—	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

Occurrence No. 27 Map Index:37470 —Dates Last Seen— Lat/Long: 37°38'10" / 121°30'22" Township: 03S
 Occ Rank: Good Element: 1996-09-27 UTM: Zone-10 N4166294 E631813 Range: 04E
 Origin: Natural/Native occurrence Site: 1996-09-27 Precision: SPECIFIC Section: 26 Qtr SW
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 2.7 ac Elevation: 650 ft
 Main Source: PRESTON, R. 1996 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: LAWRENCE LIVERMORE LAB, SITE 300. 2.7 MI E OF JCT COUNTY LINE AND CORRAL HOLLOW ROAD.
 Comments:
 Distribution: SE1/4 OF SW1/4 SECTION 26.
 Ecological:
 Threat:
 General: UNKNOWN HOW MANY PLANTS SEEN IN 1996.
 Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 28 Map Index:41670 —Dates Last Seen— Lat/Long: 37°38'02" / 121°35'53" Township: 03S
 Occ Rank: Good Element: 1998-10-13 UTM: Zone-10 N4165926 E623690 Range: 03E
 Origin: Natural/Native occurrence Site: 1998-10-13 Precision: SPECIFIC Section: 36 Qtr NW
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 3.9 ac Elevation: 1650 ft
 Main Source: PRESTON, R. 1998 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: CORRAL HOLLOW, 0.5 MILES SSE OF TESLA (SITE), SOUTHWEST OF MIDWAY.
 Comments:
 Distribution: TWO COLONIES, BOTH MAPPED WITHIN THE NE 1/4 NW 1/4 SECTION 36.
 Ecological: ANNUAL GRASSLAND. ASSOCIATED WITH AVENA, GRINDELIA CAMPORUM, EREMOCARPUS SETIGERUS, BROMUS HORDEACEUS, B. DIANDRUS, HIRSCHFELDIA INCANA, EPILOBIUM BRACHYCARPUM. ON WEST AND NORTH FACING SLOPES.
 Threat: PROPOSED OFF-ROAD VEHICLE PARK.
 General: 500 PLANTS SEEN AT BOTH COLONIES BY PRESTON IN 1998.
 Owner/Manager: DPR

Occurrence No. 29 Map Index:41671 —Dates Last Seen— Lat/Long: 37°38'19" / 121°35'37" Township: 03S
 Occ Rank: Good Element: 1998-10-13 UTM: Zone-10 N4166465 E624079 Range: 03E
 Origin: Natural/Native occurrence Site: 1998-10-13 Precision: SPECIFIC Section: 25 Qtr SE
 Presence: Presumed Extant Symbol Type: POLYGON Meridian: M
 Trend: Unknown Area: 3.5 ac Elevation: 1000 ft
 Main Source: PRESTON, R. 1998 (OBS)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: ALAMEDA
 SNA Summary:
 Location: CORRAL HOLLOW, ABOUT 0.4 MILE ESE OF TESLA (SITE), SOUTHWEST OF MIDWAY.
 Comments:
 Distribution: SOUTH SIDE OF CORRAL HOLLOW CREEK. MAPPED WITHIN THE SW 1/4 SE 1/4 SECTION 25.
 Ecological: ANNUAL GRASSLAND. ASSOCIATED WITH HOLOCARPHA OBCONICA, LOLIUM MULTIFLORUM, GRINDELIA CAMPORUM, RUMEX CRISPUS, EPILOBIUM BRACHYCARPUM, ERIOGONUM GRACILE, LAGOPHYLLA SP.; SHRINK-SWELL CLAY SOIL.
 Threat: PROPOSED ORV PARK. SLOPE SUBJECT TO SLUMPING AND EROSION.
 General: 500 PLANTS SEEN IN 1998 BY PRESTON.
 Owner/Manager: DPR

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7.5' USGS Quadrangles

MADIA RADIATA
SHOWY MADIA
Element Code: PDAST650E0

List Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G2 State: S2.1	CNPS List: 1B R-E-D Code: 2-3-3

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND, CHENOPOD SCRUB.
Micro: MOSTLY ON ADOBE CLAY IN GRASSLAND OR AMONG SHRUBS. 25-1125M.

Occurrence No. 24	Map Index:24801	—Dates Last Seen—	Lat/Long: 37°37'48" / 121°32'03"	Township: 03S
Occ Rank: Unknown		Element: 1922-04-02	UTM: Zone-10 N4165562 E629352	Range: 04E
Origin: Natural/Native occurrence		Site: 1922-04-02	Precision: NON-SPECIFIC	Section: XX Qtr XX
Presence: Presumed Extant			Symbol Type: POLYGON	Meridian: M
Trend: Unknown			Area: 336.4 ac	Elevation: 600 ft
Main Source: JEPSON, W. #9562 JEPS (HERB)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: SAN JOAQUIN				
SNA Summary:				
Location: CORRAL HOLLOW, MT. HAMILTON RANGE.				
Comments				
Distribution: MAPPED IN VICINITY OF CARNEGIE (SITE).				
Ecological: GROWING ON A CLAY HILLTOP.				
Threat:				
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1922 COLLECTION BY JEPSON. NEEDS FIELDWORK.				
Owner/Manager: UNKNOWN				

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7.5' USGS Quadrangles

AMSINCKIA GRANDIFLORA
LARGE-FLOWERED FIDDLENECK
Element Code: PDBOR01050

—List Status—	NDDB Element Ranks—	Other Lists—
Federal: Endangered	Global: G1	CNPS List: 1B
State: Endangered	State: S1.1	R-E-D Code: 3-3-3

—Habitat Associations—

General: CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND. PROBABLY ONCE A LOT MORE COMMON; NOW KNOWN FROM 3 NATIVE OCCS.
Micro: ANNUAL GRASSLAND IN VARIOUS SOILS. 275-550M.

Occurrence No. 4	Map Index:11087	—Dates Last Seen—	Lat/Long: 37°38'44" / 121°32'47"	Township: 03S
Occ Rank: Unknown		Element: 1996-04-09	UTM: Zone-10 N4167278 E628241	Range: 04E
Origin: Natural/Native occurrence		Site: 1996-04-09	Precision: NON-SPECIFIC	Section: 28 Qtr NW
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 1/5 mile	Elevation: 950 ft

Main Source: TAYLOR, D. 1987 (LIT)
Quad Summary: MIDWAY (3712165/445A)
County Summary: SAN JOAQUIN
SNA Summary: Draney Canyon
Location: ABOUT 0.5 MILE EAST OF THE ALAMEDA COUNTY LINE, NORTH SIDE OF CORRAL CANYON AT LAWRENCE LIVERMORE LAB SITE 300.

—Comments—

Distribution: WITHIN SITE 300 OF LAWRENCE LIVERMORE NATIONAL LABORATORY. PAVLIK'S "SITE 300-DROPTOWER" SITE.
Ecological: ANNUAL GRASSLAND ON SANDY CLAY LOAM WITH BLUE OAK, ANNUAL GRASSES, AND AMSINCKIA TESSELATA.
Threat: LLL STAFF ASSURES THIS OCCURRENCE WILL NOT BE IMPACTED. AMSINCKIA COMPETES WITH NON-NATIVE GRASSES.
General: MORE THAN 50 PLANTS IN 1984, 188 PLANTS IN 1986, 344 PLANTS IN 1988, 236 PLANTS IN 1989, 104 IN 1990, 92 IN 1991, 546 IN '92, 332 IN '93, 1606 IN '94, 1104 IN '95, 1949 IN '96. SITE MANAGED FOR SPECIES IN 1991-1996.
Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 7	Map Index:11043	—Dates Last Seen—	Lat/Long: 37°39'02" / 121°33'41"	Township: 03S
Occ Rank: Unknown		Element: 1996-04-15	UTM: Zone-10 N4167813 E626909	Range: 04E
Origin: Natural/Native occurrence		Site: 1996-04-15	Precision: NON-SPECIFIC	Section: 20 Qtr SW
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 1/5 mile	Elevation: 1000 ft

Main Source: HOWALD, A. 1988 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary: Draney Canyon
Location: DRANEY CYN, NORTH OF CORRAL HOLLOW, LAWRENCE LIVERMORE NATL LABORATORY.

—Comments—

Distribution: WITHIN SITE 300 OF LAWRENCE LIVERMORE NATIONAL LABORATORY. PAVLIK'S "SITE 300-DRANEY CANYON" SITE.
Ecological: ON STEEP SLOPE ON SANDY SOIL IN ANNUAL GRASSLAND WITH OTHER AMSINCKIA SPP. AND LUPINES. SOIL IS QUITE DIFFERENT FROM OTHER OCCURRENCE (#4) AT SITE 300.
Threat: COMPETITION FROM NON-NATIVE GRASSES. AREA IS BUFFER LAND FOR LAB; NO USE IS PLANNED.
General: 19 PLANTS DISCOVERED BY E. DRANEY (MANAGER OF SITE 300). 23 PLANTS IN 1989, 16 IN '90, 29 IN '91, 28 IN '92, 28 IN '93, 13 IN '94, 27 IN '95, 9 IN '96. SITE MONITORED BY PAVLIK AS PART OF RECOVERY EFFORT.
Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

* SENSITIVE *

Occurrence No. 8	Map Index:	—Dates Last Seen—	Lat/Long: /	Township:
Occ Rank: Good		Element: 1996-05-16	UTM:	Range:
Origin: Natural/Native occurrence		Site: 1996-05-16	Precision:	Section: Qtr
Presence: Presumed Extant			Symbol Type:	Meridian:
Trend: Unknown			Radius:	Elevation:

Main Source: MULLEN, D. & G. BEEMAN 1991 (OBS)
Quad Summary: TRACY (3712164/444B)
County Summary: SAN JOAQUIN
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: STEEP NORTH-FACING CANYON WALL WITH SCATTERED SAGE IN ANNUAL GRASSLAND.
Threat:
General:
Owner/Manager:

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

TROPIDOCARPUM CAPPARIDEUM
CAPER-FRUITED TROPIDOCARPUM
Element Code: PDBRA2R010

—List Status—	NDDB Element Ranks	—Other Lists—
Federal: None	Global: GH	CNPS List: 1A
State: None	State: SH	R-E-D Code: *

—Habitat Associations—

General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE HILLS. 0-455M.

Occurrence No. 1 Map Index:11164 —Dates Last Seen— Lat/Long: 37°42'53" / 121°31'11" Township: 02S
 Occ Rank: None Element: 1932-03-20 UTM: Zone-10 N4174989 E630472 Range: 04E
 Origin: Natural/Native occurrence Site: 1987-03-XX Precision: NON-SPECIFIC Section: 34 Qtr XX
 Presence: Extirpated Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1 mile Elevation: 240 ft
 Main Source: MASON, H. SN #54252 JEPS (HERB)
 Quad Summary: MIDWAY (3712165/445A)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: 2 MI E OF MIDWAY.
 —Comments—
 Distribution:
 Ecological: ON PLAIN.
 Threat:
 General: VISITED BY DR. DEAN TAYLOR IN 1987 AND NO HABITAT REMAINS.
 Owner/Manager: PVT

Occurrence No. 2 Map Index:11363 —Dates Last Seen— Lat/Long: 37°44'24" / 121°25'30" Township: 02S
 Occ Rank: None Element: 1937-04-03 UTM: Zone-10 N4177930 E638775 Range: 05E
 Origin: Natural/Native occurrence Site: 1987-03-XX Precision: NON-SPECIFIC Section: 21 Qtr XX
 Presence: Extirpated Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1 mile Elevation: 50 ft
 Main Source: HOOVER, R. #1733 DS (HERB)
 Quad Summary: TRACY (3712164/444B)*, UNION ISLAND (3712174/462C)
 County Summary: SAN JOAQUIN
 SNA Summary:
 Location: TRACY.
 —Comments—
 Distribution:
 Ecological:
 Threat:
 General: SITE VISITED BY DR. DEAN TAYLOR IN 1987, AND NO HABITAT REMAINS.
 Owner/Manager: PVT

Occurrence No. 3 Map Index:22136 —Dates Last Seen— Lat/Long: 37°45'18" / 121°34'24" Township: 02S
 Occ Rank: Unknown Element: 1933-03-17 UTM: Zone-10 N4179376 E625668 Range: 04E
 Origin: Natural/Native occurrence Site: 1933-03-17 Precision: NON-SPECIFIC Section: 18 Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1 mile Elevation: 200 ft
 Main Source: ROSE, L. #33019 CAS, RSA, UCLA (HERB)
 Quad Summary: CLIFTON COURT FOREBAY (3712175/463D)*, MIDWAY (3712165/445A)
 County Summary: ALAMEDA, SAN JOAQUIN
 SNA Summary:
 Location: MOUNTAIN HOUSE, APPROX 5 AIRMI S OF CLIFTON COURT FOREBAY.
 —Comments—
 Distribution:
 Ecological: IN ALKALINE LOW HILLS.
 Threat:
 General:
 Owner/Manager: PVT

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

TROPIDOCARPUM CAPPARIDEUM (cont.)
CAPER-FRUITED TROPIDOCARPUM
Element Code: PDBRA2R010

—List Status—	—NDDB Element Ranks—	—Other Lists—
Federal: None	Global: GH	CNPS List: 1A
State: None	State: SH	R-E-D Code: *

Occurrence No. 5 Map Index:11015 —Dates Last Seen— Lat/Long: 37°44'38" / 121°34'19" Township: 02S
 Occ Rank: None Element: 1932-03-19 UTM: Zone-10 N4178154 E625820 Range: 04E
 Origin: Natural/Native occurrence Site: 1987-03-XX Precision: NON-SPECIFIC Section: 19 Qtr XX
 Presence: Extirpated Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 1 mile Elevation: 300 ft
 Main Source: MASON, H. #6818 DS (HERB)
 Quad Summary: MIDWAY (3712165/445A)*, CLIFTON COURT FOREBAY (3712175/463D)
 County Summary: ALAMEDA, SAN JOAQUIN
 SNA Summary:
 Location: ROAD FROM MOUNTAIN HOUSE TO MIDWAY, W OF TRACY.
 —Comments—
 Distribution:
 Ecological:
 Threat:
 General: SITE VISITED IN 1987 BY DR. DEAN TAYLOR, AND NO HABITAT REMAINS.
 Owner/Manager: PVT

Occurrence No. 11 Map Index:36869 —Dates Last Seen— Lat/Long: 37°42'02" / 121°42'55" Township: 03S
 Occ Rank: Unknown Element: 1897-03-XX UTM: Zone-10 N4173164 E613259 Range: 02E
 Origin: Natural/Native occurrence Site: 1897-03-XX Precision: NON-SPECIFIC Section: 02 Qtr XX
 Presence: Presumed Extant Symbol Type: POINT Meridian: M
 Trend: Unknown Radius: 5 mile Elevation: 540 ft
 Main Source: DUDLEY, W. SN DS (HERB)
 Quad Summary: ALTAMONT (3712166/445B)*, MIDWAY (3712165/445A), LIVERMORE (3712167/446A), BYRON HOT SPRINGS (3712176/463C),
 TASSAJARA (3712177/464D)
 County Summary: ALAMEDA
 SNA Summary:
 Location: BY RAILROAD EAST OF LIVERMORE.
 —Comments—
 Distribution:
 Ecological:
 Threat:
 General: ABOVE LOCATION DESCRIPTION IS ONLY INFORMATION. NO ELEVATION GIVEN ON HERBARIUM LABEL. SURVEYS NEEDED TO
 DETERMINE IF SUITABLE HABITAT EXISTS.
 Owner/Manager: UNKNOWN

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ASTRAGALUS TENER VAR FERRISIAE
FERRIS'S MILK-VETCH
Element Code: PDFAB0F8R3

—List Status—	—NDDB Element Ranks—	—Other Lists—
Federal: None	Global: G1T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-3-3

—Habitat Associations—

General: MEADOWS, VALLEY AND FOOTHILL GRASSLAND. ONLY A FEW EXTANT OCCURRENCES REMAIN; FORMERLY MORE WIDESPREAD IN THE VALLEY.
Micro: SUBALKALINE FLATS ON OVERFLOW LAND IN THE CENTRAL VALLEY; USUALLY SEEN IN DRY, ADOBE SOIL. 5-75M.

Occurrence No. 8	Map Index:22136	—Dates Last Seen—	Lat/Long: 37°45'18" / 121°34'24"	Township: 02S
Occ Rank: Unknown		Element: 1884-05-XX	UTM: Zone-10 N4179376 E625668	Range: 04E
Origin: Natural/Native occurrence		Site: 1884-05-XX	Precision: NON-SPECIFIC	Section: 18 Qtr XX
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 1 mile	Elevation: 200 ft
Main Source: LISTON, A. 1990 (LIT)				
Quad Summary: CLIFTON COURT FOREBAY (3712175/463D)*, MIDWAY (3712165/445A)				
County Summary: ALAMEDA, SAN JOAQUIN				
SNA Summary:				
Location: MOUNTAIN HOUSE.				
—Comments—				
Distribution:				
Ecological:				
Threat:				
General: HERBARIUM COLLECTION, BRANDEGEE SN (UC), IS ONLY SOURCE OF INFORMATION FOR THIS SITE. COLUSA CO. MENTIONED AS COLLECTION AREA BY LISTON. U.S.G.S. GAZETEER LISTS ONLY ONE MOUNTAIN HOUSE AND IT'S IN ALAMEDA CO.				
Owner/Manager: UNKNOWN				

California Department of Fish and Game
Natural Diversity Data Base

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7.5' USGS Quadrangles

ESCHSCHOLZIA RHOMBIPETALA
DIAMOND-PETALED CALIFORNIA POPPY
Element Code: PDPAPOA000

—List Status—
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

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

—Habitat Associations—

General: VALLEY AND FOOTHILL GRASSLAND. MOST SITES ARE HISTORICAL.
Micro: ALKALINE, CLAY SLOPES AND FLATS. 0-975M.

Occurrence No. 4 Map Index:36880 —Dates Last Seen— Lat/Long: 37°48'17" / 121°38'25"
Occ Rank: Unknown Element: XXXX-XX-XX UTM: Zone-10 N4184813 E619707 Township: 01S
Origin: Natural/Native occurrence Site: XXXX-XX-XX Precision: NON-SPECIFIC Range: 03E
Presence: Presumed Extant Symbol Type: POINT Section: 34 Qtr XX
Trend: Unknown Radius: 5 mile Meridian: M
Elevation: 100 ft
Main Source: CLARK, C. 1979 (PERS)
Quad Summary: BYRON HOT SPRINGS (3712176/463C)*, MIDWAY (3712165/445A), ALTAMONT (3712166/445B), CLIFTON COURT FOREBAY (3712175/463D), WOODWARD ISLAND (3712185/463A), BRENTWOOD (3712186/463B)
County Summary: ALAMEDA, CONTRA COSTA, SAN JOAQUIN
SNA Summary:
Location: HILLS SOUTH OF BYRON.
—Comments—
Distribution:
Ecological:
Threat:
General: COLLECTED AT ABOVE LOCATION BY GREENE, DATE UNKNOWN.
Owner/Manager: UNKNOWN

Occurrence No. 6 Map Index:37002 —Dates Last Seen— Lat/Long: 37°38'22" / 121°33'52"
Occ Rank: Good Element: 1997-05-06 UTM: Zone-10 N4166588 E626663 Township: 03S
Origin: Natural/Native occurrence Site: 1997-05-06 Precision: SPECIFIC Range: 04E
Presence: Presumed Extant Symbol Type: POINT Section: 29 Qtr SW
Trend: Unknown Radius: 80 meters Meridian: M
Elevation: 900 ft
Main Source: PRESTON, R. 1997 (OBS)
Quad Summary: MIDWAY (3712165/445A)
County Summary: ALAMEDA
SNA Summary:
Location: LAWRENCE LIVERMORE NATIONAL LABORATORY; SITE 300.
—Comments—
Distribution: SITE IS OPEN SPACE AREA WITHIN ENERGY RESEARCH FACILITY.
Ecological: N-FACING SLOPE ON FRIABLE CLAY SOIL. AT ECOTONE BETWEEN ANNUAL GRASSLAND AND ERODING BANK FACE. WITH POA SCABRELLA, BROMUS MADRITENSIS RUBENS, AVENA BARBATA, STYLOMECON HETEROPHYLLA AND MICROSERIS DOUGLASII.
Threat: EROSION THREATENS.
General: COLLECTED BY P. RAVEN IN 1949 FROM "UPPER CORRAL HOLLOW; BETWEEN TESLA (TESLA SIC.) AND CORRAL HOLLOW". THE MAPPED SITE WAS PRESUMED TO BE THE SAME SITE AS THIS RAVEN COLLECTION.
Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Search of All Records in the Midway and Tracy

7.5' USGS Quadrangles

ERIOGONUM TRUNCATUM
MT. DIABLO BUCKWHEAT
Element Code: PDPGN08520

-----List Status-----	NDDB Element Ranks-----	Other Lists-----
Federal: None	Global: GH	CNPS List: 1A
State: None	State: SH	R-E-D Code: *

-----Habitat Associations-----
General: CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND. HISTORICALLY KNOWN FROM ALA, CCA, AND SOL COUNTIES.
Micro: DRY, EXPOSED CLAY OR SANDY SUBSTRATES. 100-600M.

Occurrence No. 6	Map Index:10961	-----Dates Last Seen-----	Lat/Long: 37°38'25" / 121°35'42"	Township: 03S
Occ Rank: Unknown		Element: 1940-12-01	UTM: Zone-10 N4166627 E623969	Range: 03E
Origin: Natural/Native occurrence		Site: 1940-12-01	Precision: NON-SPECIFIC	Section: 25 Qtr SE
Presence: Presumed Extant			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 1 mile	Elevation: 880 ft
Main Source: HOOVER, R. #4704 DS, UC (HERB)				
Quad Summary: MIDWAY (3712165/445A)				
County Summary: ALAMEDA				
SNA Summary:				
Location: HEAD OF CORRAL HOLLOW.				
-----Comments-----				
Distribution:				
Ecological: FOUND ON BARREN CLAY SPOTS.				
Threat:				
General:				
Owner/Manager: PVT				

Occurrence No. 7	Map Index:10942	-----Dates Last Seen-----	Lat/Long: 37°38'57" / 121°36'35"	Township: 03S
Occ Rank: None		Element: 1940-12-01	UTM: Zone-10 N4167594 E622648	Range: 03E
Origin: Natural/Native occurrence		Site: 1987-03-XX	Precision: NON-SPECIFIC	Section: 26 Qtr NE
Presence: Possibly Extirpated			Symbol Type: POINT	Meridian: M
Trend: Unknown			Radius: 1 mile	Elevation: 1600 ft
Main Source: HOOVER, R. #4702 DS (HERB)				
Quad Summary: MIDWAY (3712165/445A)*, ALTAMONT (3712166/445B)				
County Summary: ALAMEDA				
SNA Summary:				
Location: NEAR SUMMIT ON ROAD FROM LIVERMORE TO CORRAL HOLLOW.				
-----Comments-----				
Distribution:				
Ecological: ONLY ERIOGONUM ARGULOSUM FOUND.				
Threat: CLAY MINING HAS OCCURRED.				
General: D. TAYLOR HAS VISITED AREA AND SOME HABITAT STILL REMAINS. NO PLANTS WERE FOUND.				
Owner/Manager: PVT				