FINAL Environmental Assessment

One-Year Recapture of San Joaquin River Restoration Flows at Patterson Irrigation District and/or Banta-Carbona Irrigation District

Attachment A – California Natural Diversity Database Query – October 13, 2015







Query Criteria: Quad is (Brush Lake (3712151) or Crows Landing (3712141) or Patterson (3712142) or Westley (3712152))

| Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
|--|--------------|----------------|--------------|-------------|------------|--------------------------------------|
| alkali milk-vetch | PDFAB0F8R1 | None | None | G2T2 | S2 | 1B.2 |
| Astragalus tener var. tener | | | | | | |
| American badger | AMAJF04010 | None | None | G5 | S3 | SSC |
| Taxidea taxus | | | | | | |
| big tarplant | PDAST1C011 | None | None | G2 | S2 | 1B.1 |
| Blepharizonia plumosa | | | | | | |
| burrowing owl | ABNSB10010 | None | None | G4 | S3 | SSC |
| Athene cunicularia | | | | | | |
| cackling (=Aleutian Canada) goose Branta hutchinsii leucopareia | ABNJB05035 | Delisted | None | G5T3 | S2 | |
| California horned lark | ABPAT02011 | None | None | G5T3Q | S3 | WL |
| Eremophila alpestris actia | | | | | | |
| California tiger salamander | AAAAA01180 | Threatened | Threatened | G2G3 | S2S3 | SSC |
| Ambystoma californiense | | | | | | |
| Coastal and Valley Freshwater Marsh | CTT52410CA | None | None | G3 | S2.1 | |
| Coastal and Valley Freshwater Marsh | | | | | | |
| Crotch bumble bee | IIHYM24480 | None | None | G3G4 | S1S2 | |
| Bombus crotchii | | | | | | |
| Delta button-celery | PDAPI0Z0S0 | None | Endangered | G1Q | S1 | 1B.1 |
| Eryngium racemosum | | | | | | |
| diamond-petaled California poppy | PDPAP0A0D0 | None | None | G1 | S1 | 1B.1 |
| Eschscholzia rhombipetala | | | | | | |
| great blue heron | ABNGA04010 | None | None | G5 | S4 | |
| Ardea herodias | | | | | | |
| Great Valley Valley Oak Riparian Forest Great Valley Valley Oak Riparian Forest | CTT61430CA | None | None | G1 | S1.1 | |
| heartscale | PDCHE040B0 | None | None | G3T2 | S2 | 1B.2 |
| Atriplex cordulata var. cordulata | | | | | | |
| hoary bat | AMACC05030 | None | None | G5 | S4 | |
| Lasiurus cinereus | | | | | | |
| least Bell's vireo | ABPBW01114 | Endangered | Endangered | G5T2 | S2 | |
| Vireo bellii pusillus | | | | | | |
| Lemmon's jewelflower | PDBRA0M0E0 | None | None | G3 | S3 | 1B.2 |
| Caulanthus lemmonii | | | | | | |
| lesser saltscale | PDCHE042M0 | None | None | G2 | S2 | 1B.1 |
| Atriplex minuscula | | | | | | |
| loggerhead shrike | ABPBR01030 | None | None | G4 | S4 | SSC |
| Lanius Iudovicianus | | | | | | |
| Menke's cuckoo wasp Ceratochrysis menkei | IIHYM71050 | None | None | G1 | S1 | |



Selected Elements by Common Name California Department of Fish and Wildlife California Natural Diversity Database



| Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
|-------------------------------------|--------------|----------------|--------------|-------------|-------------|--------------------------------------|
| moestan blister beetle | IICOL4C020 | None | None | G2 | S2 | |
| Lytta moesta | | | | | | |
| obscure bumble bee | IIHYM24380 | None | None | G4? | S1S2 | |
| Bombus caliginosus | | | | | | |
| prairie falcon | ABNKD06090 | None | None | G5 | S4 | WL |
| Falco mexicanus | | | | | | |
| prairie wedge grass | PMPOA5T030 | None | None | G5 | S2 | 2B.2 |
| Sphenopholis obtusata | | | | | | |
| riparian brush rabbit | AMAEB01021 | Endangered | Endangered | G5T1 | S1 | |
| Sylvilagus bachmani riparius | | | | | | |
| round-leaved filaree | PDGER01070 | None | None | G3? | S3? | 1B.2 |
| California macrophylla | | | | | | |
| Sacramento splittail | AFCJB34020 | None | None | GNR | S3 | SSC |
| Pogonichthys macrolepidotus | | | | | | |
| San Joaquin kit fox | AMAJA03041 | Endangered | Threatened | G4T2 | S2 | |
| Vulpes macrotis mutica | | | | | | |
| San Joaquin whipsnake | ARADB21021 | None | None | G5T2T3 | S2? | SSC |
| Masticophis flagellum ruddocki | | | | | | |
| snowy egret | ABNGA06030 | None | None | G5 | S4 | |
| Egretta thula | | | | | | |
| song sparrow ("Modesto" population) | ABPBXA3010 | None | None | G5 | S3? | SSC |
| Melospiza melodia | | | | | | |
| steelhead - Central Valley DPS | AFCHA0209K | Threatened | None | G5T2Q | S2 | |
| Oncorhynchus mykiss irideus | | | | | | |
| Swainson's hawk | ABNKC19070 | None | Threatened | G5 | S3 | |
| Buteo swainsoni | | | | | | |
| tricolored blackbird | ABPBXB0020 | None | None | G2G3 | S1S2 | SSC |
| Agelaius tricolor | | | | | | |
| valley elderberry longhorn beetle | IICOL48011 | Threatened | None | G3T2 | S2 | |
| Desmocerus californicus dimorphus | | | | | | |
| vernal pool fairy shrimp | ICBRA03030 | Threatened | None | G3 | S3 | |
| Branchinecta lynchi | | | | | | |
| vernal pool smallscale | PDCHE042P0 | None | None | G2 | S2 | 1B.2 |
| Atriplex persistens | | | | | | |
| western spadefoot | AAABF02020 | None | None | G3 | S3 | SSC |
| Spea hammondii | | | | | | |
| | | | | | Bocord Cour | 4. 20 |

Record Count: 38



California Department of Fish and Wildlife

California Natural Diversity Database

Quad is (Brush Lake (3712151) or Crows Landing (3712141) or Patterson (3712142) or Westley (3712152)) Query Criteria:

| Map Index Numbe Key Quad: Occurrence Numb | ١ | 20949 Westley (3712 119 | 2152) | EO Index: Element Code: Occurrence Last U | pdated: | 17606 AAAAA01180 2008-11-25 |
|---|----------|-------------------------------|--|---|------------|---|
| Scientific Name: | Amb | ystoma califo | rniense | Common Name: | California | tiger salamander |
| Listing Status: | | Federal: | Threatened | Rare Plant Rank: | | |
| 5 | | State: | Threatened | Other Lists: | CDFW_SS | C-Species of Special Concern |
| CNDDB Element F | Ranks: | Global: | G2G3 | | | Vulnerable |
| | | State: | S2S3 | | | |
| General Habitat: | | | | Micro Habitat: | | |
| - | - | | ISTED AS THREATENED. SANT S FEDERALLY LISTED AS | | NAL POOLS | GES, ESPECIALLY GROUND SQUIRREL S OR OTHER SEASONAL WATER |
| Last Date Observe | ed: 19 | 992-02-19 | | Occurrence Type: | Natural/N | ative occurrence |
| Last Survey Date: | 19 | 992-02-19 | | Occurrence Rank: | Unknown | |
| Owner/Manager: | U | NKNOWN | | Trend: | Unknown | |
| Presence: | Р | resumed Exta | ant | | | |
| Location: | | | | | | |
| ALONG PARADISI | E ROAD | , IN THE VIC | INITY OF ITS JUNCTION WITH (| CALIFORNIA AVENUE AND | HUNTING | TON ROAD, 8 MILES WNW OF MODESTO |
| Detailed Location | : | | | | | |
| SPECIMENS IN 19 CALIFORNIA AVE | | | | N RD X PARADISE RD; TH | IE 1990 AN | D 1992 SPECIMENS WERE FOUND ALON |
| Ecological: | | | | | | |
| HABITAT CONSIS | TS OF \ | ERNAL POC | DLS. | | | |
| Threats: | | | | | | |
| THREATENED BY | DEVEL | OPMENT AN | D AGRICULTURAL PRACTICES | | | |
| | | | 1990. 5 LARVAE COLLECTED (M ERMITTENT RAIN, 19:15-20:30 F | | | 3 APR 1991. SHAFFER SITE 136, 1991. : 85 MM-SVL, 10 MM-SVL). |
| PLSS: T03S, R0 | 7E, Sec. | 36 (M) | Accuracy: | 2/5 mile | | Area (acres): 0 |
| UTM: Zone-10 N | V416567 | ′5 E662880 | Latitude/Longitude: | 37.62378 / -121.15429 | | Elevation (feet): 40 |
| County Summary | : | | Quad Summary: | | | |
| Stanislaus | | | Westley (3712152), R | ipon (3712162) | | |
| Sources: | | | | | | |
| | | | MY OF SCIENCES - 1990-2000 (AMBYSTOMA CALIFORNIENSE | | DINGS (INC | LUDES STANFORD UNIVERSITY |
| FOR92M0001 | FORD, T | MAP DET | AILING AMPHIBIAN LOCALITY II | NFO IN STANISLAUS COU | NTY. 1992- | 03-29 |
| | | | FORNIA ACADEMY OF SCIENCI TO 10 MARCH 1993. 1993-XX-X | | ION REPO | RT FOR SPECIMENS COLLECTED FROM |



California Department of Fish and Wildlife



| Map Index Number: | 42144 | | EO Index: | | 42144 |
|---|-----------------|--|----------------------------|-----------|--|
| Key Quad: | Copper Mtn. (| 3712143) | Element Code: | | AAABF02020 |
| Occurrence Number: | 170 | | Occurrence Last U | pdated: | 2000-01-12 |
| Scientific Name: S | pea hammondii | | Common Name: | western s | spadefoot |
| _isting Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G3 | | | SC-Species of Special Concern F-Near Threatened |
| | State: | S3 | | _ | |
| General Habitat: | | | Micro Habitat: | | |
| OCCURS PRIMARILY I ALLEY-FOOTHILL HA | | HABITATS, BUT CAN BE FOUND I DDLANDS. | N VERNAL POOLS AF | RE ESSEN | ITIAL FOR BREEDING AND EGG-LAYIN |
| _ast Date Observed: | 1994-05-10 | | Occurrence Type: | Natural/I | Native occurrence |
| ast Survey Date: | 1994-05-10 | | Occurrence Rank: | Good | |
| Owner/Manager: | PVT | | Trend: | Unknow | n |
| Presence: | Presumed Exta | ant | | | |
| _ocation: | | | | | |
| SALADO CREEK, ON T | HE WEST SIDE | OF OAK FLAT ROAD, 7 MILES SW | OF PATTERSON. | | |
| Detailed Location: | | | | | |
| ADPOLES OBSERVE | D IN SEVERAL F | POOLS IN SALADO CREEK AND AI | DJACENT STOCKPOND | S IN OAK | FLAT VALLEY. |
| Ecological: | | | | | |
| HABITAT CONSISTS O NOODLAND. | F AN EPHEMEF | AL CREEK RUNNING THROUGH | A MIXTURE OF NATIVE | AND NON | -NATIVE GRASSLAND, SCRUB, AND |
| Threats: | | | | | |
| THREATENED BY PRC | POSED DEVEL | OPMENT (RESIDENTIAL AND A GO | OLF COURSE). | | |
| General: | | | | | |
| + ADULTS AND 100+ | JUVENILES OB | SERVED ON 10 MAY 1994. | | | |
| PLSS: T06S, R07E, S | ec. 19 (M) | Accuracy: | nonspecific area | | Area (acres): 297 |
| JTM: Zone-10 N4140 | | - | , 37.39810 / -121.25822 | | Elevation (feet): 1,100 |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Patterson (3712142), Co | pper Mtn. (3712143) | | |
| Sources: | | | | | |
| | | | | | |
| MUT94F0012 MUTH | H, D. (LSA ASSC | CIATES, INC.) - FIELD SURVEY FO | JRIVI FUR SPEA (=SCAF | | HAMMUNDII 1994-05-10 |



California Department of Fish and Wildlife



| Map Index Number: | 42146 | | EO Index: | 42146 | i | |
|--|---------------|--|------------------------|--------------------------------|-------------------------|----------|
| Key Quad: | Patterson (37 | 12142) | Element Code: | AAAB | F02020 | |
| Occurrence Number: | 175 | | Occurrence Last U | pdated: 2000- | 01-12 | |
| Scientific Name: S | pea hammondii | | Common Name: | western spadefor | ot | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Sensitive | | |
| CNDDB Element Rank | s: Global: | G3 | | CDFW_SSC-Spe IUCN_NT-Near T | cies of Special Concerr | ר |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| OCCURS PRIMARILY I VALLEY-FOOTHILL HA | | HABITATS, BUT CAN BE FOUND DDLANDS. | D IN VERNAL POOLS A | RE ESSENTIAL FO | OR BREEDING AND EC | GG-LAYIN |
| Last Date Observed: | 1994-05-13 | | Occurrence Type: | Natural/Native o | ccurrence | |
| Last Survey Date: | 1994-05-13 | | Occurrence Rank: | Good | | |
| Owner/Manager: | PVT | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| NORTH SIDE OF SALA | DO CREEK, JU | ST EAST OF OAK FLAT VALLEY, | 6 MILES SW OF PATTER | SON. | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| HABITAT CONSISTS O | F A STOCKPON | ND, SURROUNDED BY A MIXTUR | RE OF NATIVE AND NON-I | NATIVE GRASSLA | ND, SCRUB, AND WO | ODLAND. |
| Threats: | | | | | | |
| | ROPOSED ROA | D IMPROVEMENT PROJECT. | | | | |
| General: | | | | | | |
| 10+ JUVENILES OBSE | RVED ON 13 M | AY 1994. | | | | |
| PLSS: T06S, R07E, S | Sec. 07 (M) | Accuracy: | 1/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N414 | 3980 E656258 | Latitude/Longitude: | 37.42947 / -121.23390 | | Elevation (feet): | 1,100 |
| County Summary: | | Quad Summary: | | | | |
| 0: ; j | | Patterson (3712142) | | | | |
| Stanislaus | | , | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 42148 | | EO Index: | | 42148 | |
|--|----------------|--|-----------------------|------------|--|----------|
| Key Quad: | Patterson (37 | 12142) | Element Code: | | AAABF02020 | |
| Occurrence Number: | 176 | | Occurrence Last U | pdated: | 2000-01-12 | |
| Scientific Name: S | pea hammondii | | Common Name: | western sp | padefoot | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Se | | |
| CNDDB Element Ranks | s: Global: | G3 | | | SC-Species of Special Concerr Near Threatened | 1 |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| OCCURS PRIMARILY I VALLEY-FOOTHILL HA | | HABITATS, BUT CAN BE FOUNE DDLANDS. | D IN VERNAL POOLS AF | RE ESSENT | TIAL FOR BREEDING AND EC | G-LAYING |
| Last Date Observed: | 1994-05-15 | | Occurrence Type: | Natural/N | ative occurrence | |
| Last Survey Date: | 1994-05-15 | | Occurrence Rank: | Good | | |
| Owner/Manager: | PVT | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| SALADO CREEK, ABO | JT 1.5 MILES W | /EST OF 1-5, 4.5 MILES SW OF P | ATTERSON. | | | |
| Detailed Location: | | | | | | |
| TADPOLES FOUND IN | A POOL, AT TH | E WEST END OF A CHERRY OR | CHARD. | | | |
| Ecological: | | | | | | |
| | F NON-NATIVE | GRASSLAND, WITH NUMEROUS | S NATURAL AND ARTIFIC | IALLY-CRE | ATED VERNAL POOLS. | |
| Threats: | | | | | | |
| | ROPOSED ROA | D IMPROVEMENT PROJECT. | | | | |
| | | NX 1004 | | | | |
| 10+ TADPOLES OBSER | | | | | . | |
| | ec. 15 (M) | Accuracy: | nonspecific area | | Area (acres): | 61 |
| PLSS: T06S, R07E, S | | | 37.41712 / -121.18424 | | Elevation (feet): | 200 |
| | 2694 E660679 | Latitude/Longitude: | | | () | 200 |
| PLSS: T06S, R07E, S | 2694 E660679 | Quad Summary: | | | 、 <i>,</i> | 200 |



California Department of Fish and Wildlife



| Map Index Number: | 17132 | | EO Index: | | 12065 |
|--|---|--|--|------------|---|
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | | ABNGA04010 |
| Occurrence Number: | 35 | | Occurrence Last Up | odated: | 1992-02-19 |
| Scientific Name: A | rdea herodias | | Common Name: | great blue | e heron |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | CDF_S-S | |
| CNDDB Element Ranks | s: Global: | G5 | | IUCN_LC | -Least Concern |
| | State: | S4 | | | |
| General Habitat: | | | Micro Habitat: | | |
| COLONIAL NESTER IN SPOTS ON MARSHES. | | CLIFFSIDES, AND SEQUESTERED | | | PROXIMITY TO FORAGING AREAS: TIDE-FLATS, RIVERS AND STREAMS, W |
| Last Date Observed: | 1989-05-16 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 1989-05-16 | | Occurrence Rank: | Good | |
| Owner/Manager: | CITY OF MOD | ESTO | Trend: | Stable | |
| Presence: | Presumed Exta | int | | | |
| Location: | | | | | |
| EAST SIDE OF THE SA | N JOAQUIN RIV | /ER, JUST WEST OF THE CITY OF | F MODESTO SEWAGE DI | SPOSAL | PONDS, APPROX 8 MI SW OF MODESTO |
| | | | | | |
| Detailed Location: | | | | REES | |
| 16 ADULTS AND 4 JUV | ENILES OBSER | RVED NESTING IN TWO BLUE OAK | K (QUERCUS LOBATA) TI | NEEO. | |
| 16 ADULTS AND 4 JUV Ecological: | | | | | |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV | IAL FLOODPLAI | N CONTAINING A RIPARIAN BOT | | | BY QUERCUS LOBATA AND POPULUS |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S | IAL FLOODPLAI | N CONTAINING A RIPARIAN BOT | | | BY QUERCUS LOBATA AND POPULUS |
| Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A SA Threats: | IAL FLOODPLAI ALIX UNDERST | IN CONTAINING A RIPARIAN BOT ORY. | TOMLAND FOREST DOM | IINATED E | BY QUERCUS LOBATA AND POPULUS |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S. Threats: AREA IS CLOSED TO F CLEARING). | IAL FLOODPLAI ALIX UNDERST | IN CONTAINING A RIPARIAN BOT ORY. | TOMLAND FOREST DOM | IINATED E | |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S Threats: AREA IS CLOSED TO F CLEARING). General: | IAL FLOODPLAI ALIX UNDERST PUBLIC ACCESS | IN CONTAINING A RIPARIAN BOT ORY. S BY LAND. POSSIBLE THREAT FI | TOMLAND FOREST DOM | IINATED E | |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S. Threats: AREA IS CLOSED TO F CLEARING). General: SNOWY EGRETS ALSO | IAL FLOODPLAI ALIX UNDERSTO PUBLIC ACCESS O NEST AT THIS | IN CONTAINING A RIPARIAN BOT ORY. S BY LAND. POSSIBLE THREAT FI S LOCATION. | TOMLAND FOREST DOM | IINATED E | |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S Threats: AREA IS CLOSED TO F CLEARING). General: SNOWY EGRETS ALSO PLSS: T05S, R08E, S | IAL FLOODPLAI ALIX UNDERST PUBLIC ACCESS D NEST AT THIS Sec. 05 (M) | IN CONTAINING A RIPARIAN BOT ORY. S BY LAND. POSSIBLE THREAT FI S LOCATION. Accuracy: | TOMLAND FOREST DOM | IINATED E | L IMPROVEMENTS (SNAGGING & |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S Threats: AREA IS CLOSED TO F CLEARING). General: SNOWY EGRETS ALSO PLSS: T05S, R08E, S | IAL FLOODPLAI ALIX UNDERST PUBLIC ACCESS D NEST AT THIS Sec. 05 (M) | IN CONTAINING A RIPARIAN BOT ORY. S BY LAND. POSSIBLE THREAT FI S LOCATION. Accuracy: | TOMLAND FOREST DOM ROM A PROPOSAL FOR 1/5 mile | IINATED E | L IMPROVEMENTS (SNAGGING & Area (acres): 0 |
| 16 ADULTS AND 4 JUV Ecological: HABITAT IS AN ALLUV FREMONTII, WITH A S. Threats: AREA IS CLOSED TO F CLEARING). General: SNOWY EGRETS ALSO PLSS: T05S, R08E, S UTM: Zone-10 N4155 | IAL FLOODPLAI ALIX UNDERST PUBLIC ACCESS D NEST AT THIS Sec. 05 (M) | IN CONTAINING A RIPARIAN BOT ORY. S BY LAND. POSSIBLE THREAT FI S LOCATION. Accuracy: Latitude/Longitude: | TOMLAND FOREST DOM ROM A PROPOSAL FOR 1/5 mile | IINATED E | L IMPROVEMENTS (SNAGGING & Area (acres): 0 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 17132 | | EO Index: | | 12066 | |
|---|---|--|--|-----------|--|---------------------|
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | | ABNGA06030 | |
| Occurrence Number: | 2 | | Occurrence Last Up | odated: | 1992-02-19 | |
| Scientific Name: E | gretta thula | | Common Name: | snowy eg | ıret | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | IUCN_LC | C-Least Concern | |
| CNDDB Element Ranks | : Global: | G5 | | | | |
| | State: | S4 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| COLONIAL NESTER, W OF DENSE TULES. | ITH NEST SITE | S SITUATED IN PROTECTED BEI | | | CLOSE TO FORAGING AREA ET MEADOWS, AND BORDER | |
| Last Date Observed: | 1989-05-16 | | Occurrence Type: | Natural/I | Native occurrence | |
| | | | Occurrence Rank: | Good | | |
| Last Survey Date: | 1989-05-16 | | e e e a la contra la | | | |
| - | 1989-05-16 CITY OF MODE | ESTO | Trend: | Stable | | |
| Last Survey Date: Owner/Manager: Presence: | | | | Stable | | |
| Owner/Manager: Presence: | CITY OF MODE | | | Stable | | |
| Owner/Manager: Presence: Location: | CITY OF MODE Presumed Exta | | Trend: | | PONDS, APPROX 8 MI SW OF | MODEST |
| Owner/Manager: Presence: Location: | CITY OF MODE Presumed Exta | nt | Trend: | | PONDS, APPROX 8 MI SW OF | - MODESTO |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVE | CITY OF MODE Presumed Exta N JOAQUIN RIV | nt | Trend: F MODESTO SEWAGE DI | | PONDS, APPROX 8 MI SW OF | - MODESTO |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVED Ecological: | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA | Trend: F MODESTO SEWAGE DI ATA) TREES. | SPOSAL | | |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVER Ecological: HABITAT IS AN ALLUVE | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAI | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT | Trend: F MODESTO SEWAGE DI ATA) TREES. | SPOSAL | | |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVED Ecological: | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAI | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT | Trend: F MODESTO SEWAGE DI ATA) TREES. | SPOSAL | | |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVER Ecological: HABITAT IS AN ALLUVE FREMONTII, WITH A SA | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAII ALIX UNDERSTO | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT | Trend: F MODESTO SEWAGE DI ATA) TREES. TOMLAND FOREST DOM | SPOSAL I | BY QUERCUS LOBATA AND F | POPULUS |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVER Ecological: HABITAT IS AN ALLUVI FREMONTII, WITH A S/ Threats: ARE IS CLOSED TO PL | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAII ALIX UNDERSTO | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT DRY. | Trend: F MODESTO SEWAGE DI ATA) TREES. TOMLAND FOREST DOM | SPOSAL I | BY QUERCUS LOBATA AND F | POPULUS |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVER Ecological: HABITAT IS AN ALLUVE FREMONTII, WITH A SA Threats: ARE IS CLOSED TO PU CLEARING). | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAI ALIX UNDERSTO | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT DRY. Y LAND. POSSIBLE THREAT FRO | Trend: F MODESTO SEWAGE DI ATA) TREES. TOMLAND FOREST DOM | SPOSAL I | BY QUERCUS LOBATA AND F | POPULUS |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVED Ecological: HABITAT IS AN ALLUVI FREMONTII, WITH A S/ Threats: ARE IS CLOSED TO PL CLEARING). General: | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAI ALIX UNDERSTO | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT DRY. Y LAND. POSSIBLE THREAT FRO | Trend: F MODESTO SEWAGE DI ATA) TREES. TOMLAND FOREST DOM | SPOSAL I | BY QUERCUS LOBATA AND F | POPULUS |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVED Ecological: HABITAT IS AN ALLUVE FREMONTII, WITH A SA Threats: ARE IS CLOSED TO PL CLEARING). General: GREAT BLUE HERONS PLSS: T05S, R08E, S | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAI ALIX UNDERSTO IBLIC ENTRY BY ALSO NEST AT ec. 05 (M) | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT DRY. Y LAND. POSSIBLE THREAT FRO | Trend: F MODESTO SEWAGE DI ATA) TREES. TOMLAND FOREST DOM DM A PROPOSAL FOR CH | SPOSAL I | BY QUERCUS LOBATA AND F IPROVEMENTS (SNAGGING | Populus And |
| Owner/Manager: Presence: Location: EAST SIDE OF THE SA Detailed Location: 30 ADULTS OBSERVED Ecological: HABITAT IS AN ALLUVI FREMONTII, WITH A S/ Threats: ARE IS CLOSED TO PL CLEARING). General: GREAT BLUE HERONS PLSS: T05S, R08E, S | CITY OF MODE Presumed Exta N JOAQUIN RIV D NESTING IN T AL FLOODPLAI ALIX UNDERSTO IBLIC ENTRY BY ALSO NEST AT ec. 05 (M) | nt ER, JUST WEST OF THE CITY OI WO BLUE OAK (QUERCUS LOBA N CONTAINING A RIPARIAN BOT DRY. Y LAND. POSSIBLE THREAT FRO THIS LOCATION. Accuracy: | Trend: F MODESTO SEWAGE DI ATA) TREES. TOMLAND FOREST DOM DM A PROPOSAL FOR CH | SPOSAL I | BY QUERCUS LOBATA AND F MPROVEMENTS (SNAGGING Area (acres): | POPULUS AND 0 |

HOU89F0001 HOUGHTON, P. - FIELD SURVEY FORM FOR EGRETTA THULA (ROOKERY SITE) 1989-05-16



California Department of Fish and Wildlife



| | 11850 | | EO Index: | | 27363 | |
|---|---|---|--|------------|--|-----------|
| Key Quad: | Westley (3712 | 152) | Element Code: | | ABNJB05035 | |
| Occurrence Number: | 7 | | Occurrence Last Up | dated: | 2010-05-06 | |
| Scientific Name: | Branta hutchinsii l | eucopareia | Common Name: | cackling (| =Aleutian Canada) goose | |
| Listing Status: | Federal: | Delisted | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | | |
| CNDDB Element Rank | s: Global: | G5T3 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| WINTERS ON LAKES | AND INLAND PR | AIRIES. | FORAGES ON NATU LOAFS ON LAKES, F | | STURE OR THAT CULTIVATED DIRS, PONDS. |) TO GRAI |
| Last Date Observed: | 1979-01-04 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1979-01-04 | | Occurrence Rank: | Unknowr | n | |
| Owner/Manager: | USFWS-SAN J | OAQUIN RIVER NWR | Trend: | Unknowr | n | |
| Presence: | Presumed Exta | nt | | | | |
| Location: | | | | | | |
| FORMER HAGGEMAN | I PROPERTY IM | MEDIATELY W OF THE JUNCTIC | ON OF TUOLUMNE & SAN J | OAQUIN | RIVERS. SAN JOAQUIN NWR. | |
| | | | | | | |
| Detailed Location: | | | | | | |
| Detailed Location: Ecological: | | | | | | |
| Ecological: | RT OF THIS ARE | EA WAS REVEGETATED WITH N | NATIVE RIPARIAN PLANTS. | | | |
| Ecological: STARTING IN 2002 PA | RT OF THIS ARE | EA WAS REVEGETATED WITH N | IATIVE RIPARIAN PLANTS. | | | |
| Ecological: STARTING IN 2002 PA Threats: | RT OF THIS ARI | EA WAS REVEGETATED WITH N | NATIVE RIPARIAN PLANTS. | | | |
| Ecological: | | | JATIVE RIPARIAN PLANTS. | | | |
| Ecological: STARTING IN 2002 PA Threats: General: | ARVESTED COR | | VATIVE RIPARIAN PLANTS. 2/5 mile | | Area (acres): | 0 |
| Ecological: STARTING IN 2002 PA Threats: General: BIRDS FEEDING IN HA PLSS: T04S, R07E, S | ARVESTED COR | NFIELD 4 JAN 1979. | | | Area (acres): Elevation (feet): | 0 30 |
| Ecological: STARTING IN 2002 PA Threats: General: BIRDS FEEDING IN HA PLSS: T04S, R07E, S | ARVESTED COR Sec. 10 (M) | NFIELD 4 JAN 1979. Accuracy: | 2/5 mile | | | - |
| Ecological: STARTING IN 2002 PA Threats: General: BIRDS FEEDING IN HA PLSS: T04S, R07E, S UTM: Zone-10 N416 | ARVESTED COR Sec. 10 (M) | NFIELD 4 JAN 1979. Accuracy: Latitude/Longitude: | 2/5 mile | | | - |
| Ecological: STARTING IN 2002 PA Threats: General: BIRDS FEEDING IN HA PLSS: T04S, R07E, S UTM: Zone-10 N416 County Summary: Stanislaus | ARVESTED COR Sec. 10 (M) | NFIELD 4 JAN 1979. Accuracy: Latitude/Longitude: Quad Summary: | 2/5 mile | | | - |
| Ecological: STARTING IN 2002 PA Threats: General: BIRDS FEEDING IN H/ PLSS: T04S, R07E, S UTM: Zone-10 N416 County Summary: Stanislaus Sources: FWS06R0001 U.S. | ARVESTED COR Sec. 10 (M) 53901 E660830 FISH & WILDLIFI | NFIELD 4 JAN 1979. Accuracy: Latitude/Longitude: Quad Summary: | 2/5 mile 37.60815 / -121.17789 ER NATIONAL WILDLIFE RI | | Elevation (feet): | 30 |



California Department of Fish and Wildlife



| Map Index Num | ber: | 11892 | | | EO Index: | 27360 | | |
|---------------------------------|----------|-------------------|-------------------------------------|---------------|--|--|------------------|---------------|
| Key Quad: | | Westley (3712 | :152) | | Element Code: | ABNJB0503 | 5 | |
| Occurrence Nu | mber: | 8 | | | Occurrence Last U | odated: 2007-01-19 | | |
| Scientific Name | e: Bra | anta hutchinsii l | eucopareia | | Common Name: | cackling (=Aleutian Can | ada) goose | |
| Listing Status: | | Federal: | Delisted | | Rare Plant Rank: | | | |
| | | State: | None | | Other Lists: | | | |
| CNDDB Elemen | t Ranks: | Global: | G5T3 | | | | | |
| | | State: | S2 | | | | | |
| General Habitat | : | | | | Micro Habitat: | | | |
| WINTERS ON L | AKES AN | ID INLAND PR | AIRIES. | | | JRAL PASTURE OR TH RESERVOIRS, PONDS. | | TO GRAIN; |
| Last Date Obse | rved: | 1987-02-20 | | | Occurrence Type: | Natural/Native occurre | nce | |
| Last Survey Dat | te: | 1987-02-20 | | | Occurrence Rank: | Unknown | | |
| Owner/Manager | r: | PVT | | | Trend: | Unknown | | |
| Presence: | | Presumed Exta | int | | | | | |
| Location: | | | | | | | | |
| BOGETTI RANC | H/DENIZ | DAIRY, ABOU | JT 1.1 MI SE OF J | UNCTION OF TU | OLUMNE AND SAN JOA | QUIN RIVERS. | | |
| Detailed Location | on: | | | | | | | |
| BIRDS FEEDING MID-DEC 1986 1 | | | NFIELD; ROOSTE | ED ON MODESTO | D SEWER OXIDATION PO | ONDS JAN 1979. PRIMA | RY FEEDING AF | REA FROM |
| Ecological: | | | | | | | | |
| Threats: | | | | | | | | |
| General: | | | | | | | | |
| | | | | | 4. MAJOR USE AREA 12- 350 GEESE ON 16 DEC 1 | | | JSE AREA 5 |
| PLSS: T04S, F | R07E, Se | c. 12 (M) | Accura | acy: | 3/5 mile | A | rea (acres): | 0 |
| UTM: Zone-10 | 0 N41626 | 57 E662659 | Latitud | le/Longitude: | 37.59663 / -121.15745 | E | levation (feet): | 35 |
| County Summa | ry: | | Quad | Summary: | | | | |
| Stanislaus | | | Westle | y (3712152) | | | | |
| Sources: | | | | | | | | |
| GRE87R0001 | | | - POPULATION, I 1985-86. 1987-XX | | ND ECOLOGY OF ALEU | TIAN CANADA GEESE | ON THEIR MIGR | ATION AND |
| GRE88R0002 | | | - POPULATION, I 1986-87. 1988-XX | | ND ECOLOGY OF ALEU | TIAN CANADA GEESE | ON THEIR MIGR | ATION AND |
| HOF86R0001 | | | L POPULATION 1984-85. 1986-XX | | I, AND ECOLOGY OF ALI | EUTIAN CANADA GEES | E ON THEIR MIC | GRATION AND |
| YPA79R0001 | | | R DISTRIBUTIO TMENT OF FISH / | | ND MORTALITY OF ALE -XX-XX | UTIAN CANADA GEESE | IN CALIFORNIA | x, 1977-1978, |
| | | | | | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Man Index Number | 67830 | | EO Index: | 67978 | |
|--------------------------------|-------------------|---|----------------------------|---|---------|
| Map Index Number: Key Quad: | Westley (371 | 2152) | EO Index: Element Code: | 67978 ABNJB05035 | |
| Occurrence Number: | • • | 2152) | Occurrence Last U | | |
| | . 10 | | Occurrence Last O | pualed. 2007-01-18 | |
| Scientific Name: | Branta hutchinsii | leucopareia | Common Name: | cackling (=Aleutian Canada) goose | |
| Listing Status: | Federal: | Delisted | Rare Plant Rank: | | |
| | State: | None | Other Lists: | | |
| CNDDB Element Ran | ks: Global: | G5T3 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| WINTERS ON LAKES | S AND INLAND PF | RAIRIES. | | URAL PASTURE OR THAT CULTIVATED T RESERVOIRS, PONDS. | O GRAII |
| Last Date Observed: | 1987-02-20 | | Occurrence Type: | Natural/Native occurrence | |
| Last Survey Date: | 1987-02-20 | | Occurrence Rank: | Unknown | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | |
| Presence: | Presumed Ext | ant | | | |
| Location: | | | | | |
| ISLAND DAIRY, NE C | F GRAYSON. | | | | |
| Detailed Location: | | | | | |
| BIRDS FEEDING IN C | CORNFIELD. | | | | |
| Ecological: | | | | | |
| Threats: | | | | | |
| 1987. | | | | IMARY FEEDING AREA MID-DEC 1986 TC | |
| PLSS: T04S, R07E, | | Accuracy: | nonspecific area | | 575 |
| UTM: Zone-10 N41 | 60048 E662183 | Latitude/Longitude: | 37.57321 / -121.16342 | Elevation (feet): | 30 |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Westley (3712152) | | | |
| Sources: | | | | | |
| | | POPULATION, DISTRIBUTION , 1985-86. 1987-XX-XX | N, AND ECOLOGY OF ALEU | ITIAN CANADA GEESE ON THEIR MIGRA | FION AN |
| | | POPULATION, DISTRIBUTION , 1986-87. 1988-XX-XX | N, AND ECOLOGY OF ALEU | ITIAN CANADA GEESE ON THEIR MIGRA | FION AN |
| | | AL POPULATION, DISTRIBUTI | ON, AND ECOLOGY OF AL | EUTIAN CANADA GEESE ON THEIR MIGF | ATION / |

WINTERING AREAS, 1984-85. 1986-XX-XX



California Department of Fish and Wildlife



| VERSIT | | | | | | |
|--|---|--|---|----------------------|--|---------------------------------|
| Map Index Number: | 67831 | | EO Index: | | 67979 | |
| Key Quad: | Brush Lake (371215 | 1) | Element Code: | | ABNJB05035 | |
| Occurrence Number: | 17 | | Occurrence Last Up | odated: | 2007-01-18 | |
| Scientific Name: E | Branta hutchinsii leucopa | areia | Common Name: | cackling (= | -Aleutian Canada) goose | |
| Listing Status: | Federal: Deli | sted | Rare Plant Rank: | | | |
| | State: Non | e | Other Lists: | | | |
| CNDDB Element Rank | s: Global: G5T | 3 | | | | |
| | State: S2 | | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| WINTERS ON LAKES | AND INLAND PRAIRIES | 5. | FORAGES ON NATI LOAFS ON LAKES, | | TURE OR THAT CULTIVATED IRS, PONDS. | D TO GRAIN; |
| Last Date Observed: | 1986-01-22 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: | 1986-01-22 | | Occurrence Rank: | Unknown | I | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | I | |
| Presence: | December of Extend | | | | | |
| resence. | Presumed Extant | | | | | |
| | Presumed Extant | | | | | |
| Location: | | | | | | |
| Location: MODESTO OXIDATION | | | | | | |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE | N PONDS. | O OXIDATION PONDS NIC | GHT ROOST AREA. PRIMAI | RY ROOST | SITE FOR WINTERS OF 198 | 35-1986 & 19 |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. | N PONDS. | O OXIDATION PONDS NIC | GHT ROOST AREA. PRIMAI | RY ROOST | SITE FOR WINTERS OF 198 | 35-1986 & 19 |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: | N PONDS. | O OXIDATION PONDS NIG | GHT ROOST AREA. PRIMAI | RY ROOST | SITE FOR WINTERS OF 198 | 35-1986 & 198 |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE 1987. Ecological: Threats: | N PONDS. | O OXIDATION PONDS NIC | GHT ROOST AREA. PRIMAI | RY ROOST | SITE FOR WINTERS OF 198 | 35-1986 & 198 |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR | N PONDS. D JUST S OF MODEST 20M 27 DEC 1984 THR | OUGH 1ST WEEK OF JAN | | VED 5 DE | C 1985. ROOST SITE NOV 19 | |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE | N PONDS. D JUST S OF MODEST ROM 27 DEC 1984 THR C TO 22 JAN 1986. BIF | OUGH 1ST WEEK OF JAN | I 1985. 1850 BIRDS OBSER | VED 5 DE | C 1985. ROOST SITE NOV 19 | |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE PLSS: T05S, R08E, S | N PONDS. D JUST S OF MODEST ROM 27 DEC 1984 THR C TO 22 JAN 1986. BIF | OUGH 1ST WEEK OF JAN RDS HAZED FROM POND | I 1985. 1850 BIRDS OBSER DUE TO AVIAN CHOLERA | VED 5 DE | C 1985. ROOST SITE NOV 19 K FROM 23 JAN 1986. | 985 TO 14 JA |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE PLSS: T05S, R08E, S | N PONDS. D JUST S OF MODEST ROM 27 DEC 1984 THR C TO 22 JAN 1986. BIF Sec. 04 (M) | OUGH 1ST WEEK OF JAN RDS HAZED FROM POND Accuracy: | l 1985. 1850 BIRDS OBSER DUE TO AVIAN CHOLERA 1 mile | VED 5 DE | C 1985. ROOST SITE NOV 19 K FROM 23 JAN 1986. Area (acres): | 985 TO 14 JA |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE PLSS: T05S, R08E, S UTM: Zone-10 N415 | N PONDS. D JUST S OF MODEST ROM 27 DEC 1984 THR C TO 22 JAN 1986. BIF Sec. 04 (M) | OUGH 1ST WEEK OF JAN RDS HAZED FROM POND Accuracy: Latitude/Longitude: | I 1985. 1850 BIRDS OBSER DUE TO AVIAN CHOLERA 1 mile 37.52924 / -121.09113 | VED 5 DE | C 1985. ROOST SITE NOV 19 K FROM 23 JAN 1986. Area (acres): | 985 TO 14 JA |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE PLSS: T05S, R08E, S UTM: Zone-10 N415 County Summary: Stanislaus | N PONDS. D JUST S OF MODEST ROM 27 DEC 1984 THR C TO 22 JAN 1986. BIF Sec. 04 (M) | OUGH 1ST WEEK OF JAN RDS HAZED FROM POND Accuracy: Latitude/Longitude: Quad Summary: | I 1985. 1850 BIRDS OBSER DUE TO AVIAN CHOLERA 1 mile 37.52924 / -121.09113 | VED 5 DE | C 1985. ROOST SITE NOV 19 K FROM 23 JAN 1986. Area (acres): | 985 TO 14 JA |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE PLSS: T05S, R08E, S UTM: Zone-10 N415 County Summary: Stanislaus Sources: GRE87R0001 GRE | N PONDS. D JUST S OF MODEST COM 27 DEC 1984 THR C TO 22 JAN 1986. BIF Sec. 04 (M) 5297 E668667 | OUGH 1ST WEEK OF JAN RDS HAZED FROM POND Accuracy: Latitude/Longitude: Quad Summary: Brush Lake (3712151) | 1 1985. 1850 BIRDS OBSER DUE TO AVIAN CHOLERA 1 mile 37.52924 / -121.09113 | VED 5 DE OUTBREA | C 1985. ROOST SITE NOV 19 K FROM 23 JAN 1986. Area (acres): | 085 TO 14 JA 0 |
| Location: MODESTO OXIDATION Detailed Location: 1984-1985: BIRDS FEE -1987. Ecological: Threats: General: BIRDS OBSERVED FR 1986. ROOST SITE DE PLSS: T05S, R08E, S UTM: Zone-10 N415 County Summary: Stanislaus Sources: GRE87R0001 GRE WINT GRE88R0002 GRE | N PONDS. D JUST S OF MODEST COM 27 DEC 1984 THR C TO 22 JAN 1986. BIF Sec. 04 (M) 5297 E668667 GG, M.A. ET AL POP FERING AREAS, 1985-4 | OUGH 1ST WEEK OF JAN RDS HAZED FROM POND Accuracy: Latitude/Longitude: Quad Summary: Brush Lake (3712151) ULATION, DISTRIBUTION 36. 1987-XX-XX ULATION, DISTRIBUTION | I 1985. 1850 BIRDS OBSER DUE TO AVIAN CHOLERA 1 mile 37.52924 / -121.09113 | VED 5 DE(OUTBREA | C 1985. ROOST SITE NOV 19 K FROM 23 JAN 1986. Area (acres): Elevation (feet): | 085 TO 14 JA 0 RATION AND |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 67832 | | EO Index: | 67980 |
|--------------------|------------------|---|----------------------------|--|
| Key Quad: | Brush Lake | (3712151) | Element Code: | ABNJB05035 |
| Occurrence Numbe | r: 18 | | Occurrence Last Up | odated: 2007-01-18 |
| Scientific Name: | Branta hutchinsi | i leucopareia | Common Name: | cackling (=Aleutian Canada) goose |
| Listing Status: | Federal: | Delisted | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Ra | nks: Global: | G5T3 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| WINTERS ON LAKE | S AND INLAND P | RAIRIES. | | JRAL PASTURE OR THAT CULTIVATED TO GRAIN RESERVOIRS, PONDS. |
| Last Date Observed | l: 1987-XX-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1987-XX-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Ex | tant | | |
| Location: | | | | |
| N OF MODESTO O | IDATION PONDS | , NEAR INTERSECTION OF KEY | YES AND LAIRD RD. | |
| Detailed Location: | | | | |
| 1984-1985: PRINCIF | AL FEEDING AR | EA. 1986-1987: CORN FIELDS W | VERE SECONDARY FEEDING | GAREAS. |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| 3000+ BIRDS OBSE | RVED 19 JAN TO | 3 FEB 1985. MAJOR USE AREA | AS FROM 5 DEC 1985 TO 6 J/ | AN 1986. BIRDS OBSERVED WINTER OF 1986-198 |
| PLSS: T04S, R08E | , Sec. 28 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4 | 159021 E667584 | Latitude/Longitude | : 37.56298 / -121.10253 | Elevation (feet): |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Brush Lake (371215 | 1) | |
| Sources: | | | | |
| | | POPULATION, DISTRIBUTIO S, 1985-86. 1987-XX-XX | N, AND ECOLOGY OF ALEU | TIAN CANADA GEESE ON THEIR MIGRATION AND |
| | | POPULATION, DISTRIBUTIO 5, 1986-87. 1988-XX-XX | N, AND ECOLOGY OF ALEU | TIAN CANADA GEESE ON THEIR MIGRATION AND |
| | | AL POPULATION, DISTRIBUT | TION, AND ECOLOGY OF ALE | EUTIAN CANADA GEESE ON THEIR MIGRATION A |

WINTERING AREAS, 1984-85. 1986-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 67839 | | EO Index: | 67987 |
|---------------------|----------------------|--|--------------------------|---|
| Key Quad: | Crows Landing | g (3712141) | Element Code: | ABNJB05035 |
| Occurrence Number: | 19 | | Occurrence Last U | pdated: 2007-04-19 |
| Scientific Name: E | Branta hutchinsii le | eucopareia | Common Name: | cackling (=Aleutian Canada) goose |
| Listing Status: | Federal: | Delisted | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Rank | s: Global: | G5T3 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| WINTERS ON LAKES / | and Inland Pr | AIRIES. | | URAL PASTURE OR THAT CULTIVATED TO GE RESERVOIRS, PONDS. |
| Last Date Observed: | 1986-02-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1986-02-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | nt | | |
| Location: | | | | |
| ABOUT 4 MI E OF PAT | TERSON AT THE | E INTERSECTION OF PARADISE | E AND POMELO RDS. | |
| Detailed Location: | | | | |
| FEEDING ON HARVES | TED CORN FIEL | .D. | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| 900 & 2000 BIRDS OB | SERVED ON 10 8 | & 13 FEB, 1070 BIRDS ON 1 MAP | R 1985. 1000 BIRDS OBSEI | RVED FROM 7 JAN TO MID-FEB 1986. |
| PLSS: T05S, R08E, S | Sec. 26 (M) | Accuracy: | nonspecific area | Area (acres): 513 |
| UTM: Zone-10 N414 | 8482 E671907 | Latitude/Longitude: | 37.46724 / -121.05607 | Elevation (feet): 50 |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Crows Landing (37121 | 41) | |
| Sources: | | | | |
| | | - POPULATION, DISTRIBUTION, 1985-86. 1987-XX-XX | AND ECOLOGY OF ALEU | JTIAN CANADA GEESE ON THEIR MIGRATION |
| | | L POPULATION, DISTRIBUTIC 1984-85. 1986-XX-XX | N, AND ECOLOGY OF AL | EUTIAN CANADA GEESE ON THEIR MIGRATIC |



California Department of Fish and Wildlife



| Map Index Num | ber: | 12146 | | EO Index: | | 27246 | |
|--|--|--|---|--|--|--|------------------|
| Key Quad: | | Crows Landing | g (3712141) | Element Code: | Element Code: ABN | | |
| Occurrence Nur | mber: | 48 | | Occurrence Last U | pdated: | 2013-08-09 | |
| Scientific Name | e: Bute | eo swainsoni | | Common Name: | Swainsor | n's hawk | |
| Listing Status: | | Federal: | None | Rare Plant Rank: | | | |
| | | State: | Threatened | Other Lists: | BLM_S-S | | |
| CNDDB Elemen | t Ranks: | Global: | G5 | | IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concerr | | rn |
| | | State: | S3 | | _ | | |
| General Habitat | : | | | Micro Habitat: | | | |
| | AN AREAS | S, SAVANNAH | ITERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | | ABLE FORAGING AREAS SUCH / OR GRAIN FIELDS SUPPORTING | - |
| Last Date Obser | rved: 1 | 988-XX-XX | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Dat | te: 1 | 988-XX-XX | | Occurrence Rank: | Unknow | n | |
| Owner/Manager | r: P | VT | | Trend: | Unknow | n | |
| | | | | | | | |
| Location: SAN JOAQUIN F Detailed Locatio | RIVER, RM on: | | | CONFLUENCE & W OF HO | OGIN RD A | T AUGUST RD, NE OF CROWS L | ANDING |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: | RIVER, RM on: DRIES ST(TAT SUR | /109.3(L), JUS 001 & ST015. ROUNDED BY | ST S OF THE ORESTIMBA CRK (| | | | ANDING |
| Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: 1 SWAINSON'S | RIVER, RM on: DRIES STO TAT SUR HAWK OB | 1109.3(L), JU 001 & ST015. ROUNDED B 3SERVED IN | ST S OF THE ORESTIMBA CRK (Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE | | | ST IN 1988. | |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: 1 SWAINSON'S PLSS: T06S, F | RIVER, RM on: DRIES ST(TAT SUR HAWK OE R09E, Sec | 1109.3(L), JU 001 & ST015. ROUNDED B 3SERVED IN | ST S OF THE ORESTIMBA CRK (| ENILES WERE OBSERVED | | ST IN 1988. Area (acres): 0 | |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: 1 SWAINSON'S PLSS: T06S, F UTM: Zone-10 | RIVER, RM on: DRIES ST(TAT SUR HAWK OF R09E, Sec 0 N41433 | 1109.3(L), JUS 001 & ST015. ROUNDED B 3SERVED IN . 08 (M) | ST S OF THE ORESTIMBA CRK (Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE Accuracy: | ENILES WERE OBSERVED 2/5 mile | | ST IN 1988. Area (acres): 0 | 1 |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: 1 SWAINSON'S PLSS: T06S, F | RIVER, RM on: DRIES ST(TAT SUR HAWK OF R09E, Sec 0 N41433 | 1109.3(L), JUS 001 & ST015. ROUNDED B 3SERVED IN . 08 (M) | ST S OF THE ORESTIMBA CRK (Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE Accuracy: Latitude/Longitude: | ENILES WERE OBSERVED 2/5 mile 37.42033 / -121.00145 | | ST IN 1988. Area (acres): 0 | 1 |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: 1 SWAINSON'S PLSS: T06S, F UTM: Zone-10 County Summar Stanislaus | RIVER, RM on: DRIES ST(TAT SUR HAWK OF R09E, Sec 0 N41433 | 1109.3(L), JUS 001 & ST015. ROUNDED B 3SERVED IN . 08 (M) | ST S OF THE ORESTIMBA CRK O Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE Accuracy: Latitude/Longitude: Quad Summary: | ENILES WERE OBSERVED 2/5 mile 37.42033 / -121.00145 | | ST IN 1988. Area (acres): 0 | 1 |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI' Threats: General: 1 SWAINSON'S PLSS: T06S, F UTM: Zone-10 County Summa Stanislaus Sources: | RIVER, RM on: DRIES STO TAT SUR HAWK OF R09E, Sec 0 N41433 ry: CALIFO | 1109.3(L), JU3 2001 & ST015. ROUNDED BY 3SERVED IN . 08 (M) 77 E676848 RNIA DEPAR | ST S OF THE ORESTIMBA CRK of Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE Accuracy: Latitude/Longitude: Quad Summary: Hatch (3712048), Crov | ENILES WERE OBSERVED 2/5 mile 37.42033 / -121.00145 vs Landing (3712141) | D AT A NE | ST IN 1988. Area (acres): 0 | 5 |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI' Threats: General: 1 SWAINSON'S PLSS: T06S, F UTM: Zone-10 County Summa Stanislaus Sources: DFG84U0003 | RIVER, RM on: DRIES STO TAT SURI HAWK OF R09E, Sec 0 N41433 ry: CALIFO SECTIO | M109.3(L), JU3 001 & ST015. ROUNDED BN 3SERVED IN . 08 (M) 77 E676848 RNIA DEPAR N (WILDLIFE | ST S OF THE ORESTIMBA CRK (Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE Accuracy: Latitude/Longitude: Quad Summary: Hatch (3712048), Crov TMENT OF FISH & GAME - SWA BRANCH); MISSING. 1984-10-X) | ENILES WERE OBSERVED 2/5 mile 37.42033 / -121.00145 vs Landing (3712141) INSON'S HAWK NEST REG | O AT A NE | ST IN 1988. Area (acres): 0 Elevation (feet): 5 | 5 AMMALS |
| Location: SAN JOAQUIN F Detailed Locatio CDFW TERRITC Ecological: RIPARIAN HABI Threats: General: 1 SWAINSON'S PLSS: T06S, F UTM: Zone-10 County Summa | RIVER, RM on: DRIES STO TAT SUR HAWK OF R09E, Sec 0 N41433 ry: CALIFO SECTIO DFG - W | A109.3(L), JU 2001 & ST015. ROUNDED BY 3SERVED IN . 08 (M) 77 E676848 RNIA DEPAR N (WILDLIFE N (WILDLIFE MAN | ST S OF THE ORESTIMBA CRK (Y CROPLAND. 1979. 2 ADULTS AND TWO JUVE Accuracy: Latitude/Longitude: Quad Summary: Hatch (3712048), Crov TMENT OF FISH & GAME - SWA BRANCH); MISSING. 1984-10-X) | ENILES WERE OBSERVED 2/5 mile 37.42033 / -121.00145 vs Landing (3712141) INSON'S HAWK NEST REG SWAINSON'S HAWK NE | O AT A NES | ST IN 1988. Area (acres): 0 Elevation (feet): 5 ROM DFG NONGAME BIRDS & M RDS THROUGH 1992. 1992-08-24 | o 5 AMMALS |



California Department of Fish and Wildlife



| Map Index Number: | 22891 | | EO Index: | | 7831 | |
|--|----------------|--|-----------------------------------|-----------|--|-----|
| Key Quad: | Crows Landing | g (3712141) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 479 | | Occurrence Last U | pdated: | 1993-03-30 | |
| Scientific Name: Ba | uteo swainsoni | | Common Name: | Swainson | 's hawk | |
| _isting Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | |
| NDDB Element Ranks | s: Global: | G5 | | | C-Least Concern BCC-Birds of Conservation Concern | |
| | State: | S3 | | _ | | |
| General Habitat: | | | Micro Habitat: | | | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RC | DEN |
| ast Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/N | Native occurrence | |
| ast Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknow | n | |
|)wner/Manager: | PVT | | Trend: | Unknow | n | |
| resence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| AN JOAQUIN RIVER, | RM-98.6(L), NO | RTH OF LAS PALMAS ROAD, EA | ST OF PATTERSON. | | | |
| etailed Location: | | | | | | |
| cological: | | | | | | |
| | NSISTS OF RIP | ARIAN SURROUNDED BY CROP | PLAND. | | | |
| | | | | | | |
| hreats: | | | | | | |
| Threats: General: | | | | | | |
| Threats: General: DFG SWHA #ST011. IN | , | ULTS WERE OBSERVED NESTIN | | | | |
| 'hreats: General: DFG SWHA #ST011. IN PLSS: T05S, R08E, S | ec. 15 (M) | Accuracy: | 1/5 mile | | Area (acres): 0 | |
| hreats: Seneral: DFG SWHA #ST011. IN PLSS: T05S, R08E, S | ec. 15 (M) | | | | Area (acres): 0 Elevation (feet): 35 | |
| Threats: General: DFG SWHA #ST011. IN PLSS: T05S, R08E, S JTM: Zone-10 N4151 | ec. 15 (M) | Accuracy: | 1/5 mile | | · · · · | |
| T hreats: General: DFG SWHA #ST011. IN PLSS: T05S, R08E, S | ec. 15 (M) | Accuracy: Latitude/Longitude: | 1/5 mile 37.49563 / -121.08105 | | · · · · | |



California Department of Fish and Wildlife



| Map Index Number: | 22892 | | EO Index: | 7832 |
|--|---|---|---|---|
| Key Quad: | Crows Landin | g (3712141) | Element Code: | ABNKC19070 |
| Occurrence Number: | currence Number: 480 | | Occurrence Last U | Jpdated: 1993-03-30 |
| Scientific Name: Bu | uteo swainsoni | | Common Name: | Swainson's hawk |
| isting Status: | Federal: | None | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | BLM_S-Sensitive |
| NDDB Element Ranks | s: Global: | G5 | | IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | ENT SUITABLE FORAGING AREAS SUCH AS ALFALFA OR GRAIN FIELDS SUPPORTING RODEN |
| ast Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/Native occurrence |
| ast Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknown |
|)wner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| | | | | |
| | | | | |
| ocation: | RM-105(L), 0.5 I | MILE NORTH OF RIVER RD WHE | RE IT TURNS WEST FRO | DM THE RIVER, 5 MILES ESE OF PATTERSON. |
| ocation: AN JOAQUIN RIVER, | RM-105(L), 0.5 I | MILE NORTH OF RIVER RD WHE | RE IT TURNS WEST FRO | OM THE RIVER, 5 MILES ESE OF PATTERSON. |
| ocation: SAN JOAQUIN RIVER, Detailed Location: Scological: | | | | OM THE RIVER, 5 MILES ESE OF PATTERSON. |
| ocation: GAN JOAQUIN RIVER, Detailed Location: Scological: IESTING HABITAT CO | | MILE NORTH OF RIVER RD WHE | | DM THE RIVER, 5 MILES ESE OF PATTERSON. |
| Cocation: SAN JOAQUIN RIVER, I Detailed Location: Scological: NESTING HABITAT CO Threats: | | | | OM THE RIVER, 5 MILES ESE OF PATTERSON. |
| Location: SAN JOAQUIN RIVER, J Detailed Location: Ecological: NESTING HABITAT CO Threats: General: | NSISTS OF RIP | ARIAN SURROUNDED BY CROF | PLAND. | OM THE RIVER, 5 MILES ESE OF PATTERSON. |
| Cocation: SAN JOAQUIN RIVER, I Detailed Location: Scological: NESTING HABITAT CO Threats: General: DFG SWHA #ST014. TV | NSISTS OF RIP | ARIAN SURROUNDED BY CROF | PLAND. ING. | |
| Cocation: SAN JOAQUIN RIVER, I Detailed Location: Ecological: NESTING HABITAT CO Threats: General: DFG SWHA #ST014. TV PLSS: T06S, R08E, S | NSISTS OF RIP NO ADULTS OB ec. 01 (M) | ARIAN SURROUNDED BY CROF SERVED NESTING AND FORAG Accuracy: | PLAND. ING. 1/5 mile | Area (acres): 0 |
| ocation: SAN JOAQUIN RIVER, I Detailed Location: Scological: IESTING HABITAT CO Phreats: General: DFG SWHA #ST014. TV PLSS: T06S, R08E, S | NSISTS OF RIP NO ADULTS OB ec. 01 (M) | ARIAN SURROUNDED BY CROF | PLAND. ING. | |
| Cocation: SAN JOAQUIN RIVER, I Detailed Location: Cological: IESTING HABITAT CO Threats: DFG SWHA #ST014. TV PLSS: T06S, R08E, S JTM: Zone-10 N4145 County Summary: | NSISTS OF RIP NO ADULTS OB ec. 01 (M) | ARIAN SURROUNDED BY CROF SERVED NESTING AND FORAG Accuracy: Latitude/Longitude: Quad Summary: | PLAND. ING. 1/5 mile 37.44154 / -121.03437 | Area (acres): 0 |
| Cocation: SAN JOAQUIN RIVER, I Detailed Location: Ecological: NESTING HABITAT CO Threats: General: DFG SWHA #ST014. TV PLSS: T06S, R08E, S | NSISTS OF RIP NO ADULTS OB ec. 01 (M) | PARIAN SURROUNDED BY CROP DISERVED NESTING AND FORAG Accuracy: Latitude/Longitude: | PLAND. ING. 1/5 mile 37.44154 / -121.03437 | Area (acres): 0 |



California Department of Fish and Wildlife



| Map Index Number: | 22890 | | EO Index: | | 7830 |
|---|--|---|--|-----------|---|
| Key Quad: | Crows Landin | g (3712141) | 41) Element Code: | | ABNKC19070 |
| ccurrence Number: 481 | | | Occurrence Last U | pdated: | 1999-08-04 |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainson | 's hawk |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | Threatened | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G5 | | | -Least Concern BCC-Birds of Conservation Concern |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODEN |
| ast Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/N | Native occurrence |
| ast Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknowi | n |
| Owner/Manager: | PVT | | Trend: | Unknowi | n |
| Presence: | Presumed Exta | ant | | | |
| reserve. | | | | | |
| | | | | | |
| ocation: | JOAQUIN RIVE | R AT RM-102.5, ALONG AN UNN | AMED SLOUGH NORTH C | F APRICO | T ROAD, 3 MILES EAST OF PATTERSON. |
| .ocation: MILE WEST OF SAN | JOAQUIN RIVEI | R AT RM-102.5, ALONG AN UNN | AMED SLOUGH NORTH C | OF APRICO | T ROAD, 3 MILES EAST OF PATTERSON. |
| ocation: MILE WEST OF SAN Detailed Location: Ecological: | | | | OF APRICO | T ROAD, 3 MILES EAST OF PATTERSON. |
| ocation: MILE WEST OF SAN Detailed Location: Scological: NESTING HABITAT CO | | R AT RM-102.5, ALONG AN UNN, YARIAN SURROUNDED BY CROF | | OF APRICO | T ROAD, 3 MILES EAST OF PATTERSON. |
| .ocation: MILE WEST OF SAN Detailed Location: Ecological: NESTING HABITAT CO Threats: | | | | OF APRICO | T ROAD, 3 MILES EAST OF PATTERSON. |
| Location: MILE WEST OF SAN Detailed Location: Ecological: NESTING HABITAT CO Threats: General: | INSISTS OF RIP | ARIAN SURROUNDED BY CROP | PLANDS. | DF APRICO | T ROAD, 3 MILES EAST OF PATTERSON. |
| Cocation: MILE WEST OF SAN Detailed Location: Ecological: NESTING HABITAT CO Threats: General: DFG SWHA #ST013. T | NSISTS OF RIP WO ADULTS OE | PARIAN SURROUNDED BY CROP | PLANDS. HING. | OF APRICO | |
| Location: I MILE WEST OF SAN Detailed Location: Ecological: NESTING HABITAT CO Inreats: General: DFG SWHA #ST013. TV PLSS: T05S, R08E, S | NSISTS OF RIP WO ADULTS OE Sec. 35 (M) | ARIAN SURROUNDED BY CROP SERVED NESTING AND FORAG Accuracy: | PLANDS. ING. 1/5 mile | OF APRICO | Area (acres): 0 |
| Accation: MILE WEST OF SAN Detailed Location: Ecological: MESTING HABITAT CO Threats: General: DFG SWHA #ST013. TV PLSS: T05S, R08E, S | NSISTS OF RIP WO ADULTS OE Sec. 35 (M) | PARIAN SURROUNDED BY CROP | PLANDS. HING. | OF APRICO | |
| ocation: MILE WEST OF SAN Detailed Location: Ecological: IESTING HABITAT CO Threats: General: DFG SWHA #ST013. TN PLSS: T05S, R08E, S JTM: Zone-10 N414 County Summary: | NSISTS OF RIP WO ADULTS OE Sec. 35 (M) | ARIAN SURROUNDED BY CROP SERVED NESTING AND FORAG Accuracy: Latitude/Longitude: Quad Summary: | PLANDS. ING. 1/5 mile 37.46168 / -121.06397 | OF APRICO | Area (acres): 0 |
| Location: MILE WEST OF SAN Detailed Location: Ecological: NESTING HABITAT CO Threats: General: DFG SWHA #ST013. TN PLSS: T05S, R08E, S | NSISTS OF RIP WO ADULTS OE Sec. 35 (M) | PARIAN SURROUNDED BY CROP DISERVED NESTING AND FORAG Accuracy: Latitude/Longitude: | PLANDS. ING. 1/5 mile 37.46168 / -121.06397 | OF APRICO | Area (acres) : 0 |



California Department of Fish and Wildlife



| Map Index Number: | 22894 | | EO Index: | | 7813 | |
|---|-----------------------------|---|--|-----------|---|---------|
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | rence Number: 482 | | Occurrence Last U | pdated: | 1993-03-30 | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainson' | s hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-Se | | |
| NDDB Element Rank | s: Global: | G5 | | | Least Concern BCC-Birds of Conservation Conc | cern |
| | State: | S3 | | _ | | |
| General Habitat: | | | Micro Habitat: | | | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | | BLE FORAGING AREAS SUCH OR GRAIN FIELDS SUPPORTI | - |
| ast Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/N | lative occurrence | |
| ast Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknown | I | |
|)wner/Manager: | PVT | | Trend: | Unknown | I | |
| resence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| AN JOAQUIN RIVER, | RM-93.2(R), OF | F LOQUAT ROAD, 7 MILES SW (| OF MODESTO. | | | |
| etailed Location: | | | | | | |
| | | | | | | |
| cological: | | | | | | |
| IESTING HABITAT CO | NSISTS OF RIP | ARIAN SURROUNDED BY CROP | | | | |
| IESTING HABITAT CO Threats: | NSISTS OF RIP | ARIAN SURROUNDED BY CROP | | | | |
| IESTING HABITAT CO Threats: General: | | | | | | |
| NESTING HABITAT CO Threats: General: | | SERVED NESTING AND FORAG | | | | |
| NESTING HABITAT CO Threats: General: DFG SWHA #ST008. T\ | NO ADULTS OB | | | | Area (acres): | 0 |
| IESTING HABITAT CO Ihreats: General: DFG SWHA #ST008. TV PLSS: T04S, R08E, S | NO ADULTS OB Sec. 32 (M) | SERVED NESTING AND FORAG | ing. | | Area (acres): Elevation (feet): | 0 40 |
| NESTING HABITAT CO Threats: General: DFG SWHA #ST008. TV PLSS: T04S, R08E, S JTM: Zone-10 N4156 | NO ADULTS OB Sec. 32 (M) | SERVED NESTING AND FORAG | iING. 1/5 mile | | · · · · | - |
| PLSS: T04S, R08E, S | NO ADULTS OB Sec. 32 (M) | SERVED NESTING AND FORAG Accuracy: Latitude/Longitude: | iING. 1/5 mile 37.53771 / -121.11425 | | · · · · | - |
| NESTING HABITAT CO Threats: General: DFG SWHA #ST008. TN PLSS: T04S, R08E, S JTM: Zone-10 N4156 County Summary: | NO ADULTS OB Sec. 32 (M) | SERVED NESTING AND FORAG Accuracy: Latitude/Longitude: Quad Summary: | iING. 1/5 mile 37.53771 / -121.11425 | | · · · · | - |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 22895 | | EO Index: | 7812 |
|---|-----------------------------|--|-------------------|---|
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | ABNKC19070 |
| Occurrence Number: | 483 | | Occurrence Last U | pdated: 1993-03-30 |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainson's hawk |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks | s: Global: | G5 | | IUCN_LC-Least Concern USFWS BCC-Birds of Conservation Concern |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| | AS, SAVANNAH | ITERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | ENT SUITABLE FORAGING AREAS SUCH AS ALFALFA OR GRAIN FIELDS SUPPORTING RODEI |
| Last Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| SAN JOAQUIN RIVER, | RM-93.8(L), 7 M | ILES SW OF MODESTO. | | |
| | | | | |
| Detailed Location: | | | | |
| | | | | |
| Ecological: | NSISTS OF RIP | ARIAN. | | |
| Ecological: NESTING HABITAT CO | NSISTS OF RIP | ARIAN. | | |
| Ecological: NESTING HABITAT CO Threats: | NSISTS OF RIP | ARIAN. | | |
| Ecological: NESTING HABITAT CO Threats: General: | | ARIAN. SERVED NESTING AND FORAG | ING. | |
| Ecological: NESTING HABITAT CO Threats: General: DFG SWHA #ST009. TV | WO ADULTS OB | | ING. 1/5 mile | Area (acres): 0 |
| Ecological: NESTING HABITAT CO Threats: General: DFG SWHA #ST009. TV PLSS: T05S, R08E, S | NO ADULTS OB Sec. 05 (M) | SERVED NESTING AND FORAG | - | Area (acres): 0 Elevation (feet): 35 |
| PLSS: T05S, R08E, S | NO ADULTS OB Sec. 05 (M) | SERVED NESTING AND FORAG | 1/5 mile | |

EST88F0034 ESTEP, J. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 1988-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 41427 | | EO Index: | 4 | 11427 | |
|--|-----------------|---|------------------------------------|----------------------------------|---|-------------|
| Key Quad: | Crows Landin | g (3712141) | Element Code: ABN | | ABNKC19070 | |
| Occurrence Number: | 740 | | Occurrence Last U | Occurrence Last Updated: 1999-08 | | |
| Scientific Name: B | Buteo swainsoni | | Common Name: | Swainson's | hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-Sensitive | | |
| CNDDB Element Rank | s: Global: | G5 | | | east Concern CC-Birds of Conservation Con | cern |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | AS, SAVANNAH | ITERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANCH IREES. | | | LE FORAGING AREAS SUCI R GRAIN FIELDS SUPPORTI | - |
| ast Date Observed: | 1999-05-11 | | Occurrence Type: | Natural/Na | tive occurrence | |
| ast Survey Date: | 1999-05-11 | | Occurrence Rank: | Excellent | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| .5 MILE ENE OF THE | INTERSECTION | OF ELM AVENUE AND ALMOND | AVENUE, 3 MILES EAST | OF PATTER | SON. | |
| etailed Location: | | | | | | |
| cological: | | | | | | |
| | | ALONG AN IRRIGATION CANAL A | ADJACENT TO A RIPARIA | N CORRIDO | R; SURROUNDED BY OPEN | I FIELDS OF |
| | | | | | | |
| GRICULTURE (WHEA | AT, ALFALFA, BL | ACK MUSTARD). | | | | |
| AGRICULTURE (WHEA | AT, ALFALFA, BL | ACK MUSTARD). | | | | |
| AGRICULTURE (WHEA Ihreats: General: | | | | | | |
| AGRICULTURE (WHEA Threats: General: 2 ADULTS OBSERVED | NESTING/FOR | AGING ON 11 MAY 1999. | 80 meters | | Area (acres): | 0 |
| AGRICULTURE (WHEA T hreats: Seneral: 2 ADULTS OBSERVED PLSS: T05S, R08E, S | NESTING/FOR | | 80 meters 37.47197 / -121.07439 | | Area (acres): Elevation (feet): | 0 55 |
| AGRICULTURE (WHEA Threats: General: 2 ADULTS OBSERVED PLSS: T05S, R08E, S JTM: Zone-10 N414 | NESTING/FOR | AGING ON 11 MAY 1999. Accuracy: Latitude/Longitude: | | | Area (acres): Elevation (feet): | - |
| AGRICULTURE (WHEA Threats: General: 2 ADULTS OBSERVED PLSS: T05S, R08E, S | NESTING/FOR | AGING ON 11 MAY 1999. Accuracy: | 37.47197 / -121.07439 | | | - |



California Department of Fish and Wildlife

California Natural Diversity Database



| Key Quad: Westley (3712152) Element Code: ABNKC19070 Occurrence Number: 2497 Occurrence Last Updated: 2013-09-03 Scientific Name: Buteo swainson/ Common Name: Swainson's hawk Listing Status: Federal: None Rare Plant Rank: UCN_LC-Least Concern Othor Lists: Btd | Map Index Number: | 90222 | | EO Index: | | 91235 | |
|---|--|---|---|-----------------------------------|-------------------------------------|-------------------------|--|
| Scientific Name: Buteo swainsoni Common Name: Swainson's hawk Listing Status: Federal: None Rare Plant Rank: State: Threatened Other Lists: BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern State: S3 Seneral Habitat: Micro Habitat: REEEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE TLATS, RIPARINA AREAS, SAVANNAHS, AS AGRICULTURAL OR RANCH ANDS WITH GROVES OR LINES OF TREES. Micro Habitat: CANDS WITH GROVES OR LINES OF TREES. Occurrence Type: Natural/Native occurrence GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. Last Date Observed: 1988-XX-XX Occurrence Type: Natural/Native occurrence GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. Last Date Observed: 1988-XX-XX Occurrence Type: Natural/Native occurrence GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. Last Date Observed: 1988-XX-XX Occurrence Rank: Unknown Downer/Manager: PVT Trend: Unknown Presence: Presumed Extant Occurrence Rank: Unknown Lational Control Freeding of the Tube of the Stand of | Key Quad: | Westley (3712152) | | Element Code: | | ABNKC19070 | |
| Listing Status: Federal: None Rare Plant Rank: State: State:: Threatened Other Lists:: BLM_S-Sensitive CNDDB Element Ranks: Global: G5 USFWS_BCC-Birds of Conservation Concern State: S3 Sameral Habitat: Micro Habitat: BLM_S-Sensitive REEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE ANDS WITH GROVES OR LINES OF TREES. Occurrence Type: Natural/Native occurrence ANDS WITH GROVES OR LINES OF TREES. Occurrence Type: Natural/Native occurrence ast Date Observed: 1988-XX-XX Occurrence Type: Natural/Native occurrence ADS WITH GROVES OR LINES OF TREES. Occurrence Rank: Unknown POPULATIONS. 1988-XX-XX Occurrence Rank: Unknown State: 1988-XX-XX Occurrence WITH Trend: Unknown Presence: Piesumed Extant Unknown Interest Unknown State: State: State: State: State: Statiator Describer of FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE: Stacotion: State: <td< th=""><th>Occurrence Number:</th><th>2497</th><th></th><th>Occurrence Last U</th><th colspan="3">Occurrence Last Updated: 2013-09-03</th></td<> | Occurrence Number: | 2497 | | Occurrence Last U | Occurrence Last Updated: 2013-09-03 | | |
| State::::::::::::::::::::::::::::::::::: | Scientific Name: Bu | uteo swainsoni | | Common Name: | Swainsor | n's hawk | |
| CNDDB Element Ranks: Global: G5 UGN_LC-Least Concern State: S3 Seneral Habitat: Micro Habitat: SREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. SANDS WITH GROVES OR LINES OF TREES. Occurrence Type: Natural/Native occurrence Sast Date Observed: 1988-XX-XX Occurrence Type: Natural/Native occurrence Sast Date Observed: 1988-XX-XX Occurrence Rank: Unknown Owner/Manager: PVT Trend: Unknown Presumed Extant Unknown Trend: Unknown Satotion: ALONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Secondation: ALONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Secondation: Secondation: ALONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Secondation: ALONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Secondation: Secondation: FERRITORY STOOR CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. Secondation:< | isting Status: | Federal: | None | Rare Plant Rank: | | | |
| NDDB Element Ranks: Global: G5 USFWS_BCC-Birds of Conservation Concern State: S3 Beneral Habitat: Micro Habitat: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. ALTS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH AND GROVES OR LINES OF TREES. REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. ast Date Observed: 1988-XX-XX Occurrence Type: Natural/Native occurrence ast Date Observed: 1988-XX-XX Occurrence Rank: Unknown wner/Manager: PVT Trend: Unknown tressence: Presumed Extant Occurrence WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Vetailed Location: ERRITORY ST007 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. Erritoria (Cological) IERSTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. Horeats: Site (Cological) 4rea (acres): 0 YES: T04S, RO7E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 TTM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 /-121.16788 Elevation (feet): 35 Sounty Summary: Quad Summary: Y | | State: | Threatened | Other Lists: | | | |
| State: S3 General Habitat: Micro Habitat: REEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE LATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH ANDS WITH GROVES OR LINES OF TREES. REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING ONE POPULATIONS. ANDS WITH GROVES OR LINES OF TREES. Occurrence Type: Natural/Native occurrence aast Date Observed: 1988-XX-XX Occurrence Rank: Unknown Ander Struct PT Trend: Unknown Owner/Manager: PVT Trend: Unknown Presumed Extant: Occurrence Rank: Unknown Verserveit Structure Goodition: Environment Extant: Structure Structure Structure Structure Storogical: Environment Extant: Structure Structure Structure Structure Structure Storogical: Environment Extant: Structure Structure Structure Area (acres): 0 Storogical: Structure Structure Structure Structure Structure Structure Structure Structure Storogical: Structure Structure | NDDB Element Ranks | : Global: | G5 | | | | |
| REEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE LATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH ANDS WITH GROVES OR LINES OF TREES. REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODE POPULATIONS. aast Date Observed: 1988-XX-XX Occurrence Type: Natural/Native occurrence aast Survey Date: 1988-XX-XX Occurrence Rank: Unknown wmer/Manager: PVT Trend: Unknown versence: Presumed Extant Unknown ocation: Unstrong The Numer Num | | State: | S3 | | | | |
| LATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH ANDS WITH GROVES OR LINES OF TREES. ast Date Observed: 1988-XX-XX ast Date Observed: 1988-XX-XX Doccurrence Type: Natural/Native occurrence ast Survey Date: 1988-XX-XX Occurrence Rank: Unknown Trend: Unknown Trend: Unknown Tresence: PVT Trend: Unknown Tresence: Presumed Extant ocation: LONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Hetailed Location: ERRITORY ST007 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. icological: IESTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. hreats: ieneral: ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. LSS: T04S, R07E, Sec. 02 (M) Kacuracy: 2/5 mile Accuracy: 2/5 mile Area (acres): 0 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 County Summary: Tanislaus Westley (3712152) | eneral Habitat: | | | Micro Habitat: | | | |
| ast Survey Date: 1988-XX-XX Occurrence Rank: Unknown bwner/Manager: PVT Trend: Unknown resence: Presumed Extant Unknown ocation: Unknown Unknown LONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Vestor Strenger Str | LATS, RIPARIAN ARE | AS, SAVANNAH | IS, & AGRICULTURAL OR RANC | H GRASSLANDS, OR | | | |
| wmmr/Manager: PVT Trend: Unknown tresence: Presumed Extant socation: LONG THE TUOLUMNE RIVER, ABOUT 0.5 IIIS CONFUSCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. tetailed Location: ERRITORY ST007 FROM CDFW SWAINSONS HAWK OBSERVATIONS DATABASE. scological: IESTING HABITAT DESCRIBED AS RIPARIAN ND CROPLAND. threats: Seneral: ADULTS OBSERVED NESTING AND FORAGINS IN 1988 ESTEP SURVEY. PLSS: 104S, R07E, Sec. 02 (M) Accuracy: ADULTS OBSERVED NESTING AND FORAGINS IN 1988 ESTEP SURVEY. PLSS: 104S, R07E, Sec. 02 (M) Accuracy: ACuracy: 2/5 mile Area (acres): 0 Soundy Summary: Quad Summary: Westley (3712152) | ast Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/ | Native occurrence | |
| resence: Presumed Extant ocation: LONG THE TUOLUMNE RIVER, ABOUT 0.5 MILE'S EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. tetailed Location: ERRITORY ST007 FROM CDFW SWAINSON'S HAWK OBSERVATION'S DATABASE. cological: IESTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. hreats: ieneral: ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. LSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 county Summary: Quad Summary: Westley (3712152) Westley (3712152) | ast Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknow | 'n | |
| Activities Activities Accuracy: 2/5 mile Accuracy: 2/5 mile Activities 35 Activity Summary: Quad Summary: Westley (3712152) Westley (3712152) | wner/Manager: | PVT | | Trend: | Unknow | 'n | |
| LONG THE TUOLUMNE RIVER, ABOUT 0.5 MILES EAST OF ITS CONFLUENCE WITH THE SAN JOAQUIN RIVER, WEST OF MODESTO. Tereatiled Location: ERRITORY ST007 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. Acological: IESTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. Threats: Beneral: ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. LSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 County Summary: tanislaus Westley (3712152) | resence: | Presumed Exta | ant | | | | |
| Wetailed Location: ERRITORY ST007 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. icological: IESTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. ihreats: IESTING HABITAT DESCRIBED NESTING AND FORAGING IN 1988 ESTEP SURVEY. ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. Area (acres): 0 ILSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 county Summary: Quad Summary: Vestley (3712152) Vestley (3712152) Vestley (3712152) | ocation: | | | | | | |
| ERRITORY ST007 FROM CDFW SWAINSON'S HAWK OBSERVATIONS DATABASE. cological: IESTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. hreats: deneral: ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. LSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 county Summary: Quad Summary: tanislaus Westley (3712152) | LONG THE TUOLUMN | IE RIVER, ABOI | JT 0.5 MILES EAST OF ITS CONI | FLUENCE WITH THE SAN | JOAQUIN | RIVER, WEST OF MODESTO. | |
| cological: ESTING HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. hreats: ieneral: ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. LSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 TM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 county Summary: Quad Summary: tanislaus Westley (3712152) | etailed Location: | | | | | | |
| Itesting HABITAT DESCRIBED AS RIPARIAN AND CROPLAND. Interats: General: ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. PLSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 County Summary: Quad Summary: Westley (3712152) | ERRITORY ST007 FR | OM CDFW SWA | INSON'S HAWK OBSERVATION | S DATABASE. | | | |
| ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. ITM: Zone-10 N4164201 E661708 Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 County Summary: Quad Summary: itanislaus Westley (3712152) | | | | | | | |
| ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. Area (acres): 0 PLSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 county Summary: Quad Summary: Westley (3712152) V | cological: | | | | | | |
| ADULTS OBSERVED NESTING AND FORAGING IN 1988 ESTEP SURVEY. PLSS: T04S, R07E, Sec. 02 (M) Accuracy: 2/5 mile Area (acres): 0 ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 County Summary: Quad Summary: Vestley (3712152) | IESTING HABITAT DE | SCRIBED AS RI | PARIAN AND CROPLAND. | | | | |
| Accuracy: 2/5 mile Area (acres): 0 TTM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 county Summary: Quad Summary: Westley (3712152) Vestley (3712152) Vestley (3712152) | IESTING HABITAT DES Threats: | SCRIBED AS RI | PARIAN AND CROPLAND. | | | | |
| ITM: Zone-10 N4164201 E661708 Latitude/Longitude: 37.61070 / -121.16788 Elevation (feet): 35 County Summary: Quad Summary: Westley (3712152) Westley (3712152) | IESTING HABITAT DES hreats: General: | | | VEY. | | | |
| Stanislaus Westley (3712152) | NESTING HABITAT DES Threats: General: 2 ADULTS OBSERVED | NESTING AND | FORAGING IN 1988 ESTEP SUR | | | Area (acres): 0 | |
| | IESTING HABITAT DES hreats: General: ADULTS OBSERVED PLSS: T04S, R07E, S | NESTING AND ec. 02 (M) | FORAGING IN 1988 ESTEP SUR Accuracy: | 2/5 mile | | ζ, γ | |
| | IESTING HABITAT DES Threats: General: ADULTS OBSERVED PLSS: T04S, R07E, S ITM: Zone-10 N4164 | NESTING AND ec. 02 (M) | FORAGING IN 1988 ESTEP SUR Accuracy: Latitude/Longitude: | 2/5 mile | | ζ, γ | |
| oources. | NESTING HABITAT DES Threats: General: ADULTS OBSERVED PLSS: T04S, R07E, S JTM: Zone-10 N4164 County Summary: | NESTING AND ec. 02 (M) | FORAGING IN 1988 ESTEP SUR Accuracy: Latitude/Longitude: Quad Summary: | 2/5 mile | | ζ, γ | |
| | NESTING HABITAT DES Threats: General: ADULTS OBSERVED PLSS: T04S, R07E, S JTM: Zone-10 N4164 County Summary: Stanislaus Sources: | NESTING AND ec. 02 (M) 4201 E661708 | FORAGING IN 1988 ESTEP SUR Accuracy: Latitude/Longitude: Quad Summary: | 2/5 mile 37.61070 / -121.16788 | RECORDS | Elevation (feet): 35 | |

Commercial Version -- Dated October, 6 2015 -- Biogeographic Data Branch Report Printed on Tuesday, October 13, 2015



California Department of Fish and Wildlife



| Map Index Number: | 90224 | | EO Index: | | 91237 |
|--|----------------|--|-----------------------|----------|--|
| Key Quad: | Patterson (37 | 12142) | Element Code: | | ABNKC19070 |
| Occurrence Number: | 2498 | | Occurrence Last U | pdated: | 2013-09-09 |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainsor | n's hawk |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | Threatened | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G5 | | | C-Least Concern BCC-Birds of Conservation Concern |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| | AS, SAVANNAH | ITERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODENT |
| Last Date Observed: | 2006-06-20 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2006-06-20 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| ABOUT 0.4 MILES NNE | OF N 2ND ST A | AT WALNUT AVE IN PATTERSON | N, ADJACENT TO WALNUT | I GROVE | ELEMENTARY SCHOOL. |
| Detailed Location: | | | | | |
| MAPPED TO COORDIN | IATES PROVIDE | ED ON FIELD SURVEY FORM. | | | |
| Ecological: | | | | | |
| | | | | | OPS INCLUDING ALFALFA. AERIAL NTARY SCHOOL WAS BUILT, BETWEEN |
| Threats: | | | | | |
| NEST TREE REMOVAL | , DEVELOPMEN | NT. | | | |
| General: | | | | | |
| | RVED ON 17 AF | PR 2006; MALE BROUGHT FOOD | D TO FEMALE ON NEST O | N 18 MAY | ; ADULT AND 2 NESTLINGS OBSERVED OF |
| | | Accuracy: | 80 meters | | Area (acres): 0 |
| NEST BUILDING OBSE 20 JUN. PLSS: T05S, R08E, S | ec. 19 (M) | • | | | Elevation (feet): 85 |
| 20 JUN. PLSS: T05S, R08E, S | | Latitude/Longitude: | 37.48363 / -121.13114 | | Elevation (feet): 85 |
| 20 JUN. PLSS: T05S, R08E, S UTM: Zone-10 N415(| | Latitude/Longitude: Quad Summary: | 37.48363 / -121.13114 | | |
| 20 JUN. PLSS: T05S, R08E, S | | - | 37.48363 / -121.13114 | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11768 | | EO Index: | | 91377 | |
|--|--------------------|--|-----------------------|------------------------------------|--|--|
| Key Quad: | Patterson (37 | 12142) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 2524 | | Occurrence Last U | Occurrence Last Updated: 2013-09-1 | | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainsor | n's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | s: Global: | G5 | | _ | C-Least Concern BCC-Birds of Conservation Concern | |
| | State: | S3 | | _ | - | |
| General Habitat: | | | Micro Habitat: | | | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC IREES. | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODE | |
| Last Date Observed: | 1936-04-26 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1936-04-26 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | ant | | | | |
| _ocation: | | | | | | |
| PUERTO CANYON (AT | MOUTH). | | | | | |
| Detailed Location: | | | | | | |
| | | 'PUERTO CANYON, STANISLAU RISTIC TO THE SPECIES. | S CO," BUT ATTRIBUTED | HERE BA | SED ON NESTING AND FORAGING | |
| Ecological: | | | | | | |
| NEST 45' UP IN LARGE COTTONWOOD LEAVE | E COTTONWOO ES. | D, COMPOSED OF SMALL BRAN | ICHES AND COARSE TWI | GS AND L | LINED WITH FINE TWIGS AND | |
| Threats: | | | | | | |
| General: | | | | | | |
| BEGGS COLLECTED | ON 26 APR 1936 |). | | | | |
| PLSS: T05S, R07E, S | ec. 20 (M) | Accuracy: | 1 mile | | Area (acres): 0 | |
| JTM: Zone-10 N415 | 0377 E657644 | Latitude/Longitude: | 37.48687 / -121.21688 | | Elevation (feet): 300 | |
| County Summary: | | Quad Summary: | | | | |
| | | | | | | |
| Stanislaus | | Patterson (3712142), \ | Vestley (3712152) | | | |

SAM36S0001 SAMPSON, W. - WFVZ EGG-NEST SPECIMEN #17438, COLLECTED FROM PUERTO CANYON. 1936-04-26



California Department of Fish and Wildlife



| Map Index Number: | 24870 | | EO Index: | | 6505 | |
|--|--------------------------|--------------------------------------|-----------------------------------|-------------|---|--|
| Key Quad: | Patterson (3712142) | | Element Code: | | ABNKD06090 | |
| Occurrence Number: | 446 | | Occurrence Last U | pdated: | 2008-07-25 | |
| Scientific Name: F | ic Name: Falco mexicanus | | Common Name: | prairie fal | lcon | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| * SENSITIVE * | State: | None | Other Lists: | | VL-Watch List | |
| CNDDB Element Ranks | s: Global: | G5 | | | C-Least Concern _BCC-Birds of Conservation Concern | |
| | State: | S4 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| NHABITS DRY, OPEN | TERRAIN, EITH | ER LEVEL OR HILLY. | BREEDING SITES L TO MARSHLANDS | | ON CLIFFS. FORAGES FAR AFIELD, EVEN AN SHORES. | |
| ast Date Observed: | 1993-04-20 | | Occurrence Type: | Natural/ | Native occurrence | |
| ast Survey Date: | 1993-04-20 | | Occurrence Rank: | Exceller | nt | |
| wner/Manager: | | | Trend: | Unknow | 'n | |
| resence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| SENSITIVE* LOCATIO | ON INFORMATIC | ON SUPPRESSED. | | | | |
| etailed Location: | | | | | | |
| PLEASE CONTACT TH NFORMATION: (916) 3 | | NATURAL DIVERSITY DATABA | SE, CALIFORNIA DEPARTI | MENT OF I | FISH AND WILDLIFE, FOR MORE | |
| Ecological: | | | | | | |
| IESTING HABITAT CO | NSISTS OF A S | ANDSTONE CLIFF COMPLEX V | VITH NUMEROUS POTHOL | ES AND L | EDGES. | |
| hreats: | | | | | | |
| HREATS INCLUDE "S | COOPING" YOU | JNG BIRDS FROM THE NEST. | | | | |
| Seneral: | | | | | | |
| PLSS: | | Accuracy: | 3/5 mile | | Area (acres): 0 | |
| 235: | | Latitude/Longitude: | | | Elevation (feet): 1,000 | |
| | | | | | | |
| JTM: | | Quad Summary: | | | | |
| JTM: County Summary: | | Quad Summary: Patterson (3712142) | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | d: Westley (3712152) | | EO Index: | 2 | 25477 | |
|---------------------|----------------------|---|-----------------------|------------------|--|-------|
| Key Quad: | | | Element Code: | Element Code: AB | | |
| Occurrence Number: | | | Occurrence Last U | pdated: | 1989-08-10 | |
| Scientific Name: A | thene cuniculari | a | Common Name: | burrowing o | wl | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Ser | | |
| CNDDB Element Rank | s: Global: | G4 | | | C-Species of Special Conceri east Concern | า |
| | State: | S3 | | | CC-Birds of Conservation Co | ncern |
| General Habitat: | | | Micro Habitat: | | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | PENDENT UPON BURROW HE CALIFORNIA GROUND | |
| Last Date Observed: | 1983-XX-XX | | Occurrence Type: | Natural/Na | tive occurrence | |
| Last Survey Date: | 1983-XX-XX | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Ext | ant | | | | |
| Location: | | | | | | |
| 1.1 MI W OF TUOLUM | NE CITY, E OF J | ICT OF TUOLUMNE AND SAN JO | AQUIN RIVERS. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| | OF AN EXPOSE | D AGGREGATE SLAB OF CULVE | RT. | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| ONE INDIVIDUAL OBS | ERVED DURING | G JANUARY AND FEBRUARY. | | | | |
| PLSS: T04S, R07E, S | Sec. 12 (M) | Accuracy: | 1/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N416 | 3099 E662971 | Latitude/Longitude: | 37.60055 / -121.15383 | | Elevation (feet): | 2,850 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Westley (3712152) | | | | |
| | | | | | | |

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



California Department of Fish and Wildlife



| | 22887 | | EO Index: | | 19492 |
|---|--|--|------------------------------------|-----------|--|
| Key Quad: | Patterson (37 | 12142) | Element Code: | | ABNSB10010 |
| Occurrence Number: | lumber: 144 Occurrence Last Updated: 1 | | 1993-03-24 | | |
| Scientific Name: | Athene cunicularia | а | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | e: None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | IUCN_LC | SC-Species of Special Concern -Least Concern |
| | State: | S3 | | USFWS_ | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL |
| Last Date Observed: | 1991-10-17 | | Occurrence Type: | Natural/N | Native occurrence |
| Last Survey Date: | 1991-10-17 | | Occurrence Rank: | Fair | |
| | | | Trend: | | 2 |
| Owner/Manager: | UNKNOWN | | menu. | Unknow | 11 |
| Owner/Manager: Presence: | UNKNOWN Presumed Exta | ant | rienu. | Unknowi | |
| - | | ant | rienu. | Unknowi | |
| Presence: Location: DEL PUERTO CANYO | Presumed Exta | ant ILE WEST OF I-5, 4 MILES WEST | | Unknown | |
| Presence: Location: | Presumed Exta | | | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: | Presumed Exta | ILE WEST OF I-5, 4 MILES WEST | OF PATTERSON. | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C | Presumed Exta | | OF PATTERSON. | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C Threats: | Presumed Exta | ILE WEST OF I-5, 4 MILES WEST | OF PATTERSON. | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C Threats: General: | Presumed Exta N ROAD, 0.75 MI DF GRASSLAND | ILE WEST OF I-5, 4 MILES WEST WITH ROLLING HILLS (RANGEL | OF PATTERSON. | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C Threats: General: ONE INDIVIDUAL OBS | Presumed Exta N ROAD, 0.75 Mi DF GRASSLAND | ILE WEST OF I-5, 4 MILES WEST WITH ROLLING HILLS (RANGEL NG AT BURROW ENTRANCE. | OF PATTERSON. AND). | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C Threats: General: ONE INDIVIDUAL OBS PLSS: T05S, R07E, S | Presumed Exta N ROAD, 0.75 M OF GRASSLAND ERVED STANDI Sec. 28 (M) | ILE WEST OF I-5, 4 MILES WEST WITH ROLLING HILLS (RANGEL NG AT BURROW ENTRANCE. Accuracy: | OF PATTERSON. AND). 2/5 mile | Unknown | Area (acres): 0 |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C Threats: General: ONE INDIVIDUAL OBS PLSS: T05S, R07E, S | Presumed Exta N ROAD, 0.75 Mi DF GRASSLAND | ILE WEST OF I-5, 4 MILES WEST WITH ROLLING HILLS (RANGEL NG AT BURROW ENTRANCE. | OF PATTERSON. AND). | Unknown | |
| Presence: Location: DEL PUERTO CANYOI Detailed Location: Ecological: HABITAT CONSISTS C Threats: General: ONE INDIVIDUAL OBS PLSS: T05S, R07E, S | Presumed Exta N ROAD, 0.75 M OF GRASSLAND ERVED STANDI Sec. 28 (M) | ILE WEST OF I-5, 4 MILES WEST WITH ROLLING HILLS (RANGEL NG AT BURROW ENTRANCE. Accuracy: | OF PATTERSON. AND). 2/5 mile | Unknown | Area (acres): 0 |



California Department of Fish and Wildlife



| Map Index Number: | ndex Number: 51393 | | EO Index: | | 51393 | | |
|---|-----------------------------------|--|-----------------------|-----------|--|---------|--|
| Key Quad: | Patterson (3712 | 2142) | Element Code: ABNS | | ABNSB10010 | SB10010 | |
| Occurrence Number: 588 | | | Occurrence Last U | pdated: | 2003-05-27 | | |
| Scientific Name: A | ientific Name: Athene cunicularia | | Common Name: | burrowing | g owl | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | BLM_S-S | | | |
| CNDDB Element Ranks | s: Global: | G4 | | | SC-Species of Special Concerr C-Least Concern | ٦ | |
| | State: | S3 | | _ | BCC-Birds of Conservation Con | ncern | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | RASSLANDS, DESERTS & DW-GROWING VEGETATION. | | | DEPENDENT UPON BURROW , THE CALIFORNIA GROUND | | |
| Last Date Observed: | 2003-04-28 | | Occurrence Type: | Natural/I | Native occurrence | | |
| Last Survey Date: | 2003-04-28 | | Occurrence Rank: | None | | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | | |
| Presence: | Possibly Extirpat | ted | | | | | |
| Location: | | | | | | | |
| JUST EAST OF SALAD | O CREEK, 1 MILE | E WEST OF DOWNTOWN PATT | ERSON. | | | | |
| Detailed Location: | | | | | | | |
| Ecological: | | | | | | | |
| HABITAT CONSISTS O "INFESTED" WITH GRO | | T WITH RUDERAL VEGETATIO .S. | N, INCLUDING HORDEUM | I MURINUI | M, VULPIA MYUROS, ETC; LO | TS ARE | |
| Threats: | | | | | | | |
| THREATENED BY DEV FLEDGE). | ELOPMENT (SIT | E FENCED OFF TO ALLOW NE | STING TO CONTINUE, BU | T WILL BE | E BUILT OUT AS SOON AS YC | UNG | |
| General: | | | | | | | |
| MALE OBSERVED DEL | IVERING FOOD | TO FEMALE AT BURROW ON 2 | 8 APR 2003. | | | | |
| PLSS: T05S, R07E, S | ec. 25 (M) | Accuracy: | 80 meters | | Area (acres): | 0 | |
| UTM: Zone-10 N414 | 8371 E663707 | Latitude/Longitude: | 37.46774 / -121.14878 | | Elevation (feet): | 115 | |
| County Summary: | | Quad Summary: | | | | | |
| Stanislaus Patterson (3712142) | | | | | | | |
| Stanislaus | | , , | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 34865 | | EO Index: | 18703 |
|-------------------------------|---------------------|--|------------------------|--|
| Key Quad: | Patterson (3712142) | | Element Code: | ABPAT02011 |
| Occurrence Number: 7 | | | Occurrence Last U | pdated: 1996-07-30 |
| Scientific Name: E | remophila alpes | tris actia | Common Name: | California horned lark |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | CDFW_WL-Watch List |
| CNDDB Element Rank | s: Global: | G5T3Q | | IUCN_LC-Least Concern |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| | | SONOMA CO. TO SAN DIEGO C /ALLEY & EAST TO FOOTHILLS. | | AIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPE FALLOW GRAIN FIELDS, ALKALI FLATS. |
| Last Date Observed: | 1993-04-13 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1993-04-13 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| SOUTH OF PATTERSO | N; BETWEEN (| CALIFORNIA AQUEDUCT AND H | WY 5; 1.1 KM SSE OF HW | Y 5 X FINK ROAD. |
| Detailed Location: | | | | |
| MILEPOST 356.4 OF E | XISTING NATUR | RAL GAS PIPELINE. | | |
| Ecological: | | | | |
| NON-NATIVE GRASSL | AND. | | | |
| Threats: | | | | |
| General: | | | | |
| 1 ADULT OBSERVED | APPROX. 100 FI | EET WEST OF PIPELINE. | | |
| PLSS: T06S, R08E, S | Sec. 30 (M) | Accuracy: | 80 meters | Area (acres): 0 |
| UTM: Zone-10 N413 | 9707 E665439 | Latitude/Longitude: | 37.38938 / -121.13114 | Elevation (feet): 250 |
| County Summary: Quad Summary: | | Quad Summary: | | |
| County Summary: | | | | |
| Stanislaus | | Patterson (3712142) | | |



California Department of Fish and Wildlife



| Map Index Number: | ndex Number: 66732 | | EO Index: | 6688 | 0 | | |
|---------------------|--------------------|---|-----------------------|------------------------------|---|----------|--|
| Key Quad: | Patterson (371 | 2142) | Element Code: Al | | ABPBR01030 | | |
| Occurrence Number: | 15 | | Occurrence Last U | Occurrence Last Updated: 200 | | 06-10-16 | |
| Scientific Name: | anius ludovicianu | s | Common Name: | loggerhead shrik | (e | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | | ecies of Special Concerr | า | |
| CNDDB Element Rank | s: Global: | G4 | | IUCN_LC-Least | Concern Firds of Conservation Con | ncern | |
| | State: | S4 | | 000_20002 | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | NYON-JUNIPER, JOSHUA TRE ASES, SCRUB & WASHES. | | | UNTING, WITH PERCHI HRUBS AND BRUSH FO | | |
| Last Date Observed: | 2002-05-01 | | Occurrence Type: | Natural/Native | occurrence | | |
| Last Survey Date: | 2002-05-01 | | Occurrence Rank: | Excellent | | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | | |
| Presence: | Presumed Exta | nt | | | | | |
| Location: | | | | | | | |
| ABOUT 2.3 MI WEST O | F PATTERSON, | WESTERN SIDE OF DELTA ME | NDOTA CANAL. | | | | |
| Detailed Location: | | | | | | | |
| MAPPED ACCORDING | TO UTM COORI | DINATES GIVEN. NEST IN TUME | BLEWEEDS PILED UP AG | AINST FENCE. | | | |
| Ecological: | | | | | | | |
| |) WEST, AGRICL | JLTURE EAST OF CANAL. | | | | | |
| Threats: | | | | | | | |
| General: | | | | | | | |
| NEST SITE. 2 ADULTS | AND 5 EGGS OF | BSERVED ON 1 MAY 2002. | | | | | |
| PLSS: T05S, R07E, S | ec. 26 (M) | Accuracy: | 80 meters | | Area (acres): | 0 | |
| UTM: Zone-10 N4148 | 3484 E661481 | Latitude/Longitude: | 37.46914 / -121.17391 | | Elevation (feet): | 180 | |
| County Summary: | | Quad Summary: | | | | | |
| Stanislaus | | Patterson (3712142) | | | | | |
| | | | | | | | |



California Department of Fish and Wildlife



| Map Index Num | ber: | 78819 | | EO Index: | | 79763 | |
|---|---|---|---|---|---|--|--|
| Key Quad: | | Westley (3712152) | | Element Code: | | ABPBW01114 | |
| Occurrence Nu | urrence Number: 318 | | | Occurrence Last U | pdated: | 2011-05-13 | |
| cientific Name | e: Vire | eo bellii pusillu | S | Common Name: | least Bell' | 's vireo | |
| isting Status: | | Federal: | Endangered | Rare Plant Rank: | | | |
| | | State: | Endangered | Other Lists: | | -Near Threatened | |
| CNDDB Elemer | t Ranks: | Global: | G5T2 | | NABCI_Y | WL-Yellow Watch List | |
| | | State: | S2 | | | | |
| General Habita | : | | | Micro Habitat: | | | |
| | | | CALIFORNIA IN LOW RIPARIAN R BOTTOMS; BELOW 2000 FT. | | | RGINS OF BUSHES OR ON TV YS, USUALLY WILLOW, BACC | |
| ast Date Obse | rved: 2 | 2007-06-01 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Da | te: 2 | 2009-XX-XX | | Occurrence Rank: | Poor | | |
| Owner/Manage | r: l | JSFWS-SAN | JOAQUIN RIVER NWR | Trend: | Unknowi | n | |
| Presence: | F | Presumed Exta | ant | | | | |
| Location: | | | | | | | |
| GENERAL ARE | A CENTE | RED 2.5 MI E | OF OAKLEA RD AT S RIVER RI | D. 2.8 MI N OF GRAYSON. (| ON THE W | SIDE OF SAN JOAOUIN RIVE | R. |
| | | | | , , | | | |
| Detailed Locati | on: | | | , , | | | |
| 2005 AND 2006 | NESTS F | | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. | | | | |
| 2005 AND 2006 PLOT. MAPPED | NESTS F | | S R07E SEC 9. 2006 NEST IN H | | | | |
| 2005 AND 2006 PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC | NESTS F TO HAG 002 PRE\ YOTEBR | EMANN'S FIE /IOUSLY FAR | S R07E SEC 9. 2006 NEST IN H | IAGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAI | T. 2005 AN NTS INCLU | D 2007 NEST IN HAGEMANN' IDING COTTONWOOD, WILLO | S FIELD 9 DW, |
| 2005 AND 2006 PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR | NESTS F TO HAG 002 PRE\ YOTEBR | EMANN'S FIE /IOUSLY FAR | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI [*] | IAGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAI | T. 2005 AN NTS INCLU | D 2007 NEST IN HAGEMANN' IDING COTTONWOOD, WILLO | S FIELD 9 DW, |
| 2005 AND 2006 PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: | NESTS F TO HAG 002 PRE\ YOTEBR S. | EMANN'S FIE /IOUSLY FAR USH, GUMPL | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI [*] | IAGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAI | T. 2005 AN NTS INCLU | D 2007 NEST IN HAGEMANN' IDING COTTONWOOD, WILLO | S FIELD 9 DW, |
| 2005 AND 2006 PLOT. MAPPED Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Fhreats: POSSIBLY THR | NESTS F TO HAG 002 PRE\ YOTEBR S. | EMANN'S FIE /IOUSLY FAR USH, GUMPL | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI [*] ANT, MUGWORT & CREEPING | IAGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAI | T. 2005 AN NTS INCLU | D 2007 NEST IN HAGEMANN' IDING COTTONWOOD, WILLO | S FIELD 9 DW, |
| 2005 AND 2006 PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Ihreats: POSSIBLY THR General: 2005: PAIR FLE | NESTS F TO HAG 002 PRE\ YOTEBR S. EATENEI DGED 2 F | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3- | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI [*] ANT, MUGWORT & CREEPING | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI | T. 2005 AN NTS INCLU ENTED BR R THAT IN | D 2007 NEST IN HAGEMANN' DING COTTONWOOD, WILLO EEDING IN THE CENTRAL V CLUDED BANDED MALE FLE | S FIELD 9 DW, ALLEY IN DGED 3 |
| 2005 AND 2006 PLOT. MAPPED Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3- | NESTS F TO HAG 002 PRE\ DYOTEBR S. EATENEI DGED 2 E YR OLD F | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3 PLANTING. 20 | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI | T. 2005 AN NTS INCLU ENTED BR R THAT IN | D 2007 NEST IN HAGEMANN' DING COTTONWOOD, WILLO EEDING IN THE CENTRAL V CLUDED BANDED MALE FLE | S FIELD 9 DW, ALLEY IN DGED 3 |
| 2005 AND 2006 PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3- PLSS: T04S, | NESTS F TO HAG 002 PRE\ YOTEBR S. EATENEI DGED 2 E YR OLD F R07E, Sec | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3 PLANTING. 20 | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 007: UNBANDED FEMALE BUILT | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI T NEST & LAID 4 EGGS, UN specific area | T. 2005 AN NTS INCLU ENTED BR R THAT IN | D 2007 NEST IN HAGEMANN JDING COTTONWOOD, WILLO EEDING IN THE CENTRAL V CLUDED BANDED MALE FLE SFUL. NONE OBSERVED 2008 | S FIELD 9 DW, ALLEY IN DGED 3 3 OR 2009. |
| 2005 AND 2006 PLOT. MAPPED Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3 PLSS: T04S, UTM: Zone-1 | NESTS F D TO HAG 002 PREV YOTEBR S. EATENEI DGED 2 E YR OLD F R07E, Sec 0 N41636 | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3- PLANTING. 20 c. 10 (M) | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 007: UNBANDED FEMALE BUILT Accuracy: | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI T NEST & LAID 4 EGGS, UN specific area | T. 2005 AN NTS INCLU ENTED BR R THAT IN | D 2007 NEST IN HAGEMANN DING COTTONWOOD, WILLO EEDING IN THE CENTRAL V CLUDED BANDED MALE FLE FUL. NONE OBSERVED 2008 Area (acres): | S FIELD 9 DW, ALLEY IN DGED 3 3 OR 2009. 208 |
| 2005 AND 2006 PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3 PLSS: T04S, UTM: Zone-1 County Summa | NESTS F D TO HAG 002 PREV YOTEBR S. EATENEI DGED 2 E YR OLD F R07E, Sec 0 N41636 | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3- PLANTING. 20 c. 10 (M) | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 107: UNBANDED FEMALE BUILT Accuracy: Latitude/Longitude: | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI T NEST & LAID 4 EGGS, UN specific area | T. 2005 AN NTS INCLU ENTED BR R THAT IN | D 2007 NEST IN HAGEMANN DING COTTONWOOD, WILLO EEDING IN THE CENTRAL V CLUDED BANDED MALE FLE FUL. NONE OBSERVED 2008 Area (acres): | S FIELD 9 DW, ALLEY IN DGED 3 3 OR 2009. 208 |
| 2005 AND 2006 PLOT. MAPPED Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3 PLSS: T04S, UTM: Zone-1 County Summa Stanislaus | NESTS F D TO HAG 002 PREV YOTEBR S. EATENEI DGED 2 E YR OLD F R07E, Sec 0 N41636 | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3- PLANTING. 20 c. 10 (M) | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 007: UNBANDED FEMALE BUILT Accuracy: Latitude/Longitude: Quad Summary: | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI T NEST & LAID 4 EGGS, UN specific area | T. 2005 AN NTS INCLU ENTED BR R THAT IN | D 2007 NEST IN HAGEMANN DING COTTONWOOD, WILLO EEDING IN THE CENTRAL V CLUDED BANDED MALE FLE FUL. NONE OBSERVED 2008 Area (acres): | S FIELD 9 DW, ALLEY IN DGED 3 3 OR 2009. 208 |
| 2005 AND 2006 PLOT. MAPPED Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Inreats: POSSIBLY THR General: 2005: PAIR FLE BANDED) IN 3 PLSS: T04S, UTM: Zone-1 County Summa Stanislaus | NESTS F DTO HAG 002 PREV YOTEBR S. EATENEI DGED 2 E YR OLD F R07E, Sec 0 N41636 iry: | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3- PLANTING. 20 c. 10 (M) 62 E660281 | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 007: UNBANDED FEMALE BUILT Accuracy: Latitude/Longitude: Quad Summary: | IAGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI NEST & LAID 4 EGGS, UN specific area 37.60610 / -121.18416 | T. 2005 AN NTS INCLU ENTED BR R THAT IN ISUCCESS | D 2007 NEST IN HAGEMANN DDING COTTONWOOD, WILLO EEDING IN THE CENTRAL V/ CLUDED BANDED MALE FLE FUL. NONE OBSERVED 2008 Area (acres): Elevation (feet): | S FIELD 9 DW, ALLEY IN DGED 3 3 OR 2009. 208 32 |
| 2005 AND 2006 PLOT. MAPPED Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3- PLSS: T04S, I UTM: Zone-1 County Summa Stanislaus Sources: FOR10U0001 | NESTS F DTO HAG 002 PREV DYOTEBR S. EATENEI DGED 2 F YR OLD F R07E, Sec 0 N41636 iry: FORRE NWR 20 | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3 PLANTING. 20 c. 10 (M) 62 E660281 5T, K. (U.S. F 010-05-05 | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 007: UNBANDED FEMALE BUILT Accuracy: Latitude/Longitude: Quad Summary: Westley (3712152) | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI T NEST & LAID 4 EGGS, UN specific area 37.60610 / -121.18416 | T. 2005 AN NTS INCLU ENTED BR R THAT IN ISUCCESS | D 2007 NEST IN HAGEMANN' IDING COTTONWOOD, WILLO EEDING IN THE CENTRAL V/ CLUDED BANDED MALE FLE SFUL. NONE OBSERVED 2008 Area (acres): Elevation (feet): | S FIELD 9 DW, ALLEY IN DGED 3 3 OR 2009. 208 32 |
| PLOT. MAPPEE Ecological: STARTING IN 2 WILDROSE, CC OVER 50 YEAR Threats: POSSIBLY THR General: 2005: PAIR FLE (BANDED) IN 3- PLSS: T04S, 1 | NESTS F D TO HAG 002 PREV DYOTEBR S. EATENEI DGED 2 E YR OLD F RO7E, Sec 0 N41636 iry: FORRE NWR 20 HOWEL HOWEL | EMANN'S FIE /IOUSLY FAR USH, GUMPL D BY INSUFFI BROODS IN 3 PLANTING. 20 c. 10 (M) 62 E660281 | S R07E SEC 9. 2006 NEST IN H LD 6 AND 9 PLOTS. MED LAND REVEGETATED WI ANT, MUGWORT & CREEPING CENT POPULATION SIZE. -YR-OLD RESTORED HABITAT; 007: UNBANDED FEMALE BUILT Accuracy: Latitude/Longitude: Quad Summary: Westley (3712152) | AGEMANN'S FIELD 6 PLOT TH NATIVE RIPARIAN PLAN WILD RYE. FIRST DOCUMI MALE BANDED. 2006: PAI T NEST & LAID 4 EGGS, UN specific area 37.60610 / -121.18416 EMAIL REGARDING NEST IELD SURVEY FORM FOR V | T. 2005 AN NTS INCLU ENTED BR IR THAT IN ISUCCESS | D 2007 NEST IN HAGEMANN' JDING COTTONWOOD, WILLO EEDING IN THE CENTRAL V/ CLUDED BANDED MALE FLE FUL. NONE OBSERVED 2008 Area (acres): Elevation (feet): T BELL'S VIREO AND THE SA LLII PUSILLUS 2007-05-11 MONITORING, NEST PREDAT | S FIELD 9 DW, ALLEY IN DGED 3 6 OR 2009. 208 32 N JOAQUIN |



California Department of Fish and Wildlife



| Map Index Number: | 59274 | | EO Index: | | 92604 | |
|---------------------|---------------------|--|---------------------------|--------------|---|------------|
| Key Quad: | Copper Mtn. (3 | 712143) | Element Code: | | ABPBW01114 | |
| Occurrence Number: | 509 | | Occurrence Last U | pdated: | 2014-02-11 | |
| Scientific Name: Vi | reo bellii pusillus | | Common Name: | least Bell's | vireo | |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | | | |
| | State: | Endangered | Other Lists: | | Near Threatened | |
| CNDDB Element Ranks | : Global: | G5T2 | | NABCI_YV | VL-Yellow Watch List | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | ALIFORNIA IN LOW RIPARIAN II BOTTOMS; BELOW 2000 FT. | | | GINS OF BUSHES OR ON TW 'S, USUALLY WILLOW, BACC | |
| Last Date Observed: | 1928-05-06 | | Occurrence Type: | Natural/N | ative occurrence | |
| Last Survey Date: | 1928-05-06 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Extan | ht | | | | |
| Location: | | | | | | |
| DEL PUERTO CANYON | , WEST OF I-5, E | EAST OF RED MOUNTAIN. | | | | |
| Detailed Location: | | | | | | |
| | | AS "PUERTO CANYON, STANIS ' IN STANISLAUS COUNTY. EXA | | | | |
| Ecological: | | | | | | |
| BOTH NEST WERE CO | NSTRUCTED IN | WILLOW TREES. | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| | | NG OF 4 EGGS EACH COLLECT TAGES REPORTED AS "JUST S | | | | \$ 18979 & |
| PLSS: T06S, R06E, S | ec. 04 (M) | Accuracy: | nonspecific area | | Area (acres): | 1,307 |
| UTM: Zone-10 N4144 | 832 E648630 | Latitude/Longitude: | 37.43840 / -121.31991 | | Elevation (feet): | 650 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Patterson (3712142), C | opper Mtn. (3712143), Mt. | Boardman | (3712144) | |
| Sources: | | | | | | |
| SAM27S0001 SAMP | SON, W. (WEST | ERN FOUNDATION OF VERTEB | RATE ZOOLOGY) - WFV2 | Z EGG COL | LECTION #18979 1927-05-01 | |
| SAM28S0001 SAMP | SON, W. (WEST | ERN FOUNDATION OF VERTEB | RATE ZOOLOGY) - WFV2 | Z EGG COL | LECTION #18978 1928-05-06 | |
| | | | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number:89742Key Quad:Westley (3712152)Occurrence Number:1 | | EO Index: Element Code: Occurrence Last Updated: | 90743 ABPBXA3010 2013-07-24 |
|--|------------------------|--|-----------------------------------|
| Scientific Name: Melospiza melodia | | Common Name: song sp | parrow ("Modesto" population) |
| Listing Status: Federal: None | | Rare Plant Rank: | |
| State: None | | Other Lists: CDFW | _SSC-Species of Special Concern |
| CNDDB Element Ranks: Global: G5 | | | |
| State: S3? | | | |
| General Habitat: | | Micro Habitat: | |
| Last Date Observed: 1928-03-24 | | Occurrence Type: Natura | al/Native occurrence |
| Last Survey Date: 1928-03-24 | | Occurrence Rank: Unkno | wn |
| Owner/Manager: PVT | | Trend: Unkno | wn |
| Presence: Presumed Extant | | | |
| Location: | | | |
| DOS RIOS RANCH, AREA SE OF SAN JOAQUIN | RIVER AT TUOLUMNE RIV | ER, W OF SHILOH BRIDGE. | |
| Detailed Location: | | | |
| MOST SPECIMENS LOCALITIES STATED, "MOI RANCHO DOS RIOS (DOS RIOS RANCH), ABOI | | | |
| Ecological: | | | |
| ACQUIRED & MANANGED BY RIVER PARTNER FROM SSP. HEERMANNI, BUT PATTEN (2009) | | | |
| Threats: | | | |
| General: | | | |
| MAILLIARD COLLECTED 17 SPECIMENS IN 190 6 SPECIMENS IN 1913, 5 IN 1914, 20 IN 1915, & | | | |
| PLSS: T04S, R07E, Sec. 11 (M) | Accuracy: 1 r | nile | Area (acres): 0 |
| UTM: Zone-10 N4163039 E662498 | Latitude/Longitude: 37 | .60010 / -121.15919 | Elevation (feet): 30 |
| County Summary: | Quad Summary: | | |

Stanislaus

Westley (3712152)



California Department of Fish and Wildlife



| Sources: | |
|------------|---|
| AUD05U0001 | STANISLAUS AUDUBON SOCIETY - WEBPAGE WITH A BRIEF BIOGRAPHY OF JOSEPH MAILLIARD (1857-1945). 2005-08-03 |
| BIS28S0002 | BISHOP, L. (THE FIELD MUSEUM OF NATURAL HISTORY) - FMNH SPECIMEN 155333: ZONOTRICHIA MELODIA MAILLIARDI FROM MODESTO, STANISLAUS CO., CALIFORNIA. 1928-03-23 |
| BIS28S0003 | BISHOP, L. (THE FIELD MUSEUM OF NATURAL HISTORY) - FMNH SPECIMEN 155334: ZONOTRICHIA MELODIA MAILLIARDI FROM MODESTO, STANISLAUS CO., CALIFORNIA. 1928-03-24 |
| BIS28S0004 | BISHOP, L. (THE FIELD MUSEUM OF NATURAL HISTORY) - FMNH SPECIMEN 155335: ZONOTRICHIA MELODIA MAILLIARDI FROM MODESTO, STANISLAUS CO., CALIFORNIA. 1928-03-23 |
| BIS28S0005 | BISHOP, L. (THE FIELD MUSEUM OF NATURAL HISTORY) - FMNH SPECIMEN 155336: ZONOTRICHIA MELODIA MAILLIARDI FROM MODESTO, STANISLAUS CO., CALIFORNIA. 1928-03-24 |
| GRI11A0001 | GRINNELL, J. (MUSEUM OF VERTEBRATE ZOOLOGY) - THE MODESTO SONG SPARROW. UNIV. OF CALIF. PUBLICATIONS IN ZOOLOGY 7(5):197-199. 1911-XX-XX |
| GRI11A0002 | GRINNELL, J. (MUSEUM OF VERTEBRATE ZOOLOGY) - FIELD NOTES FROM THE SAN JOAQUIN VALLEY. CONDOR 13(3):109-111. 1911-XX-XX |
| GRI23A0001 | GRINNELL, J. (MUSEUM OF VERTEBRATE ZOOLOGY) - NOTES ON SOME BIRDS OBSERVED IN THE VICINITY OF COLUSA, CALIFORNIA. CONDOR 25(5):172-176. 1923-05-12 |
| MAI09S0001 | MAILLIARD, J. & J. MAILLIARD (MUSEUM OF VERTEBRATE ZOOLOGY) - MVZ BIRDS #16688: MELOSPIZA MELODIA MAILLIARDI FROM RANCHO DOS RIOS, NEAR MODESTO, STANISLAUS CO., CALIFORNIA 1909-04-11 |
| MAI10S0001 | MAILLIARD, J. & J. MAILLIARD (MUSEUM OF VERTEBRATE ZOOLOGY) - MVZ BIRDS #16687: MELOSPIZA MELODIA MAILLIARDI (HOLOTYPE) FROM MODESTO, STANISLAUS CO., CALIFORNIA 1910-04-06 |
| MAI12S0007 | MAILLIARD, J. & J. MAILLIARD (CALIFORNIA ACADEMY OF SCIENCES) - CAS EGG #8318: 4 EGGS & 1 NEST (MELOSPIZA MELODIA) FROM NEAR MODESTO, STANISLAUS CO., CALIFORNIA 1912-05-16 |
| MAI12S0008 | MAILLIARD, J. & J. MAILLIARD (CALIFORNIA ACADEMY OF SCIENCES) - CAS EGG #9437: 1 EGG & 1 NEST (MELOSPIZA MELODIA) FROM NEAR MODESTO, STANISLAUS CO., CALIFORNIA 1912-04-23 |
| MAI12S0009 | MAILLIARD, J. & J. MAILLIARD (CALIFORNIA ACADEMY OF SCIENCES) - CAS EGG #9443: 1 EGG & 1 NEST (MELOSPIZA MELODIA) FROM MODESTO, STANISLAUS CO., CALIFORNIA 1912-04-23 |
| MAI12S0010 | MAILLIARD, J. (CALIFORNIA ACADEMY OF SCIENCES) - CAS EGG #10206: 3 EGGS (MELOSPIZA MELODIA MAILLIARDI) FROM MODESTO, STANISLAUS CO., CALIFORNIA 1912-04-23 |
| MAI12S0011 | MAILLIARD, J. (CALIFORNIA ACADEMY OF SCIENCES) - CAS EGG #10207: 3 EGGS (MELOSPIZA MELODIA MAILLIARDI) FROM MODESTO, STANISLAUS CO., CALIFORNIA 1912-04-23 |
| MAI17S0001 | MAILLIARD, J. & J. MAILLIARD (CALIFORNIA ACADEMY OF SCIENCES) - 66 M. M. MAILLIARDI SPECIMENS (51799, 51822-51886) COLLECTED FROM "MODESTO" (RANCHO DOS RIOS) FROM 19 MAR 1909 - 23 JAN 1917. 1917-01-23 |
| PAT09A0001 | PATTEN, M. & C. PRUETT - THE SONG SPARROW, MELOSPIZA MELODIA, AS A RING SPECIES: PATTERNS OF GEOGRAPHIC VARIATION, A REVISION OF SUBSPECIES, AND IMPLICATIONS FOR SPECIATION. SYST. AND BIODIV. 7(1)33-62. 2009-02-22 |



California Department of Fish and Wildlife



| Key Quad: | 12128 Crows Landin | g (3712141) | EO Index: Element Code: | | 24750 ABPBXB0020 |
|---|--|---|--|---|---|
| Occurrence Number: | 70 | | Occurrence Last U | pdated: | 2015-07-29 |
| Scientific Name: Ag | gelaius tricolor | | Common Name: | tricolored | l blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | : Global: | G2G3 | | | SSC-Species of Special Concern N-Endangered |
| | State: | S1S2 | | | RWL-Red Watch List _BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL SPE VICINITY. LARGELY EN | | NUMEROUS IN CENTRAL VALLEY LIFORNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1971-05-05 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2014-04-19 | | Occurrence Rank: | None | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Possibly Extirp | ated | | | |
| Location: | | | | | |
| VICINITY OF BRADBUR | Y RD & CROW | S LANDING RD INTXN, 1.2 MI NN | E CARPENTER RD & CR | OWS LAN | DING RD INTXN, E OF PATTERSON. |
| | | | | | |
| Detailed Location: | | | | | |
| MAPPED GENERALLY | | | | | ING AND BRADBURY ROADS." EXACT NAME "CROWS LANDING ROAD AT |
| MAPPED GENERALLY ⁻ LOCATION UNKNOWN. BRADBURY ROAD." | | | | | |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET | COLONY DAT | A STORED IN UC DAVIS TRICOLO | ORED BLACKBIRD PORT HAD BEEN REMOVED B [\] | AL; SITE | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW | COLONY DAT | A STORED IN UC DAVIS TRICOLO | ORED BLACKBIRD PORT HAD BEEN REMOVED B [\] | AL; SITE | NAME "CROWS LANDING ROAD AT |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: | COLONY DAT | A STORED IN UC DAVIS TRICOLO | ORED BLACKBIRD PORT HAD BEEN REMOVED B [\] | AL; SITE | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSEE | COLONY DAT. OF WATER; AL BB PRESENT I | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI | ORED BLACKBIRD PORT HAD BEEN REMOVED B' LY REPORTED IN THE VI RVED ON 5 MAY 1971; JU | AL; SITE Y 1972. PC CINITY BY JST STAR | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS |
| LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSEE | COLONY DAT OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSEF | ORED BLACKBIRD PORT HAD BEEN REMOVED B' LY REPORTED IN THE VI RVED ON 5 MAY 1971; JU | AL; SITE Y 1972. PC CINITY BY JST STAR | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSED STILL EMPTY. NO COLO PLSS: T05S, R09E, Se | COLONY DAT. OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE ec. 32 (M) | A STORED IN UC DAVIS TRICOLO LL NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSER ED ON 26 MAY 1972. 0 BIRDS OBS | ORED BLACKBIRD PORT HAD BEEN REMOVED B ^N LY REPORTED IN THE VI RVED ON 5 MAY 1971; JU SERVED ON 17 APR 201 ⁷ | AL; SITE Y 1972. PC CINITY BY JST STAR | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS APR 2014. |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSEE STILL EMPTY. NO COLO PLSS: T05S, R09E, Se UTM: Zone-10 N4146 | COLONY DAT. OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE ec. 32 (M) | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSER ED ON 26 MAY 1972. 0 BIRDS OBS Accuracy: Latitude/Longitude: | ORED BLACKBIRD PORT HAD BEEN REMOVED B' LY REPORTED IN THE VI RVED ON 5 MAY 1971; JU SERVED ON 17 APR 2017 1/5 mile | AL; SITE Y 1972. PC CINITY BY JST STAR | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS APR 2014. Area (acres): 0 |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSEE STILL EMPTY. NO COLO PLSS: T05S, R09E, Se | COLONY DAT. OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE ec. 32 (M) | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSER ED ON 26 MAY 1972. 0 BIRDS OBS Accuracy: | ORED BLACKBIRD PORT HAD BEEN REMOVED B ^N LY REPORTED IN THE VI RVED ON 5 MAY 1971; JL SERVED ON 17 APR 2017 1/5 mile 37.44964 / -121.00327 | AL; SITE Y 1972. PC CINITY BY JST STAR | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS APR 2014. Area (acres): 0 |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSEE STILL EMPTY. NO COLO PLSS: T05S, R09E, Se UTM: Zone-10 N4146 County Summary: Stanislaus | COLONY DAT. OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE ec. 32 (M) | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSER ED ON 26 MAY 1972. 0 BIRDS OB Accuracy: Latitude/Longitude: Quad Summary: | ORED BLACKBIRD PORT HAD BEEN REMOVED B ^N LY REPORTED IN THE VI RVED ON 5 MAY 1971; JL SERVED ON 17 APR 2017 1/5 mile 37.44964 / -121.00327 | AL; SITE Y 1972. PC CINITY BY JST STAR | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS APR 2014. Area (acres): 0 |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSEE STILL EMPTY. NO COLO PLSS: T05S, R09E, Se UTM: Zone-10 N4146 County Summary: Stanislaus Sources: BEE91R0001 BEED | COLONY DAT. OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE ec. 32 (M) 626 E676618 Y, E.C., S.D. SA | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSER D ON 26 MAY 1972. 0 BIRDS OBS Accuracy: Latitude/Longitude: Quad Summary: Hatch (3712048), Crow | ORED BLACKBIRD PORT HAD BEEN REMOVED B LY REPORTED IN THE VI RVED ON 5 MAY 1971; JL SERVED ON 17 APR 2017 1/5 mile 37.44964 / -121.00327 rs Landing (3712141) G STATUS, DISTRIBURTI | AL; SITE (1972. PC CINITY B UST STAR 1 AND 19 . | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS APR 2014. Area (acres): 0 |
| MAPPED GENERALLY LOCATION UNKNOWN. BRADBURY ROAD." Ecological: CATTAILS IN 3-4 FEET CROP WITH SOME RW Threats: General: A COLONY COMPOSED STILL EMPTY. NO COLO PLSS: T05S, R09E, Se UTM: Zone-10 N4146 County Summary: Stanislaus Sources: BEE91R0001 BEED TRICC HOS86U0002 HOSE | COLONY DAT. OF WATER; AL BB PRESENT I O OF ABOUT 45 ONY OBSERVE ec. 32 (M) 626 E676618 Y, E.C., S.D. SA DLORED BLACH A, R. (CALIFOF | A STORED IN UC DAVIS TRICOLO L NEW GROWTH (1971). TULES N 2014. A COLONY ADDITIONALI 50 BIRDS AND 300 NESTS OBSER ED ON 26 MAY 1972. 0 BIRDS OBS Accuracy: Latitude/Longitude: Quad Summary: Hatch (3712048), Crow ANDERS & D. BLOOM - BREEDING (BIRD (AGELAIUS TRICOLOR), 13 | ORED BLACKBIRD PORT HAD BEEN REMOVED BY LY REPORTED IN THE VI SERVED ON 5 MAY 1971; JL SERVED ON 17 APR 2017 1/5 mile 37.44964 / -121.00327 rs Landing (3712141) G STATUS, DISTRIBURTI 850-1989. 1991-06-XX | AL; SITE (1972. PC CINITY B UST STAR 1 AND 19 ON, AND | NAME "CROWS LANDING ROAD AT DOR HABITAT REPORTED IN 2011. HAY Y DEHAVEN, NO DETAILS PROVIDED. TING TO LAY 1-3 EGGS, SOME NESTS APR 2014. Area (acres): 0 Elevation (feet): 60 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 12023 | | EO Index: | 24748 |
|--|------------------|--|-----------------------|--|
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | ABPBXB0020 |
| Occurrence Number: | 71 | | Occurrence Last U | lpdated: 1989-08-10 |
| Scientific Name: Ag | gelaius tricolor | | Common Name: | tricolored blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks | : Global: | G2G3 | | CDFW_SSC-Species of Special Concern IUCN_EN-Endangered |
| | State: | S1S2 | | NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | |
| HIGHLY COLONIAL SP VICINITY. LARGELY EN | ' | IUMEROUS IN CENTRAL VALLEY IFORNIA. | | WATER, PROTECTED NESTING SUBSTRATE, & WITH INSECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1981-05-25 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1981-05-25 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | Int | | |
| Location: | | | | |
| JUNCTION OF KEYES | RD AND MUNC | Y RD, APPROX 5 MI SW OF MOD | ESTO. | |
| Detailed Location: | | | | |
| | 1355 OBS BY H | OSEA NESTING IN CATTAIL/BUL | RUSH; INCUBATION STA | AGE OF NESTING. |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| PLSS: T04S, R08E, S | · · / | Accuracy: | 1/5 mile | Area (acres): 0 |
| UTM: Zone-10 N4158 | 8012 E670007 | Latitude/Longitude: | 37.55345 / -121.07534 | Elevation (feet): 50 |
| County Summary: | | Quad Summary: | | |
| | | | | |
| Stanislaus | | Brush Lake (3712151) | | |



California Department of Fish and Wildlife



| Eu Diversity Dates | | California Natu | ral Diversity Databa | se | |
|--|-------------------|--|---------------------------|------------|--|
| Map Index Number: | 12055 | | EO Index: | | 24749 |
| Key Quad: | Brush Lake (3712 | 2151) | Element Code: | | ABPBXB0020 |
| Occurrence Number: | 72 | | Occurrence Last U | pdated: | 2015-07-27 |
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored | l blackbird |
| Listing Status: | Federal: N | lone | Rare Plant Rank: | | |
| | State: N | lone | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: G | 32G3 | | | SC-Species of Special Concern N-Endangered |
| | State: S | 31S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL SP VICINITY. LARGELY EN | , | IEROUS IN CENTRAL VALLEY DRNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1981-05-25 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2014-04-20 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Extant | | | | |
| Location: | | | | | |
| N SIDE OF MAIN AVE, | ABOUT 1.1 MI NE C | OF INTERSECTION W/ JENNIN | NGS RD, 1.5 MI NW OF IN | TXN W/ C | ARPENTER RD, NE OF PATTERSON. |
| Detailed Location: | | | | | |
| | | JNCTION OF FULKERTH AND MAIN AVE," & "ONE-HALF M | | | ALF MILES NORTHWEST OF L LOCATION LIKELY REFER TO THE SAM |
| Ecological: | | | | | |
| | | | | | STING HABITAT (2014). BIRDS OBS ON KERTH ROAD AT VIVIAN ROAD (#2)." |
| Threats: | | | | | |
| IN 1981, ONE-THIRD O | F THE MARSH WA | S BULLDOZED, DISTURBING | NESTING BIRDS. | | |
| General: | | | | | |
| | | N 5 MAY 1971. ABOUT 5,000 I MAY 1981. 0 OBS ON 17 APR | | | N ABOUT 1,000 IND. & 650 NESTS OBS C) ON 20 APR. |
| PLSS: T05S, R08E, S | ec. 14 (M) | Accuracy: | 3/5 mile | | Area (acres): 0 |
| UTM: Zone-10 N4152 | 2857 E672195 | Latitude/Longitude: | 37.50660 / -121.05179 | | Elevation (feet): 40 |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Crows Landing (371214 | 41), Brush Lake (3712151) | | |
| Sources: | | | | | |
| | | ERS & D. BLOOM - BREEDING RD (AGELAIUS TRICOLOR), 1 | | ON, AND | HABITAT ASSOCIATIONS OF THE |
| | , | I STATUS REPORT ON THE F RN CALIFORNIA. 1982-XX-XX | | PULATION | NUMBERS OF THE TRICOLORED |
| HOS86U0002 HOSE | A, R. (CALIFORNIA | A DEPARTMENT OF FISH AND |) WILDLIFE) - COMPILATI | ON, COU | NTY BY COUNTY, OF TRICOLORED |

HOSEA, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - COMPILATION, COUNTY BY COUNTY, OF TRICOLORED HOS86U0002 BLACKBIRD NESTING OBSERVATIONS 1986-XX-XX

TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX TRI14D0001



California Department of Fish and Wildlife



| | 11979 | | EO Index: | | 24746 | |
|---|--|---|---|--------------|---|---------|
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | | ABPBXB0020 | |
| Occurrence Number: | 73 | | Occurrence Last U | pdated: | 1991-07-25 | |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored b | olackbird | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Se | | |
| CNDDB Element Ran | ks: Global: | G2G3 | | | SC-Species of Special Concern Endangered | l |
| | State: | S1S2 | | NABCI_R\ | WL-Red Watch List 3CC-Birds of Conservation Con | icern |
| General Habitat: | | | Micro Habitat: | _ | | |
| HIGHLY COLONIAL S VICINITY. LARGELY E | ' | IUMEROUS IN CENTRAL VALLE' LIFORNIA. | | | OTECTED NESTING SUBSTR CT PREY WITHIN A FEW KM (| |
| Last Date Observed: | 1972-05-26 | | Occurrence Type: | Natural/N | ative occurrence | |
| Last Survey Date: | 1972-05-26 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| | AND KEYES RD, | APPROX 6 MI SW OF MODESTO | D . | | | |
| | | | | | | |
| Detailed Location: | | | | | | |
| Detailed Location: COLONY OF 1000 TO | 1200 OBS BY DE | E HAVEN NESTING IN BULRUSH | I. COLONY SIZE APPROX | 0.5 ACRE. | | |
| Detailed Location: COLONY OF 1000 TO Ecological: | 1200 OBS BY DE | EHAVEN NESTING IN BULRUSH | I. COLONY SIZE APPROX | 0.5 ACRE. | | |
| Detailed Location: COLONY OF 1000 TO | 9 1200 OBS BY DE | E HAVEN NESTING IN BULRUSH | I. COLONY SIZE APPROX | 0.5 ACRE. | | |
| Detailed Location: COLONY OF 1000 TO Ecological: | 9 1200 OBS BY DE | E HAVEN NESTING IN BULRUSH | I. COLONY SIZE APPROX | 0.5 ACRE. | | |
| Detailed Location: COLONY OF 1000 TO Ecological: Threats: | | E HAVEN NESTING IN BULRUSH Accuracy: | I. COLONY SIZE APPROX | 0.5 ACRE. | Area (acres): | 0 |
| Detailed Location: COLONY OF 1000 TO Ecological: Threats: General: PLSS: T04S, R08E, | | | | 0.5 ACRE. | Area (acres): Elevation (feet): | 0 50 |
| Detailed Location: COLONY OF 1000 TO Ecological: Threats: General: PLSS: T04S, R08E, | Sec. 32 (M) | Accuracy: | 1 mile | 0.5 ACRE. | | • |
| Detailed Location: COLONY OF 1000 TO Ecological: Threats: General: PLSS: T04S, R08E, UTM: Zone-10 N418 | Sec. 32 (M) | Accuracy: Latitude/Longitude: | 1 mile 37.55108 / -121.10462 | 0.5 ACRE. | | • |
| Detailed Location: COLONY OF 1000 TO Ecological: Threats: General: PLSS: T04S, R08E, UTM: Zone-10 N413 County Summary: | Sec. 32 (M) | Accuracy: Latitude/Longitude: Quad Summary: | 1 mile 37.55108 / -121.10462 | 0.5 ACRE. | | • |
| Detailed Location: COLONY OF 1000 TO Ecological: Threats: General: PLSS: T04S, R08E, UTM: Zone-10 N413 County Summary: Stanislaus Sources: BEE91R0001 BEE | Sec. 32 (M) 57696 E667426 EDY, E.C., S.D. SA | Accuracy: Latitude/Longitude: Quad Summary: | 1 mile 37.55108 / -121.10462 IG STATUS, DISTRIBURTI | | Elevation (feet): | 50 |



California Department of Fish and Wildlife



| W. DIVERSITY DAY | | | | | | |
|---|--|---|--|---|---|--|
| Map Index Number: | 11926 | | EO Index: | | 11814 | |
| Key Quad: | Ripon (3712 ² | 162) | Element Code: | | ABPBXB0020 | |
| Occurrence Number: | 76 | | Occurrence Last U | pdated: | 2015-07-23 | |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored | blackbird | |
| isting Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| NDDB Element Ran | ks: Global: | G2G3 | | | SC-Species of Special Concern I-Endangered | |
| | State: | S1S2 | | NABCI_R | WL-Red Watch List BCC-Birds of Conservation Conc | ern |
| General Habitat: | | | Micro Habitat: | | | |
| HIGHLY COLONIAL S VICINITY. LARGELY I | | NUMEROUS IN CENTRAL VALLE ALIFORNIA. | | | ROTECTED NESTING SUBSTR ICT PREY WITHIN A FEW KM C | |
| ast Date Observed: | 1971-05-05 | | Occurrence Type: | Natural/ | Native occurrence | |
| ast Survey Date: | 2014-04-20 | | Occurrence Rank: | Unknow | n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | Presumed Ext | tant | | | | |
| ti - u - | | | | | | |
| location: | | | | | | |
| | APPROX 7 MI W | V OF MODESTO. | | | | |
| ALONG MAZE BLVD, | APPROX 7 MI W | V OF MODESTO. | | | | |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA | TION DESCRIBE | V OF MODESTO. ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED | | | | |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED | TION DESCRIBE | ED AS "ALONG SOUTH SIDE OF N | | | | |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND | TION DESCRIBE FROM, EXACT WITH CATTAIL A | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE | BY CNDDB AS BEST GU | ESS, MEAS | SURED 7 MI FROM HWY 99 IN | MODESTO. |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI | TION DESCRIBE FROM, EXACT WITH CATTAIL A | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED | BY CNDDB AS BEST GU | ESS, MEAS | SURED 7 MI FROM HWY 99 IN | MODESTO. |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI | TION DESCRIBE FROM, EXACT WITH CATTAIL A | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE | BY CNDDB AS BEST GU | ESS, MEAS | SURED 7 MI FROM HWY 99 IN | MODESTO. |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI Threats: General: APPROXIMATELY 1,5 | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE | 9 BY CNDDB AS BEST GUI 2D PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB 1 | ESS, MEA | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C | MODESTO. Y DATA PLD, 60 |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI Threats: General: APPROXIMATELY 1, PERCENT OF NESTS | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 5000 INDIVIDUALS WERE EMPTY | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF | 9 BY CNDDB AS BEST GUI 2D PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB 1 | ESS, MEA | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C | MODESTO. Y DATA PLD, 60 |
| MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI Inreats: General: APPROXIMATELY 1,5 PERCENT OF NESTS PLSS: T03S, R08E, | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 5000 INDIVIDUALS WERE EMPTY | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF OR W/ YOUNG, 40 PERC. CONTA | BY CNDDB AS BEST GUI D PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB I NRED 2-3 EGGS. DEAD YC | ESS, MEA | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C JND ON GROUND. 0 OBS ON 2 | MODESTO. Y DATA PLD, 60 0 APR 2014 |
| ALONG MAZE BLVD, Detailed Location: 971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI Threats: General: APPROXIMATELY 1, PERCENT OF NESTS PLSS: T03S, R08E, JTM: Zone-10 N41 | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 500 INDIVIDUALS WERE EMPTY Sec. 31 (M) | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF OR W/ YOUNG, 40 PERC. CONTA Accuracy: | 9 BY CNDDB AS BEST GUI ED PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB I NRED 2-3 EGGS. DEAD YO 1 mile | ESS, MEA | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C JND ON GROUND. 0 OBS ON 2 Area (acres): | MODESTO. Y DATA 9LD, 60 0 APR 2014 0 |
| ALONG MAZE BLVD, Detailed Location: 971 COLONY LOCA MILES IS MEASURED Cological: CALT MARSH POND TORED IN UC DAVI Threats: Ceneral: PPROXIMATELY 1, PERCENT OF NESTS PLSS: T03S, R08E, JTM: Zone-10 N41 County Summary: | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 500 INDIVIDUALS WERE EMPTY Sec. 31 (M) | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF OR W/ YOUNG, 40 PERC. CONTA Accuracy: Latitude/Longitude: Quad Summary: | 9 BY CNDDB AS BEST GUI ED PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB I NRED 2-3 EGGS. DEAD YO 1 mile | ESS, MEAS | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C JND ON GROUND. 0 OBS ON 2 Area (acres): Elevation (feet): | MODESTO. Y DATA 9LD, 60 0 APR 2014 0 |
| ALONG MAZE BLVD, Detailed Location: 971 COLONY LOCA MILES IS MEASURED Scological: SALT MARSH POND STORED IN UC DAVI Threats: Seneral: APPROXIMATELY 1, PERCENT OF NESTS PLSS: T03S, R08E, JTM: Zone-10 N41 County Summary: Stanislaus | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 500 INDIVIDUALS WERE EMPTY Sec. 31 (M) | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF OR W/ YOUNG, 40 PERC. CONTA Accuracy: Latitude/Longitude: Quad Summary: | 9 BY CNDDB AS BEST GUI ED PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB I NNED 2-3 EGGS. DEAD YO 1 mile 37.63790 / -121.13039 | ESS, MEAS | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C JND ON GROUND. 0 OBS ON 2 Area (acres): Elevation (feet): | MODESTO. Y DATA 9LD, 60 0 APR 2014 0 |
| ALONG MAZE BLVD, Detailed Location: 971 COLONY LOCA AILES IS MEASURED Scological: SALT MARSH POND STORED IN UC DAVI Threats: Seneral: APPROXIMATELY 1, PERCENT OF NESTS PLSS: T03S, R08E, JTM: Zone-10 N41 County Summary: Stanislaus Sources: BEE91R0001 BEE | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 500 INDIVIDUALS WERE EMPTY Sec. 31 (M) 67285 E664957 | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF OR W/ YOUNG, 40 PERC. CONTA Accuracy: Latitude/Longitude: Quad Summary: | BY CNDDB AS BEST GUI D PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB I NRED 2-3 EGGS. DEAD YC 1 mile 37.63790 / -121.13039 , Westley (3712152), Salida | ESS, MEAS OF COLO FEEDING DUNG FOU | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C JND ON GROUND. 0 OBS ON 2 Area (acres): Elevation (feet):), Ripon (3712162) | MODESTO. Y DATA 9LD, 60 0 APR 2014 0 45 |
| ALONG MAZE BLVD, Detailed Location: 1971 COLONY LOCA MILES IS MEASURED Ecological: SALT MARSH POND STORED IN UC DAVI Threats: General: APPROXIMATELY 1, PERCENT OF NESTS PLSS: T03S, R08E, JTM: Zone-10 N41 County Summary: Stanislaus Sources: BEE91R0001 BEE TRI HOS86U0002 HOS | TION DESCRIBE D FROM, EXACT WITH CATTAIL A S TRBL PORTAL 500 INDIVIDUALS WERE EMPTY Sec. 31 (M) 67285 E664957 EDY, E.C., S.D. S COLORED BLAC SEA, R. (CALIFO | ED AS "ALONG SOUTH SIDE OF M LOCATION UNKNOWN. MAPPED AND BULRUSH BY NONIRRIGATE .; SITE "MAIZE BOULEVARD." S AND 900 NESTS OBSERVED OF OR W/ YOUNG, 40 PERC. CONTA Accuracy: Latitude/Longitude: Quad Summary: Brush Lake (3712151) GANDERS & D. BLOOM - BREEDIN | BY CNDDB AS BEST GUI D PASTURE (1971). SIZE N 5 MAY 1971; BIRDS OB I NNED 2-3 EGGS. DEAD YO 1 mile 37.63790 / -121.13039 , Westley (3712152), Salida | ESS, MEAS OF COLO FEEDING OUNG FOU | SURED 7 MI FROM HWY 99 IN NY ABOUT 0.75 ACRE. COLON YOUNG THAT WERE 6 DAYS C JND ON GROUND. 0 OBS ON 2 Area (acres): Elevation (feet):), Ripon (3712162) | MODESTO. Y DATA 0 APR 2014 0 45 HE |



California Department of Fish and Wildlife



| Map Index Number: | 12155 | | EO Index: | | 24744 | |
|--|---|--|--|--|---|--|
| Key Quad: | Crows Landir | ng (3712141) | Element Code: | | ABPBXB0020 | |
| Occurrence Number: | 77 | | Occurrence Last U | pdated: | 2015-07-27 | |
| Scientific Name: Ag | elaius tricolor | | Common Name: | tricolored | l blackbird | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | : Global: | G2G3 | | | SSC-Species of Special Concerr N-Endangered | 1 |
| | State: | S1S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Cor | ncern |
| General Habitat: | | | Micro Habitat: | - | - | |
| HIGHLY COLONIAL SPE VICINITY. LARGELY EN | | NUMEROUS IN CENTRAL VALLEY LIFORNIA. | | | ROTECTED NESTING SUBSTI ECT PREY WITHIN A FEW KM | |
| Last Date Observed: | 1974-06-05 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 2014-04-19 | | Occurrence Rank: | None | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Possibly Extirp | pated | | | | |
| | IN AVE & CAR | PENTER RD INTERSECTION, 2 M | I N OF HARDING RD & CI | ROWS LA | NDING RD INTXN, W OF HATC | CH. |
| Detailed Location: MAPPED TO PROVIDEE ROADS." EXACT LOCA ⁻ Ecological: CATTAIL MARSH (1935) | D LOCATION D FION UNKNOV 1. TULES (1971 | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 | . VIEW SCHOOL" AND "J IAVE BEEN A SEPARATE 011. HARVESTED HAY C | UNCTION COLON | OF WEST MAIN AND CROWS | LANDING |
| Detailed Location: MAPPED TO PROVIDED ROADS." EXACT LOCA ⁻ Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLOM | D LOCATION D FION UNKNOV 1. TULES (1971 | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H | . VIEW SCHOOL" AND "J IAVE BEEN A SEPARATE 011. HARVESTED HAY C | UNCTION COLON | OF WEST MAIN AND CROWS | LANDING |
| Detailed Location: MAPPED TO PROVIDEL ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: | D LOCATION D FION UNKNOV 1. TULES (1971 | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 | . VIEW SCHOOL" AND "J IAVE BEEN A SEPARATE 011. HARVESTED HAY C | UNCTION COLON | OF WEST MAIN AND CROWS | LANDING |
| Detailed Location: MAPPED TO PROVIDEE ROADS." EXACT LOCA ⁻ Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 | D LOCATION D FION UNKNOW D. TULES (1971 NY PRESUMED 15 MAY 1935. 1 | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 | . VIEW SCHOOL" AND "J JAVE BEEN A SEPARATE D11. HARVESTED HAY C SOME YOUNG ALREADY | UNCTION COLONY ROP, SOM | DOF WEST MAIN AND CROWS | ELANDING |
| Detailed Location: MAPPED TO PROVIDED ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 FLEDGLING OBS ON 9 | D LOCATION D FION UNKNOW 1. TULES (1971 NY PRESUMED 15 MAY 1935. 1 & 17 MAY. 0 B | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; | . VIEW SCHOOL" AND "J JAVE BEEN A SEPARATE D11. HARVESTED HAY C SOME YOUNG ALREADY | UNCTION COLONY ROP, SOM | DOF WEST MAIN AND CROWS | LANDING |
| Detailed Location: MAPPED TO PROVIDED ROADS." EXACT LOCAT Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 FLEDGLING OBS ON 9 PLSS: T05S, R09E, Se | D LOCATION D FION UNKNOW D. TULES (1971 NY PRESUMED 15 MAY 1935. 1 & 17 MAY. 0 B 20. 20 (M) | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; 1 IRDS OBS ON 26 MAY 1972. 500 F | . VIEW SCHOOL" AND "J JAVE BEEN A SEPARATE D11. HARVESTED HAY C SOME YOUNG ALREADY POSSIBLY FEEDING YOU 1 mile | UNCTION COLONY ROP, SOM | DOF WEST MAIN AND CROWS ME NON-HARVESTED HAY IN A D, NESTS HAD EGGS. FRESH JUN 1974. 0 IN 2011 & 2014. | ELANDING ADJACENT CLUTCHES 0 |
| Detailed Location: MAPPED TO PROVIDEL ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 FLEDGLING OBS ON 9 PLSS: T05S, R09E, Se UTM: Zone-10 N4151 | D LOCATION D FION UNKNOW D. TULES (1971 NY PRESUMED 15 MAY 1935. 1 & 17 MAY. 0 B 20. 20 (M) | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; IRDS OBS ON 26 MAY 1972. 500 F Accuracy: Latitude/Longitude: | . VIEW SCHOOL" AND "J JAVE BEEN A SEPARATE D11. HARVESTED HAY C SOME YOUNG ALREADY POSSIBLY FEEDING YOU 1 mile | UNCTION COLONY ROP, SOM | DOF WEST MAIN AND CROWS ME NON-HARVESTED HAY IN D, NESTS HAD EGGS. FRESH JUN 1974. 0 IN 2011 & 2014. Area (acres): | LANDING ADJACENT CLUTCHES 0 |
| Detailed Location: MAPPED TO PROVIDE ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 | D LOCATION D FION UNKNOW D. TULES (1971 NY PRESUMED 15 MAY 1935. 1 & 17 MAY. 0 B 20. 20 (M) | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; IRDS OBS ON 26 MAY 1972. 500 F Accuracy: Latitude/Longitude: Quad Summary: | . VIEW SCHOOL" AND "J JAVE BEEN A SEPARATE D11. HARVESTED HAY C SOME YOUNG ALREADY POSSIBLY FEEDING YOU 1 mile 37.49240 / -121.00208 | UNCTION COLONY ROP, SOM FLEDGE NG ON 5 | DOF WEST MAIN AND CROWS ME NON-HARVESTED HAY IN D, NESTS HAD EGGS. FRESH JUN 1974. 0 IN 2011 & 2014. Area (acres): | ELANDING ADJACENT CLUTCHES 0 |
| Detailed Location: MAPPED TO PROVIDEL ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 FLEDGLING OBS ON 9 PLSS: T05S, R09E, Se UTM: Zone-10 N4151 County Summary: Stanislaus | D LOCATION D FION UNKNOW D. TULES (1971 NY PRESUMED 15 MAY 1935. 1 & 17 MAY. 0 B 20. 20 (M) | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; IRDS OBS ON 26 MAY 1972. 500 F Accuracy: Latitude/Longitude: Quad Summary: | . VIEW SCHOOL" AND "J JAVE BEEN A SEPARATE D11. HARVESTED HAY C SOME YOUNG ALREADY POSSIBLY FEEDING YOU 1 mile 37.49240 / -121.00208 | UNCTION COLONY ROP, SOM FLEDGE NG ON 5 | DOF WEST MAIN AND CROWS ME NON-HARVESTED HAY IN D, NESTS HAD EGGS. FRESH JUN 1974. 0 IN 2011 & 2014. Area (acres): Elevation (feet): | LANDING ADJACENT CLUTCHES 0 |
| Detailed Location: MAPPED TO PROVIDEL ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 FLEDGLING OBS ON 9 PLSS: T05S, R09E, Se UTM: Zone-10 N4151 County Summary: Stanislaus Sources: BEE91R0001 BEED | D LOCATION D FION UNKNOW 1. TULES (1971 NY PRESUMED 15 MAY 1935. 1 8. 17 MAY. 0 Bl 26. 20 (M) 373 E676622 Y, E.C., S.D. S/ | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; IRDS OBS ON 26 MAY 1972. 500 F Accuracy: Latitude/Longitude: Quad Summary: | SOME YOUNG ALREADY SOME YOUNG ALREADY OSSIBLY FEEDING YOU 1 mile 37.49240 / -121.00208 | UNCTION COLONY ROP, SOM FLEDGE NG ON 5 | OF WEST MAIN AND CROWS ME NON-HARVESTED HAY IN A D, NESTS HAD EGGS. FRESH JUN 1974. 0 IN 2011 & 2014. Area (acres): Elevation (feet): 11), Brush Lake (3712151) | adjacent CLUTCHES 0 60 |
| Detailed Location: MAPPED TO PROVIDEL ROADS." EXACT LOCA Ecological: CATTAIL MARSH (1935) FIELDS IN 2014. COLON Threats: General: ~2.5K NESTS OBS ON 1 FLEDGLING OBS ON 9 PLSS: T05S, R09E, Se UTM: Zone-10 N4151 County Summary: Stanislaus Sources: BEE91R0001 BEED TRICC HOS86U0002 HOSE | D LOCATION D FION UNKNOW 1. TULES (1971 NY PRESUMEE 15 MAY 1935. 1 8. 17 MAY. 0 Bl 26. 20 (M) 373 E676622 Y, E.C., S.D. S/ DLORED BLAC A, R. (CALIFOF | DESCRIPTIONS OF "WEST OF MT V, 1935 MT. VIEW COLONY MAY H 1-1974). POOR HABITAT OBS IN 20 D EXTIRPATED BY BEEDY (1991). 1971: ~1K BIRDS OBS ON 5 MAY; IRDS OBS ON 26 MAY 1972. 500 F Accuracy: Latitude/Longitude: Quad Summary: Hatch (3712048), Ceres ANDERS & D. BLOOM - BREEDING | C VIEW SCHOOL" AND "J HAVE BEEN A SEPARATE O11. HARVESTED HAY C SOME YOUNG ALREADY POSSIBLY FEEDING YOU 1 mile 37.49240 / -121.00208 s (3712058), Crows Landir G STATUS, DISTRIBURTI 350-1989. 1991-06-XX | UNCTION COLONY ROP, SOM FLEDGE NG ON 5 | DOF WEST MAIN AND CROWS ME NON-HARVESTED HAY IN A D, NESTS HAD EGGS. FRESH JUN 1974. 0 IN 2011 & 2014. Area (acres): Elevation (feet): 11), Brush Lake (3712151) HABITAT ASSOCIATIONS OF | ELANDING ADJACENT CLUTCHES 0 60 THE |



California Department of Fish and Wildlife



| Key Quad: Par Occurrence Number: 79 Scientific Name: Agelaid Listing Status: CNDDB Element Ranks: General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197. | us tricolor Federal: None State: None Global: G2G3 State: S1S2 | | EO Index: Element Code: Occurrence Last U Common Name: Rare Plant Rank: Other Lists: Micro Habitat: | tricolored I BLM_S-Se CDFW_SS IUCN_EN- NABCI_R\ | ensitive SC-Species of Special Concerr -Endangered WL-Red Watch List | <u> </u> |
|--|--|-----------------------|---|---|---|------------|
| Occurrence Number: 79 Scientific Name: Agelaid Listing Status: CNDDB Element Ranks: General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197 | us tricolor Federal: None State: None Global: G2G3 State: S1S2 | | Occurrence Last U Common Name: Rare Plant Rank: Other Lists: | tricolored I BLM_S-Se CDFW_SS IUCN_EN- NABCI_R\ | 2015-07-28 blackbird ensitive SC-Species of Special Concerr Endangered WL-Red Watch List | <u> </u> |
| Scientific Name: Agelaid Listing Status: CNDDB Element Ranks: General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197 | us tricolor Federal: None State: None Global: G2G3 State: S1S2 | | Common Name: Rare Plant Rank: Other Lists: | tricolored I BLM_S-Se CDFW_SS IUCN_EN- NABCI_R\ | blackbird ensitive SC-Species of Special Concerr Endangered WL-Red Watch List | <u></u> |
| Listing Status: CNDDB Element Ranks: General Habitat: HIGHLY COLONIAL SPECIE VICINITY, LARGELY ENDEM Last Date Observed: 197 | Federal: None State: None Global: G2G3 State: S1S2 | | Rare Plant Rank: Other Lists: | BLM_S-Se CDFW_SS IUCN_EN- NABCI_R\ | ensitive SC-Species of Special Concerr -Endangered WL-Red Watch List | 1 |
| CNDDB Element Ranks: General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197 | State: None Global: G2G3 State: S1S2 | | Other Lists: | CDFW_SS IUCN_EN- NABCI_R\ | SC-Species of Special Concerr -Endangered WL-Red Watch List | ١ |
| CNDDB Element Ranks: General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197 | Global: G2G3 State: S1S2 | | | CDFW_SS IUCN_EN- NABCI_R\ | SC-Species of Special Concerr -Endangered WL-Red Watch List | ١ |
| General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEN Last Date Observed: 197 | State: S1S2 | | Micro Habitat | IUCN_EN- NABCI_R\ | -Endangered WL-Red Watch List | า |
| General Habitat: HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197 | S, MOST NUMEROU | | Micro Habitat: | NABCI_R\ | WL-Red Watch List | |
| HIGHLY COLONIAL SPECIE VICINITY. LARGELY ENDEM Last Date Observed: 197 | | | Micro Habitat: | _ | 3CC-Birds of Conservation Cor | ncern |
| VICINITY. LARGELY ENDEM | | | WICLU Habitat. | | | |
| | | | | | OTECTED NESTING SUBST CT PREY WITHIN A FEW KM | |
| | 2-05-25 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: 197 | 2-05-25 | | Occurrence Rank: | Unknown | I | |
| Owner/Manager: UN | KNOWN | | Trend: | Unknown | I | |
| Presence: Pres | sumed Extant | | | | | |
| Location: | | | | | | |
| ABOUT 2 MILES W OF PATT | TERSON, E OF I-5, A | BOUT 2.5 MILES NNW | OF MARSHALL RD & WAF | RD AVE INT | FERSECTION. | |
| Detailed Location: | | | | | | |
| MAPPED GENERALLY TO P DESCRIBED AS ONE MILE I | | | | | PATTERSON." LOCATION A | DDITIONALI |
| Ecological: | | | | | | |
| CATTAIL MARSH; WATER 1 | -1.5 FEET DEEP. SIZ | E OF COLONY APPRC | XIMATELY 0.1 ACRE. | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| A COLONY COMPOSED OF FLEDGE. | 1,200-1,500 BIRDS A | AND 800-1,000 NESTS (| OBSERVED ON 25 MAY 1 | 972 (DEHA | VEN); YOUNG JUST BEGINN | ING TO |
| PLSS: T05S, R07E, Sec. 2 | 6 (M) | Accuracy: | 1 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4148406 | E662307 | Latitude/Longitude: | 37.46830 / -121.16459 | | Elevation (feet): | 200 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Patterson (3712142) | | | | |
| Sources: | | | | | | |



California Department of Fish and Wildlife



| HI DIVERSITI DATA | | California Natu | ral Diversity Databa | se | | |
|---|--|---|---|----------------------|--|--------------------------|
| Map Index Number: | 11898 | | EO Index: | | 24741 | |
| Key Quad: | Patterson (3712142) | | Element Code: | | ABPBXB0020 | |
| Occurrence Number: | 80 | | Occurrence Last U | pdated: | 2015-07-28 | |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored | blackbird | |
| Listing Status: | Federal: None | | Rare Plant Rank: | | | |
| | State: None | | Other Lists: | BLM_S-S | | |
| CNDDB Element Ran | ks: Global: G2G3 | | | | SC-Species of Special Concer I-Endangered | 'n |
| | State: S1S2 | | | NABCI_R | WL-Red Watch List BCC-Birds of Conservation Co | oncern |
| General Habitat: | | | Micro Habitat: | | | |
| | PECIES, MOST NUMERO ENDEMIC TO CALIFORNIA | | | | ROTECTED NESTING SUBST CT PREY WITHIN A FEW KM | |
| Last Date Observed: | 1971-05-11 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 2014-04-11 | | Occurrence Rank: | None | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | Possibly Extirpated | | | | | |
| SPERRY AVE, MEAS Ecological: HABITAT CONSISTEI ACRE.WATER 1-2 FE Threats: CATTAILS HAD BEEN General: A COLONY OF ~1,250 | URED 2 ROAD MI S ALON D OF A TULE-LINED DRAII ET DEEP. SITE DID NOT / N PLOWED UNDER AND D D BIRDS & 500-700 NESTS 979; 500 NESTLINGS BAN | G I-5. COLONY DATA S NAGE DITCH ALONG FR APPEAR SUITABLE FOR RAINAGE DITCHES DUG | TORED IN UC DAVIS TRB REEWAY IN NONIRRIGATI NESTING IN 2014. G (1972). R 1971, MOST NESTS COI | L PORTAL ED GRASS | T." PATTERSON EXIT PRESU ; SITE "INTERSTATE 5 AT PA SLAND (1971). COLONY SIZE 4 EGGS. BIRDS ALMOST REA 1972. 0 OBS ON 11 APR 2015 Area (acres): | ATTERSON ~1 ADY TO |
| , , | 45073 E662700 | Latitude/Longitude: | 37.43820 / -121.16089 | | Elevation (feet): | 200 |
| | | U | | | | |
| County Summary: | | Quad Summary: | | | | |
| Ctoniolouro | | Patterson (3712142) | | | | |
| | | | | | | |
| Sources: BEE91R0001 BEE | | | | ON, AND H | HABITAT ASSOCIATIONS OF | THE |
| TRI HOS86U0002 HOS | COLORED BLACKBIRD (A | GELAIUS TRICOLOR), 1 PARTMENT OF FISH ANI | 850-1989. 1991-06-XX | | HABITAT ASSOCIATIONS OF | |



California Department of Fish and Wildlife



| Map Index Number: | 12109 | | EO Index: | | 5633 |
|--|-----------------------|---|-----------------------------------|--------------|--|
| Key Quad: | Crows Landin | g (3712141) | Element Code: | | ABPBXB0020 |
| Occurrence Number: | 87 | | Occurrence Last U | pdated: | 1993-12-13 |
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored b | blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-Se | |
| CNDDB Element Rank | s: Global: | G2G3 | | | C-Species of Special Concern Endangered |
| | State: | S1S2 | | NABCI_RV | WL-Red Watch List CC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL SP VICINITY. LARGELY EI | | NUMEROUS IN CENTRAL VALLE' LIFORNIA. | | | OTECTED NESTING SUBSTRATE, & CT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 197X-XX-XX | | Occurrence Type: | Natural/N | ative occurrence |
| Last Survey Date: | 197X-XX-XX | | Occurrence Rank: | Unknown | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | |
| Presence: | Presumed Exta | ant | | | |
| | | | | | |
| Location: | | | | | |
| | ON OF CROWS | LANDING RD AND CARPENTER I | RD, APPROX 4.5 MI NE C | ROWS LAN | DING. |
| ONE MI N OF JUNCTIC | ON OF CROWS | LANDING RD AND CARPENTER | RD, APPROX 4.5 MI NE C | ROWS LAN | DING. |
| ONE MI N OF JUNCTIC Detailed Location: COLONY OBS BY DE F | | LANDING RD AND CARPENTER | RD, APPROX 4.5 MI NE CI | ROWSLAN | DING. |
| ONE MI N OF JUNCTIC Detailed Location: COLONY OBS BY DE H Ecological: | | LANDING RD AND CARPENTER | RD, APPROX 4.5 MI NE Cl | ROWS LAN | DING. |
| ONE MI N OF JUNCTIC Detailed Location: COLONY OBS BY DE F Ecological: Threats: | | LANDING RD AND CARPENTER | RD, APPROX 4.5 MI NE Cl | ROWSLAN | DING. |
| ONE MI N OF JUNCTIC Detailed Location: COLONY OBS BY DE F Ecological: Threats: | | LANDING RD AND CARPENTER | RD, APPROX 4.5 MI NE Cl | ROWSLAN | DING. |
| ONE MI N OF JUNCTIC Detailed Location: COLONY OBS BY DE F Ecological: Threats: General: | HAVEN. | LANDING RD AND CARPENTER I | RD, APPROX 4.5 MI NE Cl 1 mile | ROWS LAN | DING. Area (acres): 0 |
| ONE MI N OF JUNCTIO Detailed Location: COLONY OBS BY DE F Ecological: Threats: General: PLSS: T06S, R09E, S | HAVEN. Sec. 06 (M) | | | ROWSLAN | |
| ONE MI N OF JUNCTIC Detailed Location: COLONY OBS BY DE F Ecological: Threats: General: PLSS: T06S, R09E, S UTM: Zone-10 N414 | HAVEN. Sec. 06 (M) | Accuracy: | 1 mile | ROWS LAN | Area (acres): 0 |
| Detailed Location: COLONY OBS BY DE H Ecological: Threats: General: PLSS: T06S, R09E, S | HAVEN. Sec. 06 (M) | Accuracy: Latitude/Longitude: | 1 mile 37.44576 / -121.01965 | ROWS LAN | Area (acres) : 0 |



California Department of Fish and Wildlife



| Map Index Number: Key Quad: Occurrence Number: | 12095 Hatch (371204 88 | 18) | EO Index: Element Code: Occurrence Last U | 24737 ABPBXB0020 pdated: 2015-08-14 |
|--|---|---|---|--|
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Rank | s: Global: | G2G3 | | CDFW_SSC-Species of Special Concern IUCN EN-Endangered |
| | State: | S1S2 | | NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | |
| HIGHLY COLONIAL SP VICINITY. LARGELY EI | | UMEROUS IN CENTRAL VALLE IFORNIA. | | WATER, PROTECTED NESTING SUBSTRATE, & WITH INSECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1974-XX-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1974-XX-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| | | | | |
| U U | Presumed Exta | nt | | |
| Presence: | Presumed Exta | nt | | |
| Presence: Location: | | | E OF RIVER RD & CROW | S LANDING RD INTERSECTION, HILLS FERRY. |
| Presence: Location: ~1.1 MI NNW OF RIVE | | | E OF RIVER RD & CROW | 'S LANDING RD INTERSECTION, HILLS FERRY. |
| Presence: Location: ~1.1 MI NNW OF RIVE! Detailed Location: PROVIDED LOCATION | R RD & AZEVED | O RD INTERSECTION, 3.5 MI SS | | 'S LANDING RD INTERSECTION, HILLS FERRY. MAPPED TO APPROXIMATELY 3.5 ROAD MILES |
| Presence: Location: ~1.1 MI NNW OF RIVE Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO | R RD & AZEVED | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH | | |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: | R RD & AZEVED | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH | | |
| Presence: Location: ~1.1 MI NNW OF RIVE Detailed Location: PROVIDED LOCATION | R RD & AZEVED | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH | | |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. | RIVER RDS JUNCTION." I | MAPPED TO APPROXIMATELY 3.5 ROAD MILES |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH | RIVER RDS JUNCTION." I | MAPPED TO APPROXIMATELY 3.5 ROAD MILES |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: A BREEDING COLONY | R RD & AZEVED WAS "3.5 MI S (OM JUNCTION W | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. | RIVER RDS JUNCTION." I | MAPPED TO APPROXIMATELY 3.5 ROAD MILES |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: A BREEDING COLONY PLSS: T06S, R09E, S | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W OBSERVED BY Sec. 33 (M) | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. | RIVER RDS JUNCTION." I EN 1969-1974; EXACT DA | MAPPED TO APPROXIMATELY 3.5 ROAD MILES |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: A BREEDING COLONY PLSS: T06S, R09E, S UTM: Zone-10 N413 | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W OBSERVED BY Sec. 33 (M) | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. DEHAVEN SOMETIME BETWEE Accuracy: | RIVER RDS JUNCTION." I EN 1969-1974; EXACT DA 2/5 mile | MAPPED TO APPROXIMATELY 3.5 ROAD MILES TE UNKNOWN. Area (acres): 0 |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: A BREEDING COLONY PLSS: T06S, R09E, S UTM: Zone-10 N413 County Summary: | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W OBSERVED BY Sec. 33 (M) | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. DEHAVEN SOMETIME BETWEE Accuracy: Latitude/Longitude: Quad Summary: | RIVER RDS JUNCTION." I EN 1969-1974; EXACT DA 2/5 mile 37.37520 / -120.99469 | MAPPED TO APPROXIMATELY 3.5 ROAD MILES TE UNKNOWN. Area (acres): 0 |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: A BREEDING COLONY PLSS: T06S, R09E, S | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W OBSERVED BY Sec. 33 (M) | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. DEHAVEN SOMETIME BETWEE Accuracy: Latitude/Longitude: Quad Summary: | RIVER RDS JUNCTION." I EN 1969-1974; EXACT DA 2/5 mile 37.37520 / -120.99469 | MAPPED TO APPROXIMATELY 3.5 ROAD MILES TE UNKNOWN. Area (acres): 0 Elevation (feet): 70 |
| Presence: Location: ~1.1 MI NNW OF RIVER Detailed Location: PROVIDED LOCATION ALONG RIVER RD FRO Ecological: CATTAILS. Threats: General: A BREEDING COLONY PLSS: T06S, R09E, S UTM: Zone-10 N413: County Summary: Stanislaus Sources: | R RD & AZEVED WAS "3.5 MI S (DM JUNCTION W OBSERVED BY Sec. 33 (M) 8382 E677553 | O RD INTERSECTION, 3.5 MI SS CROW'S LANDING AND SOUTH /ITH CROWS LANDING RD. DEHAVEN SOMETIME BETWEE Accuracy: Latitude/Longitude: Quad Summary: Gustine (3712038), Ha | RIVER RDS JUNCTION." f EN 1969-1974; EXACT DA 2/5 mile 37.37520 / -120.99469 tch (3712048), Newman (3 | MAPPED TO APPROXIMATELY 3.5 ROAD MILES TE UNKNOWN. Area (acres): 0 Elevation (feet): 70 |



California Department of Fish and Wildlife



| Map Index Number: Key Quad: Occurrence Number: | 12102 Crows Landing 89 | g (3712141) | EO Index: Element Code: Occurrence Last U | 24736 ABPBXB0020 pdated: 2015-08-14 |
|--|------------------------------|--|---|--|
| Scientific Name: Age | elaius tricolor | | Common Name: | tricolored blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks: | Global: | G2G3 | | CDFW_SSC-Species of Special Concern IUCN EN-Endangered |
| | State: | S1S2 | | NABC_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | |
| HIGHLY COLONIAL SPE VICINITY. LARGELY ENI | | IUMEROUS IN CENTRAL VALLE IFORNIA. | | WATER, PROTECTED NESTING SUBSTRATE, & WITH INSECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1974-XX-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1974-XX-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | int | | |
| Location: | | | | |
| ABOUT 2.5 MI SSE OF C | ROWS LANDI | NG RD & RIVER RD INTERSECT | ION, 3.6 MI E OF OF CRO | WS LANDING RD & HWY 33 INTXN, NE STOMAR. |
| Detailed Location: | | | | |
| | | CROW'S LANDING AND SOUTH | RIVER RDS JUNCTION." I | MAPPED TO APPROXIMATELY 2.5 ROAD MILES |
| Ecological: | | | | |
| CATTAILS. | | | | |
| Threats: | | | | |
| General: | | | | |
| A BREEDING COLONY (| DBSERVED BY | DEHAVEN SOMETIME BETWE | EN 1969-1974; EXACT DA | TE UNKNOWN. |
| PLSS: T06S, R09E, Se | c. 29 (M) | Accuracy: | 2/5 mile | Area (acres): 0 |
| UTM: Zone-10 N41397 | '06 E676630 | Latitude/Longitude: | 37.38730 / -121.00479 | Elevation (feet): 70 |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Hatch (3712048), Crov | vs Landing (3712141) | |
| Sources: | | | | |
| DEHNDU0001 DEHAV XX | ′EN, R.W PA | RTIAL LIST OF RECENT (1969-1 | 974) TRICOLORED BLACI | KBIRD BREEDING COLONY LOCATIONS. XXXX-XX- |
| | | NIA DEPARTMENT OF FISH AN G OBSERVATIONS 1986-XX-XX | D WILDLIFE) - COMPILAT | ION, COUNTY BY COUNTY, OF TRICOLORED |



California Department of Fish and Wildlife



| | | | | | - | | |
|---|--|---|---|---|--|--------------------------------|--|
| Map Index Nun | nber: | 12029 | | | EO Index: | | 24733 |
| Key Quad: | | Crows Landin | ıg (3712141) | | Element Code: | | ABPBXB0020 |
| Occurrence Nu | imber: | 90 | | | Occurrence Last Up | pdated: | 2015-07-27 |
| Scientific Name | e: Age | laius tricolor | | | Common Name: | tricolored | blackbird |
| Listing Status: | | Federal: | None | | Rare Plant Rank: | | |
| | | State: | None | | Other Lists: | BLM_S-S | |
| CNDDB Elemei | nt Ranks: | Global: | G2G3 | | | IUCN_EI | SSC-Species of Special Concern N-Endangered |
| | | State: | S1S2 | | | | RWL-Red Watch List _BCC-Birds of Conservation Concern |
| General Habita | t: | | | | Micro Habitat: | | |
| HIGHLY COLOI VICINITY. LARC | | | NUMEROUS IN CENTRAL \ LIFORNIA. | /ALLEY & | REQUIRES OPEN V FORAGING AREA V COLONY. | VATER, P VITH INSE | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Obse | erved: 1 | 932-05-14 | | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Da | ate: 2 | 014-04-20 | | | Occurrence Rank: | None | |
| Owner/Manage | e r: L | JNKNOWN | | | Trend: | Unknow | 'n |
| Presence: | F | ossibly Extirp | ated | | | | |
| Detailed Locati MAPPED TO LO | i on: DC. DESCI | RIPTIONSMA | LLER COLONY LOCATION | IDESCRIBE | ED AS "THREE MILES | EAST OF | 33 INTERSECTION, PATTERSON. F PATTERSON," LARGER COLONY |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING C | ion: DC. DESC S "NEAR P #2)." D TULES A 2014. COLONY O | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E | I DESCRIBE STORED IN | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (| EAST OF | |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING C OBSERVED NE | ion: DC. DESCI S "NEAR P #2)." D TULES A 2014. COLONY O ARBY. 0 (| RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C | LLER COLONY LOCATION COLONY." COLONY DATA . COLONIES PRESUMED E 00 NESTS OBSERVED ON N 20 APR 2014. | I DESCRIBE STORED IN EXTIRPATEI 14 MAY 193 | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (32 (NEFF 1937); A SE | EAST OF | F PATTERSON," LARGER COLONY ICKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON OLONY COMPOSED OF 10,000 NESTS |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING C OBSERVED NE PLSS: T05S, | ion: DC. DESCI S "NEAR P #2)." D TULES A 2014. COLONY O EARBY. 0 C R08E, Sec | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E 00 NESTS OBSERVED ON N 20 APR 2014. Accuracy: | I DESCRIBE STORED IN EXTIRPATEI 14 MAY 193 1 m | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (32 (NEFF 1937); A SE | EAST OF | F PATTERSON," LARGER COLONY CKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING C | ion: DC. DESC S "NEAR P #2)." D TULES A 2014. COLONY O EARBY. 0 C R08E, Sec 10 N41489 | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E 00 NESTS OBSERVED ON N 20 APR 2014. Accuracy: | I DESCRIBE STORED IN EXTIRPATE 14 MAY 19: 1 m tude: 37.4 | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (132 (NEFF 1937); A SE 111e | EAST OF | PATTERSON," LARGER COLONY ACKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON OLONY COMPOSED OF 10,000 NESTS Area (acres): 0 |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING CO OBSERVED NE PLSS: T05S, UTM: Zone-1 County Summa | ion: DC. DESC S "NEAR P #2)." D TULES A 2014. COLONY O EARBY. 0 C R08E, Sec 10 N41489 | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C | LLER COLONY LOCATION COLONY." COLONY DATA . COLONIES PRESUMED E 00 NESTS OBSERVED ON N 20 APR 2014. Accuracy: Latitude/Longit | I DESCRIBE STORED IN EXTIRPATE 14 MAY 19 1 m tude: 37.4 | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (132 (NEFF 1937); A SE 111e | EAST OF | PATTERSON," LARGER COLONY ACKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON OLONY COMPOSED OF 10,000 NESTS Area (acres): 0 |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING CO DBSERVED NE PLSS: T05S, UTM: Zone-1 County Summa Stanislaus | ion: DC. DESC S "NEAR P #2)." D TULES A 2014. COLONY O EARBY. 0 C R08E, Sec 10 N41489 | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E 00 NESTS OBSERVED ON 20 APR 2014. Accuracy: Latitude/Longit Quad Summary | I DESCRIBE STORED IN EXTIRPATE 14 MAY 19 1 m tude: 37.4 | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (132 (NEFF 1937); A SE 111e | EAST OF | PATTERSON," LARGER COLONY ACKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON OLONY COMPOSED OF 10,000 NESTS Area (acres): 0 |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING C DBSERVED NE PLSS: T05S, UTM: Zone-1 County Summa Stanislaus Sources: | CLOPSCI S "NEAR P #2)." TULES A 2014. COLONY O ARBY. 0 C R08E, Sec N N41489 ary: BEEDY, | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C 50 E670633 E.C., S.D. SA | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E 00 NESTS OBSERVED ON 0N 20 APR 2014. Accuracy: Latitude/Longit Quad Summary Crows Landing (| I DESCRIBE STORED IN EXTIRPATEI 14 MAY 19: 1 m tude: 37.4 7: (3712141) EEDING ST | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (132 (NEFF 1937); A SE hile 47170 / -121.07036 | EAST OF | PATTERSON," LARGER COLONY ACKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON OLONY COMPOSED OF 10,000 NESTS Area (acres): 0 |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING CO OBSERVED NE PLSS: T05S, UTM: Zone-1 County Summa Stanislaus Sources: BEE91R0001 | DC. DESC S "NEAR P 42)." DTULES A 2014. COLONY O ARBY. 0 C R08E, Sec N N41489 ary: BEEDY, TRICOL HOSEA | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C 5. 27 (M) 50 E670633 E.C., S.D. SA ORED BLACH , R. (CALIFOF | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E 00 NESTS OBSERVED ON 0N 20 APR 2014. Accuracy: Latitude/Longit Quad Summary Crows Landing (ANDERS & D. BLOOM - BR KBIRD (AGELAIUS TRICOL | I DESCRIBE STORED IN EXTIRPATE 14 MAY 19: 1 m tude: 37.4 (3712141) EEDING ST .OR), 1850-1 SH AND WIL | ED AS "THREE MILES N UC DAVIS TRICOLO D BY BEEDY (1991). (132 (NEFF 1937); A SE hile 47170 / -121.07036 | EAST OF DRED BLA GENERAL | F PATTERSON," LARGER COLONY ACKBIRD PORTAL; SITE NAME "EAST L AREA 3 MILES E OF PATTERSON OLONY COMPOSED OF 10,000 NESTS Area (acres): 0 Elevation (feet): 45 |
| Detailed Locati MAPPED TO LO DESCRIBED AS PATTERSON (# Ecological: CATTAILS AND SURVEYED IN Threats: General: A BREEDING C OBSERVED NE PLSS: T05S, UTM: Zone-1 | DC. DESC S "NEAR P #2)." D TULES A 2014. COLONY O ARBY. 0 (R08E, Sec 0 N41489: ary: BEEDY, TRICOL HOSEA BLACKE | RIPTIONSMA ATTERSON (LONG DITCH F ABOUT 2,5 DBSERVED C 5. 27 (M) 50 E670633 E.C., S.D. S/ ORED BLACH , R. (CALIFOF BIRD NESTIN | LLER COLONY LOCATION COLONY." COLONY DATA COLONIES PRESUMED E 00 NESTS OBSERVED ON 0N 20 APR 2014. Accuracy: Latitude/Longit Quad Summary Crows Landing (ANDERS & D. BLOOM - BR KBIRD (AGELAIUS TRICOL RNIA DEPARTMENT OF FIS | I DESCRIBE STORED IN EXTIRPATEI 14 MAY 193 1 m tude: 37.4 7 (3712141) EEDING ST .OR), 1850-1 SH AND WIL X-XX | ED AS "THREE MILES NUC DAVIS TRICOLO D BY BEEDY (1991). (32 (NEFF 1937); A SE hile 47170 / -121.07036 TATUS, DISTRIBURTIO 1989. 1991-06-XX LDLIFE) - COMPILATIO | EAST OF DRED BLA GENERAL | Area (acres): 0 Elevation (feet): 45 HABITAT ASSOCIATIONS OF THE NTY BY COUNTY, OF TRICOLORED |



California Department of Fish and Wildlife



| | 96964 | | EO Index: | | 98200 | |
|---|---|--|---|------------|---|------------------|
| Key Quad: | Westley (3712 | 2152) | Element Code: | | ABPBXB0020 | |
| Occurrence Number: | 594 | | Occurrence Last U | pdated: | 2015-07-23 | |
| Scientific Name: A | Agelaius tricolor | | Common Name: | tricolored | l blackbird | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | s: Global: | G2G3 | | | SSC-Species of Special Concerr N-Endangered | 1 |
| | State: | S1S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Cor | ncern |
| General Habitat: | | | Micro Habitat: | - | - | |
| HIGHLY COLONIAL SF VICINITY. LARGELY EI | | NUMEROUS IN CENTRAL VALLEY LIFORNIA. | | | ROTECTED NESTING SUBST ECT PREY WITHIN A FEW KM | |
| Last Date Observed: | 2005-06-02 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 2005-06-02 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | USFWS-SAN J | JOAQUIN RIVER NWR | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| ABOUT 1.6 MI E OF PE | ELICAN RD & DA | AIRY RD INTERSECTION, 1.8 MI S | W OF MAZE BLVD/HWY | 132 & PAF | RADISE RD INTERSECTION. | |
| Detailed Location: | | | | | | |
| | ED IN UC DAVIS | TRICOLORED BLACKBIRD PORT | | STMAN LE | EVEE I & II." MAPPED TO LOCA | TIONS |
| | L. COLONIES LC | DCATED ON E SIDE OF SAN JOAG | | | | |
| PROVIDED IN PORTAL | L. COLONIES LC | JUATED ON E SIDE OF SAN JOAC | | | | |
| PROVIDED IN PORTAI Ecological: | | JCATED ON E SIDE OF SAN JOAC | | | | |
| PROVIDED IN PORTAI Ecological: MILK THISTLE AND MI | | JCATED ON E SIDE OF SAN JOAC | | | | |
| PROVIDED IN PORTAI Ecological: MILK THISTLE AND MI Threats: | | JCATED ON E SIDE OF SAN JOAC | | | | |
| PROVIDED IN PORTAI Ecological: MILK THISTLE AND MI Threats: General: 2 COLONIES EACH CO | USTARD. | DCATED ON E SIDE OF SAN JOAC | | DNY NOTI | ED AS SINGING AND CARRYII | NG FOOD II |
| PROVIDED IN PORTAI Ecological: MILK THISTLE AND MI Threats: General: | USTARD. DMPOSED OF AI | | | ONY NOTI | ED AS SINGING AND CARRYII Area (acres) : | NG FOOD II 33 |
| PROVIDED IN PORTAI Ecological: MILK THISTLE AND MI Threats: General: 2 COLONIES EACH CO PORTAL. PLSS: T04S, R07E, S | USTARD. DMPOSED OF AI | BOUT 100 BIRDS OBSERVED ON | 2 JUN 2005; EACH COLO | ΟΝΥ ΝΟΤΙ | | |
| PROVIDED IN PORTAL Ecological: MILK THISTLE AND MU Threats: General: 2 COLONIES EACH CO PORTAL. PLSS: T04S, R07E, S UTM: Zone-10 N416 | USTARD. DMPOSED OF AI Sec. 03 (M) | BOUT 100 BIRDS OBSERVED ON Accuracy: | 2 JUN 2005; EACH COLO nonspecific area | ΟΝΥ ΝΟΤΙ | Area (acres): | 33 |
| PROVIDED IN PORTAI Ecological: MILK THISTLE AND MI Threats: General: 2 COLONIES EACH CO PORTAL. PLSS: T04S, R07E, S | USTARD. DMPOSED OF AI Sec. 03 (M) | BOUT 100 BIRDS OBSERVED ON Accuracy: Latitude/Longitude: | 2 JUN 2005; EACH COLO nonspecific area | | Area (acres): | 33 |



California Department of Fish and Wildlife



| Map Index Number: | 96969 | | EO Index: | | 98205 |
|---|---|---|---|------------|---|
| Key Quad: | Ripon (37121 | 62) | Element Code: | | ABPBXB0020 |
| Occurrence Number: | 595 | | Occurrence Last U | pdated: | 2015-07-24 |
| Scientific Name: Ag | gelaius tricolor | | Common Name: | tricolored | l blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G2G3 | | | SC-Species of Special Concern |
| | State: | S1S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL SP VICINITY. LARGELY EN | | NUMEROUS IN CENTRAL VALLEY LIFORNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 2005-06-02 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2005-06-02 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | USFWS-SAN . | JOAQUIN RIVER NWR | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| | | | | | |
| ABOUT 1.5 MI WSW OF | MAZE BLVD/H | IWY 132 & PARADISE RD INTERS | SECTION, 1.7 MI ENE OF | PELICAN | RD & DAIRY RD INTERSECTION. |
| | MAZE BLVD/H | IWY 132 & PARADISE RD INTERS | SECTION, 1.7 MI ENE OF | PELICAN | RD & DAIRY RD INTERSECTION. |
| Detailed Location: COLONY DATA STORE | D IN UC DAVIS | TRICOLORED BLACKBIRD POR | TAL; SITE NAMES "CHRIS | | |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL | D IN UC DAVIS | | TAL; SITE NAMES "CHRIS | | |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: | ED IN UC DAVIS . COLONIES LC | TRICOLORED BLACKBIRD POR | TAL; SITE NAMES "CHRIS | | RD & DAIRY RD INTERSECTION. |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL | ED IN UC DAVIS . COLONIES LC | TRICOLORED BLACKBIRD POR | TAL; SITE NAMES "CHRIS | | |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: MILK THISTLE AND MU | ED IN UC DAVIS . COLONIES LC | TRICOLORED BLACKBIRD POR | TAL; SITE NAMES "CHRIS | | |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: MILK THISTLE AND MU Threats: General: | ED IN UC DAVIS . COLONIES LO ISTARD. ED OF APPRO) | TRICOLORED BLACKBIRD POR DCATED ON E SIDE OF SAN JOA | TAL; SITE NAMES "CHRIS QUIN RIVER. | STMAN LE | |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: MILK THISTLE AND ML Threats: General: 2 COLONIES COMPOS | ED IN UC DAVIS . COLONIES LC ISTARD. ED OF APPRO ORTAL. | TRICOLORED BLACKBIRD POR DCATED ON E SIDE OF SAN JOA | TAL; SITE NAMES "CHRIS QUIN RIVER. | STMAN LE | EVEE III & IV." MAPPED TO LOCATIONS |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: MILK THISTLE AND ML Threats: General: 2 COLONIES COMPOS CARRYING FOOD IN P | ED IN UC DAVIS . COLONIES LC JSTARD. ED OF APPRO ORTAL. ec. 34 (M) | TRICOLORED BLACKBIRD POR OCATED ON E SIDE OF SAN JOA KIMATELY 800 AND 4,000 BIRDS | TAL; SITE NAMES "CHRIS QUIN RIVER. OBSERVED ON 2 JUN 20 | STMAN LE | EVEE III & IV." MAPPED TO LOCATIONS |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: MILK THISTLE AND MU Threats: General: 2 COLONIES COMPOS CARRYING FOOD IN P PLSS: T03S, R07E, S | ED IN UC DAVIS . COLONIES LC JSTARD. ED OF APPRO ORTAL. ec. 34 (M) | TRICOLORED BLACKBIRD POR DCATED ON E SIDE OF SAN JOA KIMATELY 800 AND 4,000 BIRDS Accuracy: | TAL; SITE NAMES "CHRIS QUIN RIVER. OBSERVED ON 2 JUN 20 1/10 mile | STMAN LE | EVEE III & IV." MAPPED TO LOCATIONS COLONIES NOTED AS SINGING AND Area (acres): 0 |
| Detailed Location: COLONY DATA STORE PROVIDED IN PORTAL Ecological: MILK THISTLE AND ML Threats: General: 2 COLONIES COMPOS CARRYING FOOD IN P PLSS: T03S, R07E, S UTM: Zone-10 N4165 | ED IN UC DAVIS . COLONIES LC JSTARD. ED OF APPRO ORTAL. ec. 34 (M) | TRICOLORED BLACKBIRD POR DCATED ON E SIDE OF SAN JOA KIMATELY 800 AND 4,000 BIRDS Accuracy: Latitude/Longitude: | TAL; SITE NAMES "CHRIS QUIN RIVER. OBSERVED ON 2 JUN 20 1/10 mile 37.62600 / -121.18309 | STMAN LE | EVEE III & IV." MAPPED TO LOCATIONS COLONIES NOTED AS SINGING AND Area (acres): 0 |



California Department of Fish and Wildlife

California Natural Diversity Database



| MUDIVERSITI DEL | | California Nati | ural Diversity Databas | se | | |
|--|------------------|---|--------------------------|----------------|--|----------|
| Map Index Number: | 96975 | | EO Index: | 9 | 8210 | |
| Key Quad: | Brush Lake (3 | 3712151) | Element Code: | A | BPBXB0020 | |
| Occurrence Number: | 597 | | Occurrence Last U | pdated: 2 | 015-07-24 | |
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored bla | ackbird | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Sen | | |
| CNDDB Element Rank | s: Global: | G2G3 | | CDFW_SSC | -Species of Special Concer ndangered | n |
| | State: | S1S2 | | NABCI_RWI | Red Watch List C-Birds of Conservation Co | ncern |
| General Habitat: | | | Micro Habitat: | | | |
| HIGHLY COLONIAL SF VICINITY. LARGELY EI | | NUMEROUS IN CENTRAL VALLE LIFORNIA. | | | TECTED NESTING SUBST PREY WITHIN A FEW KM | |
| Last Date Observed: | 2005-04-23 | | Occurrence Type: | Natural/Nat | ive occurrence | |
| Last Survey Date: | 2014-04-19 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | PVT, UNKNO | WN | Trend: | Unknown | | |
| Presence: | Presumed Ext | ant | | | | |
| Location: | | | | | | |
| W SIDE OF JENNINGS | 8 RD, ~0.9 MI W | OF INTERSECTION W/ MONTE \ | /ISTA AVE, 1.8 MI NNW OF | - INTERSECT | FION W/ MAIN AVE, PATTE | RSON. |
| Detailed Location: | | | | | | |
| | | "0.9 MI W OF JENNINGS RD & M RD PORTAL; SITE NAME "MODE | | | | |
| Ecological: | | | | | | |
| NESTING IN CATTAILS | S. FORAGING IN | N SURROUNDING GRASSLANDS | . PERMISSION NEEDED T | O ENTER FA | CILITY. | |
| Threats: | | | | | | |
| General: | | | | | | |
| | | RVED ON 17 APR 1994; NEST BI VED ON 25 APR 2008, 17 APR 20 | | OUT 400 OBS | ERVED ON 23 APR 2005; F | PRESUMED |
| PLSS: T05S, R08E, S | Sec. 10 (M) | Accuracy: | 2/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N415 | 4342 E669441 | Latitude/Longitude: | 37.52050 / -121.08259 | | Elevation (feet): | 40 |
| County Summary: | | Quad Summary: | | | | |
| | | | | | | |
| Stanislaus | | Brush Lake (3712151) | | | | |

DFG04U0002 CALIFORNIA DEPARTMENT OF FISH & GAME - TRICOLORED BLACKBIRD BREEDING OBSERVATIONS 1980-2000, BIOS DS20. 2004-XX-XX

TRI14D0001 TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX



California Department of Fish and Wildlife



| | 96995 | | EO Index: | 98229 |
|---|--|--|--|--|
| Key Quad: | Crows Landin | g (3712141) | Element Code: | ABPBXB0020 |
| Occurrence Number: | 598 | | Occurrence Last U | pdated: 2015-08-13 |
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks | s: Global: | G2G3 | | CDFW_SSC-Species of Special Concern IUCN_EN-Endangered |
| | State: | S1S2 | | NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | |
| HIGHLY COLONIAL SP VICINITY. LARGELY EN | | IUMEROUS IN CENTRAL VALLE LIFORNIA. | | WATER, PROTECTED NESTING SUBSTRATE, & WITH INSECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1971-06-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 2014-04-20 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| _ocation: | | | | |
| CROWS LANDING, 3.6 | MI EAST OF FI | NK RD & I-5 INTERSECTION. | | |
| Detailed Location: | | | | |
| | | LOCATION DESCRIPTION OF 19 | | ONLY AS "CROWS LANDING." COLONY DATA |
| | | BLACKBIRD PORTAL; SITE NAM | E "CROWS LANDING." | |
| STORED IN UC DAVIS | | BLACKBIRD PORTAL; SITE NAM | E "CROWS LANDING." | |
| STORED IN UC DAVIS Ecological: | TRICOLORED E | BLACKBIRD PORTAL; SITE NAMI | E "CROWS LANDING." | |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTU | TRICOLORED E | BLACKBIRD PORTAL; SITE NAMI | E "CROWS LANDING." | |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTU Threats: | TRICOLORED E | BLACKBIRD PORTAL; SITE NAMI | E "CROWS LANDING." | |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTL Threats: General: ABOUT 8,500 BIRDS O | TRICOLORED E JRE (1971). BSERVED IN JU | JN 1971 (DEHAVEN); 1,100 FLED | | ERVED ON 20 APR 2014 DURING PRESURVEY |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTL Threats: General: | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY | JN 1971 (DEHAVEN); 1,100 FLED | | ERVED ON 20 APR 2014 DURING PRESURVEY Area (acres): 0 |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTL Threats: General: ABOUT 8,500 BIRDS O SCOUTING; GENERAL | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY Sec. 22 (M) | JN 1971 (DEHAVEN); 1,100 FLED ED. | GLINGS BANDED. 0 OBSI | |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTU Threats: General: ABOUT 8,500 BIRDS O SCOUTING; GENERAL PLSS: T06S, R08E, S | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY Sec. 22 (M) | JN 1971 (DEHAVEN); 1,100 FLED ΈD. Accuracy: | OGLINGS BANDED. 0 OBSI 1 mile | Area (acres): 0 |
| STORED IN UC DAVIS Ecological: IULE/BULRUSH MIXTU Ihreats: General: ABOUT 8,500 BIRDS O SCOUTING; GENERAL PLSS: T06S, R08E, S UTM: Zone-10 N4140 County Summary: | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY Sec. 22 (M) | JN 1971 (DEHAVEN); 1,100 FLED 'ED. Accuracy: Latitude/Longitude: | OGLINGS BANDED. 0 OBSI 1 mile 37.39360 / -121.07259 | Area (acres): 0 |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTL Threats: General: ABOUT 8,500 BIRDS O SCOUTING; GENERAL PLSS: T06S, R08E, S UTM: Zone-10 N4140 | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY Sec. 22 (M) | JN 1971 (DEHAVEN); 1,100 FLED ED. Accuracy: Latitude/Longitude: Quad Summary: | OGLINGS BANDED. 0 OBSI 1 mile 37.39360 / -121.07259 | Area (acres): 0 |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTL Threats: General: ABOUT 8,500 BIRDS O SCOUTING; GENERAL PLSS: T06S, R08E, S UTM: Zone-10 N4140 County Summary: Stanislaus Sources: BEE91R0001 BEED | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY iec. 22 (M) 0281 E670613 | JN 1971 (DEHAVEN); 1,100 FLED 'ED. Accuracy: Latitude/Longitude: Quad Summary: Crows Landing (37121 | 9GLINGS BANDED. 0 OBS 1 mile 37.39360 / -121.07259 41) 1G STATUS, DISTRIBURTI | Area (acres): 0 |
| STORED IN UC DAVIS Ecological: TULE/BULRUSH MIXTU Threats: General: ABOUT 8,500 BIRDS O SCOUTING; GENERAL PLSS: T06S, R08E, S UTM: Zone-10 N4140 County Summary: Stanislaus Sources: BEE91R0001 BEED TRICO | TRICOLORED E JRE (1971). BSERVED IN JU AREA SURVEY Sec. 22 (M) D281 E670613 | JN 1971 (DEHAVEN); 1,100 FLED 'ED. Accuracy: Latitude/Longitude: Quad Summary: Crows Landing (37121 NDERS & D. BLOOM - BREEDIN (BIRD (AGELAIUS TRICOLOR), 1 | OGLINGS BANDED. 0 OBSI 1 mile 37.39360 / -121.07259 41) IG STATUS, DISTRIBURTI 850-1989. 1991-06-XX | Area (acres): 0 Elevation (feet): 120 |



California Department of Fish and Wildlife



| Map Index Number: | 96997 | | EO Index: | | 98232 |
|---|------------------|--|--------------------------|------------------------|--|
| Key Quad: | Crows Landing | g (3712141) | Element Code: | | ABPBXB0020 |
| Occurrence Number: | 599 | | Occurrence Last U | pdated: | 2015-08-13 |
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored | l blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G2G3 | | | SSC-Species of Special Concern N-Endangered |
| | State: | S1S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL SF VICINITY. LARGELY E | , | UMEROUS IN CENTRAL VALLE IFORNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1935-05-20 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1935-05-20 | | Occurrence Rank: | None | |
| Owner/Manager: | UNKNOWN, P | /T | Trend: | Unknow | 'n |
| Presence: | Possibly Extirpa | ated | | | |
| Location: | | | | | |
| ABOUT 1.4 MILES ESE | OF FINK RD & I | -5 INTERSECTION, 2 MILES W (| OF CROWS LANDING. | | |
| Detailed Location: | | | | | |
| COLONY LOCATION D EXACT LOCATION UN | | Y AS "WEST OF CROWS LANDI | NG." MAPPED GENERALL | Y TO THE | E AREA WEST OF CROWS LANDING; |
| Ecological: | - | | | | |
| CATTAILS ALONG CAI | NAL. COLONY PI | RESUMED EXTIRPATED BY BEI | EDY (1991). | | |
| Threats: | | | | | |
| General: | | | | | |
| A BREEDING COLONY | COMPOSED OF | F ABOUT 750 NESTS OBSERVE | D ON 20 MAY 1935 (NEFF | 1937). | |
| PLSS: T06S, R08E, S | Sec. 20 (M) | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N414 | 0166 E667143 | Latitude/Longitude: | 37.39320 / -121.11179 | | Elevation (feet): 190 |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Crows Landing (37121 | 41), Patterson (3712142) | | |
| Sources: | | | | | |
| | | | | ON, AND | HABITAT ASSOCIATIONS OF THE |
| | | (BIRD (AGELAIUS TRICOLOR), 1 BIRD PORTAL - ICE (UNIVERSI) | | S) - 1007 ⁽ | 2014 TRICOLORED BLACKBIRD RECO |
| | | | | | |



California Department of Fish and Wildlife



| Map Index Nur | nber: | 91459 | | EO Index: | | 92517 | |
|--|---|---|--|---|--|---|---|
| Key Quad: | | La Grange (37 | 712064) | Element Code: | | AFCHA0209K | |
| Occurrence Nu | umber: | 22 | | Occurrence Las | st Updated: | 2014-03-28 | |
| cientific Nam | e: On | corhynchus my | kiss irideus | Common Name | : steelhead | d - Central Valley DPS | |
| isting Status: | | Federal: | Threatened | Rare Plant Rank | k : | | |
| | | State: | None | Other Lists: | AFS_TH- | Threatened | |
| NDDB Eleme | nt Ranks: | Global: | G5T2Q | | | | |
| | | State: | S2 | | | | |
| eneral Habita | at: | | | Micro Habitat: | | | |
| OPULATIONS | | ACRAMENTO | AND SAN JOAQUIN RIVI | ERS AND | | | |
| ast Date Obs | erved: 2 | 2014-01-19 | | Occurrence Typ | be: Natural/I | Native occurrence | |
| ast Survey Da | ate: 2 | 2014-01-19 | | Occurrence Rar | nk: Unknow | n | |
| wner/Manage | er: I | JNKNOWN | | Trend: | Unknow | n | |
| resence: | I | Presumed Exta | int | | | | |
| ocation: | | | | | | | |
| OWER TUOL | JMNE RIV | ER, FROM ITS | S MOUTH IN THE SAN JO | AQUIN RIVER TO LA GRANGI | E DAM (RM52 | ?). | |
| etailed Locat | ion: | | | | | | |
| | A GRANG | E DAM (BLIII T | | $T \rightarrow A A A A A A A A A A A A A A A A A A $ | | O (DM2 4) CDAVCON CINCE 100 (| (DM5 2) |
| | | | | TO ANADROMY. RSTS AT SH M DAM TO ~RM31.5. SEINES | | H TO DAM. VIDEO WEIR AT RM24 | |
| ATERFORD | | | | | | | |
| ATERFORD cological: PAWNING IN | SINCE 200 20 MI BEL | 06 (RM29.8). S .OW DAM. IN 2 | NORЌEL SURVEYS FRO 2008 OTOLITH STUDY, 10 | M DAM TO ~RM31.5. SEINES) OF 147 TROUT (6.8%) WERE | FROM MOUT | H TO DAM. VIDEO WEIR AT RM2 | UMMER |
| ATERFORD cological: PAWNING IN OPS AFTER I | SINCE 200 20 MI BEL | 06 (RM29.8). S .OW DAM. IN 2 | NORЌEL SURVEYS FRO 2008 OTOLITH STUDY, 10 | M DAM TO ~RM31.5. SEINES) OF 147 TROUT (6.8%) WERE | FROM MOUT | H TO DAM. VIDEO WEIR AT RM2 | UMMER |
| ATERFORD cological: PAWNING IN DPS AFTER I nreats: | SINCE 200 20 MI BEL BASE FLO | 06 (RM29.8). S OW DAM. IN 3 W AUGMENTA | NORЌEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S | M DAM TO ~RM31.5. SEINES) OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT | FROM MOUT E SH PROGEN TCHERY TRO | H TO DAM. VIDEO WEIR AT RM2 | 4.5. UMMER VOIRS. |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC | SINCE 200 20 MI BEL BASE FLO | 06 (RM29.8). S OW DAM. IN 3 W AUGMENTA | NORЌEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S | M DAM TO ~RM31.5. SEINES) OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT | FROM MOUT E SH PROGEN TCHERY TRO | H TO DAŴ. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER' | 4.5. UMMER VOIRS. |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: -51 SEINED, 7 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT, NG: GRAVEL SNORKEL IN | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 1(ATION STARTING 1995. S DEFICIT, PITS HARBOR DEX: ONLY 1 OBS 1987-{ | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH | ù4.5. UMMER VOIRS. HERY FIS |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT, NG: GRAVEL SNORKEL IN SOME MIGRA | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 1(ATION STARTING 1995. S DEFICIT, PITS HARBOR DEX: ONLY 1 OBS 1987-{ | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. | ù4.5. UMMER VOIRS. HERY FIS |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: -51 SEINED, 7 0) TO 56,973 LSS: T03S, | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sea | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT, NG: GRAVEL SNORKEL IN SOME MIGRA | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 1(ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-9 ATION INDICATED: RST # | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. | UMMER VOIRS. HERY FIS |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Seu 10 N41718 | 06 (RM29.8). S OW DAM. IN 3 W AUGMENT NG: GRAVEL NG: GRAVEL IN SOME MIGRA | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 04; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47058 | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, | UMMER VOIRS. HERY FIS |
| (ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: -51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- ounty Summ | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Seu 10 N41718 | 06 (RM29.8). S OW DAM. IN 3 W AUGMENT NG: GRAVEL NG: GRAVEL IN SOME MIGRA | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47054 | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 8 | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | UMMER VOIRS. HERY FIS 109 (MAR |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- county Summ tanislaus | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Seu 10 N41718 | 06 (RM29.8). S OW DAM. IN 3 W AUGMENT NG: GRAVEL NG: GRAVEL IN SOME MIGRA | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47054 7 y: 57), Ceres (3712058), La Grang | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 8 | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | 04.5. UMMER VOIRS. HERY FIS 109 (MAF 5,353 |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- ounty Summ tanislaus burces: | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sec 10 N41718 ary: | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT, NG: GRAVEL SNORKEL IN SOME MIGRA 2. 19 (M) 14 E723096 | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-9 ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summan Denair (371205 Waterford (371 | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47054 7 y: 57), Ceres (3712058), La Grang | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 #S FROM 0-1 8 ge (3712064), f rush Lake (37 | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | UMMER VOIRS. HERY FIS 109 (MAF |
| ATERFORD cological: PAWNING IN DPS AFTER I nreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- ounty Summ canislaus purces: NO05D0001 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sei 10 N41718 ary: ANONY | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT NG: GRAVEL SNORKEL IN SOME MIGRA 2. 19 (M) 14 E723096 | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summan Denair (371205 Waterford (371 | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 04; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47056 ry: 77), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 Je (3712064), (rush Lake (37) 2005-XX-XX | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | UMMER VOIRS. HERY FIS 109 (MAF |
| ATERFORD cological: PAWNING IN DPS AFTER I nreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- county Summ canislaus purces: NO05D0001 NO06D0001 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Set 10 N41718 ary: ANONY ANONY | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT NG: GRAVEL SNORKEL IN SOME MIGRA 2. 19 (M) 14 E723096 | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-6 TION INDICATED: RST # Accuracy: Latitude/Long Quad Summan Denair (371205 Waterford (371 LUMNE RIVER SEINING S LUMNE RIVER SEINING S | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47054 79: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 ge (3712064), 1 rush Lake (37 2005-XX-XX 2006-XX-XX | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | 04.5. UMMER VOIRS. HERY FIS 109 (MAF 5,353 |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- ounty Summ tanislaus purces: NO05D0001 NO06D0001 NO07D0001 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sea 10 N41718 ary: ANONY ANONY ANONY | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT NG: GRAVEL SNORKEL IN SOME MIGRA 2. 19 (M) 14 E723096 | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 Waterford (371 LUMNE RIVER SEINING S LUMNE RIVER SEINING S LUMNE RIVER SEINING S | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47058 ry: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. SURVEYS, 2006 SEINE DATA. | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 ge (3712064), (rush Lake (37) 2005-XX-XX 2006-XX-XX 2006-XX-XX | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | 04.5. UMMER VOIRS. HERY FIS 109 (MAF 5,353 |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- ounty Summ tanislaus purces: NO05D0001 NO05D0001 NO07D0001 NO08D0001 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sea 10 N41718 ary: ANONY ANONY ANONY ANONY | 06 (RM29.8). S OW DAM. IN 2 W AUGMENT/ NG: GRAVEL SNORKEL IN SOME MIGR/ c. 19 (M) 14 E723096 | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S TION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 Waterford (371 UMNE RIVER SEINING S UMNE RIVER SEINING S UMNE RIVER SEINING S UMNE RIVER SEINING S | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47054 79: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. SURVEYS, 2006 SEINE DATA. SURVEYS, 2007 SEINE DATA. | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 Je (3712064), 1 rush Lake (37' 2005-XX-XX 2006-XX-XX 2008-XX-XX | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | 04.5. UMMER VOIRS. HERY FIS 109 (MAF 5,353 |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- ounty Summ tanislaus ources: NO05D0001 NO06D0001 NO07D0001 NO08D0001 NO08D0001 NO08D0001 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sei 10 N41718 ary: ANONY ANONY ANONY ANONY ANONY | 200 (RM29.8). S 20W DAM. IN 2 W AUGMENT, NG: GRAVEL SNORKEL IN SOME MIGRA 5. 19 (M) 14 E723096 (MOUS - TUOI (MOUS - TUOI | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 Waterford (371 UMNE RIVER SEINING S UMNE RIVER SEINING | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 04; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47058 ry: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. SURVEYS, 2006 SEINE DATA. SURVEYS, 2007 SEINE DATA. SURVEYS, 2008 SEINE DATA. SURVEYS, 2010 SEINE DATA. | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 ge (3712064), 1 rush Lake (37) 2005-XX-XX 2006-XX-XX 2006-XX-XX 2008-XX-XX 2008-XX-XX | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 | 24.5. UMMER VOIRS. HERY FIS 109 (MAF 3,353 3712066) |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC eneral: 51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone-7 ounty Summ tanislaus ources: NO05D0001 NO07D0001 NO07D0001 NO08D0001 NO08D0001 NO08D0001 NO10D0001 EC11R0002 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sec 10 N41718 ary: ANONY ANONY ANONY ANONY ANONY ANONY ANONY ANONY ANONY ANONY ANONY | 2000 (RM29.8). S 2000 DAM. IN 2 2000 DAM. IN 2 2000 CRAVEL 2000 SRAVEL 2000 SR | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 Waterford (371 UMNE RIVER SEINING S LUMNE RIVER SEINING S | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 04; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47058 ry: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. SURVEYS, 2006 SEINE DATA. SURVEYS, 2007 SEINE DATA. SURVEYS, 2008 SEINE DATA. SURVEYS, 2010 SEINE DATA. | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 ge (3712064), 1 rush Lake (37 2005-XX-XX 2005-XX-XX 2006-XX-XX 2006-XX-XX 2008-XX-XX 2008-XX-XX 2010-XX-XX T THE TUOLU | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 12151), Westley (3712152) | 24.5. UMMER VOIRS. HERY FIS 109 (MAF 3,353 3712066) |
| VATERFORD Cological: PAWNING IN POPS AFTER I Chreats: DAM. LOW FLC Concernent: -51 SEINED, 7 10) TO 56,973 PLSS: T03S, | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sea 10 N41718 ary: ANONY ANONY ANONY ANONY BECKE 2011-03 CRAME | 200 (RM29.8). S 20W DAM. IN 2 W AUGMENT/ NG: GRAVEL SNORKEL IN SOME MIGRA 2. 19 (M) 14 E723096 7 MOUS - TUOI 7 MOUS - TUOI 7 7 MOUS - TUOI 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S ATION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 Waterford (371 UMNE RIVER SEINING S UMNE RIVER SEINING | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47054 77: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. SURVEYS, 2006 SEINE DATA. SURVEYS, 2007 SEINE DATA. SURVEYS, 2008 SEINE DATA. SURVEYS, 2010 SEINE DATA. MIGRATION MONITORING A | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 Je (3712064), 1 rush Lake (37' 2005-XX-XX 2005-XX-XX 2006-XX-XX 2006-XX-XX 2008-XX-XX 2010-XX-XX T THE TUOLU IIGRATION UF | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 12151), Westley (3712152) | 24.5. UMMER VOIRS. HERY FIS 109 (MAF 3,353 3712066) |
| ATERFORD cological: PAWNING IN OPS AFTER I hreats: AM. LOW FLC ieneral: -51 SEINED, 7 0) TO 56,973 LSS: T03S, TM: Zone- county Summ tanislaus ources: NO05D0001 NO06D0001 NO07D0001 NO08D0001 NO08D0001 NO08D0001 NO08D0001 NO08D0001 SO4U0001 EC11R0002 FS04U0001 | SINCE 200 20 MI BEL BASE FLO DWS. MINI 1983-2012 (SEP '11). R14E, Sec 10 N41718 ary: ANONY ANONY ANONY ANONY BECKE 2011-03 CRAME CRAME | 200 (RM29.8). S 20W DAM. IN 2 20W DAM. IN 2 20W AUGMENT, 20W AUGMENT, | NORKEL SURVEYS FRO 2008 OTOLITH STUDY, 10 ATION STARTING 1995. S DEFICIT, PITS HARBOR I DEX: ONLY 1 OBS 1987-S TION INDICATED: RST # Accuracy: Latitude/Long Quad Summai Denair (371205 Waterford (371 LUMNE RIVER SEINING S | M DAM TO ~RM31.5. SEINES O OF 147 TROUT (6.8%) WERE SPIKE IN 2011 #S MAY BE HAT PREDATORY BASS. POSSIBL 94; AVG 420, 2001-2012 (HIGH S FROM 0-11, 2000-12; WEIR nonspecific area itude: 37.66641 / -120.47058 79: 57), Ceres (3712058), La Grang 2067), Riverbank (3712068), Bi SURVEYS, 2005 SEINE DATA. SURVEYS, 2005 SEINE DATA. SURVEYS, 2006 SEINE DATA. SURVEYS, 2008 SEINE DATA. SURVEYS, 2008 SEINE DATA. SURVEYS, 2010 SEINE DATA. MIGRATION MONITORING AT R JUVENILE CHINOOK OUTM | FROM MOUT E SH PROGEN TCHERY TRO E INTROGRE I 1,327 IN 201 #S FROM 0-1 8 ge (3712064), rush Lake (37- 2005-XX-XX 2006-XX-XX 2006-XX-XX 2006-XX-XX 2008-XX-XX 2008-XX-XX 2010-XX-XX THE TUOLU IIGRATION UF IIGRATION UF | H TO DAM. VIDEO WEIR AT RM2 NY; 1 WAS A SH. INCREASE IN SI UT ESCAPED FROM U/S RESER SSION W/OUT-OF-BASIN HATCH 1). POP ESTS SINCE '08: FROM 1 6, 2009-14. Area (acres): 6, Elevation (feet): Cooperstown (3712065), Paulsell (3 12151), Westley (3712152) JMNE RIVER WEIR: 2010 ANNUAL PDATES, 2004. 2004-XX-XX | 24.5. UMMER VOIRS. HERY FIS 109 (MAF 3,353 3712066) |



California Department of Fish and Wildlife



| CUT12R0001 | CUTHBERT, C. ET AL. (FISHBIO) - FALL/WINTER MIGRATION MONITORING AT THE TUOLUMNE RIVER WEIR: 2011 ANNUAL |
|------------|---|
| FIS07U0002 | REPORT. 2012-03-XX FISHBIO - TUOLUMNE RIVER JUVENILE CHINOOK OUTMIGRATION UPDATES, FEBRUARY 21 - JULY 17, 2007. 2007-XX-XX |
| FIS08U0001 | FISHBIO - TUOLUMNE RIVER JUVENILE CHINOOK OUTMIGRATION UPDATES, FEBRUARY 21 - JUNE 9, 2008. 2008-XX-XX |
| FIS12R0001 | FISHBIO - 2012 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2012 SEINE REPORT AND SUMMARY UPDATE. 2012-XX-XX |
| FIS14U0001 | FISHBIO - TUOLUMNE WEIR UPDATE 2013: EMAIL AND EXCEL SPREADSHEET. 2014-01-21 |
| FOR08R0001 | FORD, T. & S. KIRIHARA - 2008 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2008 SEINE REPORT AND SUMMARY UPDATE. 2008 -09-XX |
| FOR09R0001 | -09-77 FORD, T. & S. KIRIHARA - 2008 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2008 SNORKEL AND SUMMARY UPDATE. 2009-03- XX |
| FOR09R0002 | FORD, T. & S. KIRIHARA - 2009 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2009 SEINE REPORT AND SUMMARY UPDATE. 2009 -06-XX |
| FOR09R0003 | FORD, T. & S. KIRIHARA - 2009 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2009 SNORKEL REPORT AND SUMMARY UPDATE. 2009-07-XX |
| FOR10R0001 | FORD, T. & S. KIRIHARA (STILLWATER SCIENCES) - TUOLUMNE RIVER ONCORHYNCHUS MYKISS MONITORING REPORT. 2010- 01-XX |
| FOR10R0002 | FORD, T. & S. KIRIHARA - 2010 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2010 SEINE REPORT AND SUMMARY UPDATE. 2010 -06-XX |
| FOR10R0003 | FORD, T. & S. KIRIHARA - 2010 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2010 SNORKEL REPORT AND SUMMARY UPDATE. 2010-11-XX |
| GUI12R0001 | GUIGNARD, J. & A. FULLER - TUOLUMNE RIVER O. MYKISS ACOUSTIC TRACKING STUDY 2011 TECHNICAL REPORT. 2012-03-XX |
| NMF09R0001 | NATIONAL MARINE FISHERIES SERVICE (NOAA) - CALIFORNIA CENTRAL VALLEY SALMON & STEELHEAD DRAFT RECOVERY PLAN, APPENDIX A: CENTRAL VALLEY WATERSHED PROFILES. 2009-10-XX |
| SON10R0001 | SONKE, C. ET AL. (FISHBIO) - OUTMIGRANT TRAPPING OF JUVENILE SALMONIDS IN THE LOWER TUOLUMNE RIVER, 2010. 2010- 12-XX |
| SON12R0001 | SONKE, C. ET AL. (FISHBIO) - OUTMIGRANT TRAPPING OF JUVENILE SALMON IN THE LOWER TUOLUMNE RIVER, 2011. 2012-03- XX |
| SON13R0001 | SONKE, C. & A. FULLER (FISHBIO) - OUTMIGRANT TRAPPING OF JUVENILE SALMON IN THE LOWER TUOLUMNE RIVER, 2012. 2013-03-XX |
| STI08R0001 | STILLWATER SCIENCES - JULY 2008 POPULATION SIZE ESTIMATE OF ONCORHYNCHUS MYKISS IN THE LOWER TUOLUMNE RIVER. 2008-10-XX |
| STI09R0001 | STILLWATER SCIENCES - MARCH AND JULY 2009 POPULATION SIZE ESTIMATES OF ONCORHYNCHUS MYKISS IN THE LOWER TUOLUMNE RIVER. 2009-11-XX |
| STI10R0001 | STILLWATER SCIENCES - MARCH AND AUGUST 2010 POPULATION SIZE ESTIMATES OF ONCORHYNCHUS MYKISS IN THE LOWER TUOLUMNE RIVER. 2010-11-XX |
| STI12R0001 | STILLWATER SCIENCES - SEPTEMBER 2011 POPULATION SIZE ESTIMATES OF ONCORHYNCHUS MYKISS IN THE LOWER TUOLUMNE RIVER. DRAFT. 2012-01-XX |
| STI12R0002 | STILLWATER SCIENCES - 2011 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2011 SEINE REPORT AND SUMMARY UPDATE. 2012-01-XX |
| STI12R0003 | STILLWATER SCIENCES - 2011 LOWER TUOLUMNE RIVER ANNUAL REPORT: 2011 SNORKEL REPORT AND SUMMARY UPDATE. 2012-03-XX |
| TID04D0001 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, JUN 2004. 2004-XX-XX |
| TID04D0002 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, AUG 2004. 2004-XX-XX |
| TID04D0003 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, SEP 2004. 2004-XX-XX |
| TID05D0001 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, SEP 2005. 2005-XX-XX |
| TID05R0001 | TURLOCK & MODESTO IRRIGATION DISTRICTS - 2005 TEN YEAR SUMMARY REPORT, NEW DON PEDRO PROJECT, FERC PROJECT NO. 2299-024. 2005-04-01 |
| TID06D0001 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, SEP 2006. 2006-XX-XX |
| TID07D0001 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, JUN-JUL 2007. 2007-XX-XX |
| TID07D0002 | TURLOCK & MODESTO IRRIGATION DISTRICTS - TUOLUMNE RIVER SNORKEL SUMMARY, SEP 2007. 2007-XX-XX |
| TID12U0001 | TURLOCK & MODESTO IRRIGATION DISTRICTS - 2012 TUOLUMNE RIVER REFERENCE COUNT SNORKEL SUMMARY (DATA TABLE). 2012-XX-XX |
| ZIM08R0001 | ZIMMERMAN, C. ET AL MATERNAL ORIGIN AND MIGRATORY HISTORY OF ONCOHYNCHUS MYKISS CAPTURED IN RIVERS OF THE CENTRAL VALLEY, CALIFORNIA. 2008-03-06 |



California Department of Fish and Wildlife



| Map Index Number: | 91542 | | EO Index: | | 92609 |
|--|------------------------------|--|--|----------------------|--|
| ey Quad: | Lathrop (3712 | 2173) | Element Code: | | AFCHA0209K |
| occurrence Number: | 25 | | Occurrence Last U | odated: | 2014-02-27 |
| cientific Name: On | corhynchus my | ykiss irideus | Common Name: | steelhead | d - Central Valley DPS |
| isting Status: | Federal: | Threatened | Rare Plant Rank: | | |
| | State: | None | Other Lists: | AFS_TH- | Threatened |
| NDDB Element Ranks: | Global: | G5T2Q | | | |
| | State: | S2 | | | |
| eneral Habitat: | | | Micro Habitat: | | |
| POPULATIONS IN THE S THEIR TRIBUTARIES. | SACRAMENTO | O AND SAN JOAQUIN RIVERS A | ND | | |
| ast Date Observed: | 2013-XX-XX | | Occurrence Type: | Natural/ | Native occurrence |
| ast Survey Date: | 2013-XX-XX | | Occurrence Rank: | Poor | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| resence: | Presumed Exta | ant | | | |
| ocation: | | | | | |
| OWER SAN JOAQUIN F | RIVER, FROM | THE MOSSDALE TRAWL SITE (| RM 54) TO SACK DAM (RM | 182). | |
| etailed Location: | | | | | |
| | | | | | ED AT HILLS FERRY (RM 118) SINCE 199. CTICAL U/S LIMIT TO MIGRATION. |
| cological: | | | | | |
| | | | | | ND O. MYKISS ABOVE HILLS FERRY SH DUE TO LACK OF REARING HABITAT. |
| hreats: | | | | | |
| IPSTREAM HABITAT CI | UT OFF BY SA | ACK & FRIANT DAMS. WATER T | EMPS REACH LETHAL LEV | 'ELS IN LO | OWER RIVER. |
| General: | | | | | |
| YEARLY CATCH AT MOS MONITORING BEGUN 20 PROGENY. | SSDALE TRAV 012 (BUT FISH | NL 0-41 (AVG 8), 1994-2011; MO HASSEMBLAGE INVENTORY FC | SLTY UNCLIPPED SMOLTS DUND TROUT). 2 OF 6 SMC | 6. NO SH DLTS SAM | DET ABOVE RM 118 DURING SH IPLED IN '08 OTOLITH STUDY WERE SH |
| PLSS: T01S, R06E, Se | c. 33 (M) | Accuracy: | nonspecific area | | Area (acres): 14,775 |
| JTM: Zone-10 N41855 | 547 E648244 | Latitude/Longitude: | 37.80528 / -121.31601 | | Elevation (feet): |
| County Summary: | | Quad Summary: | | | |
| Fresno, Madera, Merced, Stanislaus | San Joaquin, | Ranch (3712026), Sa | n Luis Ranch (3712027), Ste nding (3712141), Brush Lake | vinson (37 | (3712015), Delta Ranch (3712016), Turner 712037), Gustine (3712038), Hatch I), Westley (3712152), Ripon (3712162), |



California Department of Fish and Wildlife



| BAY DELTA AND TRIBUTARIES PROJECT - BAY DELTA AND TRIBUTARIES PROJECT WEBSITE STEELHEAD DOWNLOAD [1/12/2006 BDAT WEBSITE] 2006-01-12 |
|---|
| U.S. BUREAU OF RECLAMATION - FIELD ACTIVITY ADVISORY, CENTRAL VALLEY STEELHEAD MONIORING PLAN: JANUARY 6 - MARCH 15, 2014. 2014-XX-XX |
| NATIONAL MARINE FISHERIES SERVICE (NOAA) - CALIFORNIA CENTRAL VALLEY SALMON & STEELHEAD DRAFT RECOVERY PLAN, APPENDIX A: CENTRAL VALLEY WATERSHED PROFILES. 2009-10-XX |
| PORTZ, D. ET AL. (U.S. BUREAU OF RECLAMATION) - CENTRAL VALLEY STEELHEAD MONITORING PLAN FOR THE SAN JOAQUIN RIVER RESTORATION AREA: 2012 MID-YEAR TECHNICAL REPORT. 2012-07-XX |
| PORTZ, D. ET AL. (U.S. BUREAU OF RECLAMATION) - CENTRAL VALLEY STEELHEAD MONITORING PLAN FOR THE SAN JOAQUIN RIVER RESTORATION AREA: 2013 MONITORING RESULTS 2013-05-XX |
| STOCKTON FISH AND WILDLIFE OFFICE - MOSSDALE TRAWLS CHINOOK & PELAGIC ORGANISM DECLINE SPECIES 1994-2011 MONITORING DATA. 2011-XX-XX |
| STOCKTON FISH AND WILDLIFE OFFICE - MOSSDALE TRAWLS CHINOOK & PELAGIC ORGANISM DECLINE SPECIES 2012-2013 MONITORING DATA. 2013-XX-XX |
| WORKMAN, M. & D. PORTZ - LONG TERM FISH ASSEMBLAGE INVENTORY AND MONITORING STUDY (PRELIMINARY DATA REPORT). 2013-08-XX |
| ZIMMERMAN, C. ET AL MATERNAL ORIGIN AND MIGRATORY HISTORY OF ONCOHYNCHUS MYKISS CAPTURED IN RIVERS OF THE CENTRAL VALLEY, CALIFORNIA. 2008-03-06 |
| |



California Department of Fish and Wildlife



| Map Index Number: | 26572 | | EO Index: | 1293 | | |
|--|-------------------------------|---|------------------------|-------------------------------|--|----------|
| Key Quad: | Crows Landing | g (3712141) | Element Code: | AFCJ | B34020 | |
| Occurrence Number: | 2 | | Occurrence Last U | pdated: 1996- | 05-09 | |
| Scientific Name: P | ogonichthys mac | crolepidotus | Common Name: | Sacramento split | tail | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | AFS_VU-Vulnera | | |
| CNDDB Element Ranks | s: Global: | GNR | | CDFW_SSC-Spe IUCN EN-Endar | ecies of Special Concerr | ١ |
| | State: | S3 | | | .9 | |
| General Habitat: | | | Micro Habitat: | | | |
| | | S OF THE CENTRAL VALLEY, BI SUN BAY & ASSOCIATED | | | DEAD END SLOUGHS. /NING & FORAGING FO | |
| Last Date Observed: | 1981-10-XX | | Occurrence Type: | Natural/Native c | occurrence | |
| Last Survey Date: | 1981-11-XX | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| SAN JOAQUIN RIVER (| 0.25 MILE UP AN | D DOWNSTREAM OF CROWS | LANDING BRIDGE, 4 MILE | S NORTHEAST C | F CROWS LANDING. | |
| Detailed Location: | | | | | | |
| COLLECTIONS MADE NOT TAKEN BY THE B | | E EVERY 3 MONTHS BETWEEN | OCT 1980 & NOV 1981. S | PLITTAIL WERE I | RARE IN THE BAG SEI | NE CATCH |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| | I DIVERSIONS, | WATER DEGRADATION. | | | | |
| General: | | | | | | |
| INFORMATION ON LIM CAPTURED FISH IS GI | | EASUREMENTS, MICRONUTRIE PORT. | NT CONCENTRATION, AN | ID OCCURRENC | E AND RELATIVE ABUI | NDANCE C |
| PLSS: T06S, R09E, S | ec. 07 (M) | Accuracy: | specific area | | Area (acres): | 17 |
| | 4531 E675776 | Latitude/Longitude: | 37.43093 / -121.01329 | | Elevation (feet): | 40 |
| UTM: Zone-10 N414 | County Summary: Quad Summary: | | | | | |
| | | Quad Outliniary. | | | | |
| UTM: Zone-10 N414 County Summary: Stanislaus | | Crows Landing (37121 | 41) | | | |



California Department of Fish and Wildlife



| Map Index Number: | 59274 | | EO Index: | | 68889 | |
|---|-----------------------|----------------------------|--------------------------------------|-------------|---|--|
| Key Quad: | Copper Mtn. (3712143) | | Element Code: | | AMACC05030 | |
| Occurrence Number: | 126 | | Occurrence Last U | Ipdated: | 2007-07-25 | |
| Scientific Name: L | asiurus cinereus | | Common Name: | hoary bat | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | -Least Concern | |
| CNDDB Element Rank | s: Global: | G5 | | WBWG_N | M-Medium Priority | |
| | State: | S4 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING. | | | D ROOSTS IN DENSE PRIMARILY ON MC | | E OF MEDIUM TO LARGE TREES. FEED QUIRES WATER. | |
| Last Date Observed: | XXXX-XX-XX | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | XXXX-XX-XX | | Occurrence Rank: | : Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | Presumed Exta | nt | | | | |
| Location: | | | | | | |
| DEL PUERTO CANYO | N. | | | | | |
| Detailed Location: | | | | | | |
| MANIS GIVES LOCATI MAPPED. | ON ONLY AS "DI | EL PUERTO CANYON", STANIS | LAUS COUNTY. EXACT L | OCATION | UNKNOWN, ENTIRE CANYON WAS | |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| MSU MR.32511-32512, | 32577-32578 CO | DLLECTED BY DONALD O. STR | ANEY ON UNKNOWN DAT | ſE. | | |
| PLSS: T06S, R06E, S | Sec. 04 (M) | Accuracy: | nonspecific area | | Area (acres): 1,307 | |
| UTM: Zone-10 N414 | 4832 E648630 | Latitude/Longitude: | 37.43840 / -121.31991 | | Elevation (feet): | |
| County Summary: | | Quad Summary: | | | | |
| | | Copper Mtn. (3712143), Mt. | . Boardman | n (3712144) | | |
| Stanislaus | | | | | | |



California Department of Fish and Wildlife



| VERSITY | | | - | | |
|-------------------------------------|----------------------|------------------------|-----------------------|--|-------|
| Map Index Number | 91811 | | EO Index: | 92882 | |
| Key Quad: | Westley (37 | (12152) | Element Code: | AMAEB01021 | |
| Occurrence Numbe | e r: 16 | | Occurrence Last Upd | ated: 2014-03-24 | |
| Scientific Name: | Sylvilagus bach | mani riparius | Common Name: rip | parian brush rabbit | |
| Listing Status: | Federal | Endangered | Rare Plant Rank: | | |
| | State: | Endangered | Other Lists: | | |
| CNDDB Element Ra | anks: Global: | G5T1 | | | |
| | State: | S1 | | | |
| General Habitat: | | | Micro Habitat: | | |
| RIPARIAN AREAS (STANISLAUS COUM | | QUIN RIVER IN NORTHERN | DENSE THICKETS OF | WILD ROSE, WILLOWS, AND BLACKBERF | RIES. |
| Last Date Observed | d: 2012-11-XX | | Occurrence Type: | ntroduced Back into Native Hab./Range | |
| Last Survey Date: | 2012-11-XX | | Occurrence Rank: | Jnknown | |
| Owner/Manager: | USFWS-SAI | N JOAQUIN RIVER NWR | Trend: U | Jnknown | |
| Presence: | Presumed E | xtant | | | |
| Location: | | | | | |
| SAN JOAQUIN RIVE | ER NATIONAL W | LDLIFE REFUGE. | | | |
| Detailed Location: | | | | | |
| | | | | I, -121.202), TELEMETRY PTS & 2004 & '07 BUFFINGTON TRACT, LOCATIONS UNKNC | |
| Ecological: | | | | | |
| | | | | E, THEN ALLOWED TO DISPERSE. SURVIV ATION MAY HAVE CO-OPTED BEST HABI | |
| Threats: | | | | | |
| FERAL CATS. ARSO | ON (2004), FLOO | DING (2005-2006). | | | |
| General: | | | | | |
| | | | | 2 MORTALITIES IN 2004, 10 IN '05, & 3 IN ' IED POPULATION WAS "REBOUNDING." | '07 |
| PLSS: T03S, R07 | E, Sec. 33 (M) | Accuracy: | nonspecific area | Area (acres): 4,20 | 00 |
| UTM: Zone-10 N4 | 165589 E659141 | Latitude/Longitude: | 37.62365 / -121.19665 | Elevation (feet): 30 | |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Westley (3712152), F | Ripon (3712162) | | |



California Department of Fish and Wildlife



California Natural Diversity Database

| Sources: | |
|------------|--|
| BOR13R0002 | U.S BUREAU OF RECLAMATION - FONSI & EA: CONTINUATION OF CONTROLLED PROPAGATION, REINTRODUCTION, & MONITORING OF RIPARIAN BRUSH RABBIT ON THE SAN JOAQUIN RIVER NWR & ADJACENT LANDS THROUGH 2013. 2013-XX-XX |
| EDG07S0001 | EDGARIAN, T. (ENDANGERED SPECIES RECOVERY PROGRAM, CSU STANISLAUS) - MVZ #228169, COLLECTED FROM SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2007-01-18 |
| EDG07S0002 | EDGARIAN, T. (ENDANGERED SPECIES RECOVERY PROGRAM, CSU STANISLAUS) - MVZ #228173, COLLECTED FROM SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2007-01-18 |
| EDG07S0005 | EDGARIAN, T. (ENDANGERED SPECIES RECOVERY PROGRAM, CSU STANISLAUS) - MVZ #228172, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2007-06-25 |
| ESR04S0002 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228941, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2004-05-26 |
| ESR04S0003 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228940, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2004-08-17 |
| ESR05S0002 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228939, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-03-30 |
| ESR05S0003 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228944, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-03-30 |
| ESR05S0004 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228943, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-03-30 |
| ESR05S0005 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228937, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-04-04 |
| ESR05S0006 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228936, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-04-06 |
| ESR05S0007 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228942, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-04-06 |
| ESR05S0008 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228938, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-04-06 |
| ESR05S0010 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228958, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-04-12 |
| ESR05S0011 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228957, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-04-16 |
| ESR05S0016 | ESRP (CALIFORNIA STATE UNIVERSITY, STANISLAUS) - MVZ #228935, COLLECTED AT SAN JOAQUIN RIVER NATIONAL WILDLIFE REFUGE. 2005-11-22 |
| HAM10U0002 | HAMILTON, L. (UNIVERSITY OF CALIFORNIA, DAVIS) - REINTRODUCTION ECOLOGY OF THE ENDANGERED RIPARIAN BRUSH RABBIT (DISSERTATION). 2010-XX-XX |
| WIL02R0001 | WILLIAMS, D.F. ET AL CONTROLLED PROPAGATION AND TRANSLOCATION OF RIPARIAN BRUSH RABBITS: ANNUAL REPORT FOR 2002. 2002-07-14 |
| WIL05R0002 | WILLIAMS, D.F. ET AL CONTROLLED PROPAGATION AND TRANSLOCATION OF RIPARIAN BRUSH RABBITS: ANNUAL REPORT |

WIL05R0002 WILLIAMS, D.F. ET AL. - CONTROLLED PROPAGATION AND TRANSLOCATION OF RIPARIAN BRUSH RABBITS: ANNUAL REPORT FOR 2003. 2005-07-14



California Department of Fish and Wildlife



| - | 53784 | | EO Index: | 53784 | | |
|---|--|---|--|--|--|--|
| Key Quad: | Patterson (3712142) | | Element Code: | AMAJA03041 | | |
| Occurrence Number: | 80 | | Occurrence Last Up | Occurrence Last Updated: 2004-01-05 | | |
| Scientific Name: Vulpes macrotis mutica | | | Common Name: | San Joaquin kit fox | | |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | | | |
| CNDDB Element Rank | s: Global: | G4T2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERI | ED NEED LOOSE-TEXT SUITABLE PREY BA | FURED SANDY SOILS FOR BURROWING, ANI ASE. | | |
| Last Date Observed: | 1973-10-13 | | Occurrence Type: | Natural/Native occurrence | | |
| Last Survey Date: | 1973-10-13 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| | | ON. ABOUT 3.5 MI WEST. 0.75 I | VI N OF PATTERSON (FRC | OM THE INTERSECTION OF J17 & WARD AVE | | |
| NEAR MOUTH OF DEL | PUERTO CANY | | (- | | | |
| NEAR MOUTH OF DEL Detailed Location: | PUERTO CANY | | | | | |
| Detailed Location: MAPPED ACCORDING | | N (T5S, R7E, SE 1/4 OF NW 1/4 (| | ENERAL DIRECTIONS. | | |
| Detailed Location: MAPPED ACCORDING Ecological: | G TO T-R-S GIVE | | | ENERAL DIRECTIONS. | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND | G TO T-R-S GIVE | | | ENERAL DIRECTIONS. | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND Threats: | G TO T-R-S GIVE | | | ENERAL DIRECTIONS. | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND | B TO T-R-S GIVE | | | ENERAL DIRECTIONS. | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND Threats: General: | 5 TO T-R-S GIVE 9. ERVED. | | | ENERAL DIRECTIONS. Area (acres): 40 | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND Threats: General: ONE INDIVIDUAL OBS PLSS: T05S, R07E, S | 5 TO T-R-S GIVE 9. ERVED. | N (T5S, R7E, SE 1/4 OF NW 1/4 (| OF SEC 28), NOT FROM GI | | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND Threats: General: ONE INDIVIDUAL OBS PLSS: T05S, R07E, S | 5 TO T-R-S GIVE 9. ERVED. Sec. 28 (M) | N (T5S, R7E, SE 1/4 OF NW 1/4) Accuracy: | OF SEC 28), NOT FROM GE | Area (acres): 40 | | |
| Detailed Location: MAPPED ACCORDING Ecological: ANNUAL GRASSLAND Threats: General: ONE INDIVIDUAL OBS PLSS: T05S, R07E, S UTM: Zone-10 N414 | 5 TO T-R-S GIVE 9. ERVED. Sec. 28 (M) | N (T5S, R7E, SE 1/4 OF NW 1/4) Accuracy: Latitude/Longitude: | OF SEC 28), NOT FROM GE | Area (acres): 40 | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 62796 | | EO Index: | 62850 |
|--|----------------------------|--|--|--|
| Key Quad: | Patterson (3712142) | | Element Code: | AMAJA03041 |
| Occurrence Number: | 206 | | Occurrence Last Upd | lated: 2005-10-06 |
| Scientific Name: Vu | ulpes macrotis m | nutica | Common Name: S | an Joaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Ranks | : Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLANDS SHRUBBY VEGETATIO | | OPEN STAGES WITH SCATTERE | ED NEED LOOSE-TEXTU SUITABLE PREY BAS | IRED SANDY SOILS FOR BURROWING, AND E. |
| Last Date Observed: | 2004-08-23 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 2004-08-23 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | nt | | |
| Location: | | | | |
| WEST SHOULDER OF I | -5, 3 MILES DIR | ECTLY WEST OF PATTERSON. | | |
| Detailed Location: | | | | |
| OCATION MAPPED AC | CORDING TO | UTM COORDINATES. | | |
| Ecological: | | | | |
| | | | | AN ANIMAL PATH LEADING DOWN TO ROADWA JSE: INTERSTATE TRAFFIC, GRAZING, ORCHARI |
| EAST SIDE INTERSTAT | | | | |
| | | | | |
| Threats: | ED WITH VEHI | CLE STRIKES. | | |
| Fhreats: MORTALITY ASSOCIAT | ED WITH VEHI | CLE STRIKES. | | |
| Fhreats: MORTALITY ASSOCIAT General: | | | ELY KILLED EARLY IN THE M | IORNING OR NIGHT BEFORE BY VEHICLE STRIK |
| Fhreats: MORTALITY ASSOCIAT General: I ADULT FEMALE FOUI | ND DEAD ALON | | LY KILLED EARLY IN THE M 1/10 mile | IORNING OR NIGHT BEFORE BY VEHICLE STRIK |
| Fhreats: MORTALITY ASSOCIAT General: I ADULT FEMALE FOUI PLSS: T05S, R07E, Se | ND DEAD ALON ec. 27 (M) | IG ROAD ON 23 AUG 2004. LIKE | | |
| Threats: MORTALITY ASSOCIAT General: 1 ADULT FEMALE FOUI PLSS: T05S, R07E, Se | ND DEAD ALON ec. 27 (M) | IG ROAD ON 23 AUG 2004. LIKE Accuracy: | 1/10 mile | Area (acres): 0 |

ROO04F0002 ROOT, M. (U.S. FISH AND WILDLIFE SERVICE) - FIELD SURVEY FORM FOR VULPES MACROTIS MUTICA 2004-08-23



California Department of Fish and Wildlife



| Map Index Number: | 67248 | | EO Index: | | 67410 | |
|--|---------------|---------------------------|--|-------------------------------------|------------------------------|--|
| Key Quad: | Patterson (37 | 12142) | Element Code: | | AMAJA03041 | |
| Occurrence Number: | 548 | | Occurrence Last U | Occurrence Last Updated: 2006-11-28 | | |
| Scientific Name: V | nutica | Common Name: | San Joaq | uin kit fox | | |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | | | |
| CNDDB Element Rank | s: Global: | G4T2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERI | ED NEED LOOSE-TEXT SUITABLE PREY BA | | NDY SOILS FOR BURROWING, AND | |
| Last Date Observed: | 1989-04-11 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1989-04-11 | | Occurrence Rank: | Poor | | |
| Owner/Manager: | PVT | | Trend: | Unknowr | ı | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| 0.75 MI WSW OF I-5/FI | NK RD INTERCH | HANGE. | | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| WALNUT ORCHARD A | DJACENT TO N | ON-NATIVE GRASSLAND. | | | | |
| Threats: | | | | | | |
| | G COMMUNITY | WOULD ELIMINATE ORCHARD | AND ADJACENT GRASSLA | NDS. | | |
| General: | | | | | | |
| | | D DURING NOCTURNAL SUVER | | | | |
| PLSS: T06S, R07E, S | | Accuracy: | 80 meters | | Area (acres): 0 | |
| UTM: Zone-10 N4140314 E663652 Latitude/Longitude: 37 | | 37.39515 / -121.15118 | | Elevation (feet): 300 | | |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Patterson (3712142) | | | | |
| | | | | | | |



California Department of Fish and Wildlife



| | 67264 | | EO Index: | 67424 |
|---|--|--|-----------------------|---|
| Key Quad: | Westley (3712 | 2152) | Element Code: | AMAJA03041 |
| Occurrence Number: | 560 | | Occurrence Last Up | dated: 2006-11-29 |
| Scientific Name: V | /ulpes macrotis n | nutica | Common Name: | San Joaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Rank | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERED | NEED LOOSE-TEXT | URED SANDY SOILS FOR BURROWING, AND SE. |
| Last Date Observed: | 1990-09-27 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1990-09-27 | | Occurrence Rank: | Unknown |
| Owner/Manager: | STATE | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| ON I-5, 4.7 MI N OF PA | TTERSON RD E | XIT AND 9 MI N OF CROWS LANDI | ING. | |
| Detailed Location: | | | | |
| | | | | MAIN EXIT FOR PATTERSON. FOX FOUND DEA |
| PATTERSON RD COU | | IND. MAPPED AT 4.7 MI N OF SPEF | KKTAVE, WHICH IS THE | |
| PATTERSON RD COU ON W SIDE OF MEDIA | | IND. MAPPED AT 4.7 MI N OF SPEF | KKT AVE, WHIGH IS THE | |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological : | N OF I-5. | | | ST IS GRASSLAND OF MODERATE RELIEF. |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C | N OF I-5. | | | |
| PATTERSON RD COUI ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C Threats: | N OF 1-5. DF THE INTERST | | | |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C Threats: VEHICULAR TRAFFIC. General: | N OF 1-5. DF THE INTERS ¹ | TATE LIES THE CALIFORNIA AQUE | | |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C Threats: VEHICULAR TRAFFIC. General: | N OF 1-5. DF THE INTERS ¹ | TATE LIES THE CALIFORNIA AQUE | | |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: | N OF I-5. DF THE INTERST DEAD ON ROAI | TATE LIES THE CALIFORNIA AQUE | | |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C Threats: VEHICULAR TRAFFIC. General: 1 INDIVIDUAL FOUND PLSS: T05S, R07E, S | N OF 1-5. DF THE INTERST DEAD ON ROAI Sec. 07 (M) | TATE LIES THE CALIFORNIA AQUE D ON 27 SEP 1990. Accuracy: r | EDUCT, AND TO THE WE | ST IS GRASSLAND OF MODERATE RELIEF. |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C Threats: VEHICULAR TRAFFIC. General: 1 INDIVIDUAL FOUND PLSS: T05S, R07E, S | N OF 1-5. DF THE INTERST DEAD ON ROAI Sec. 07 (M) | TATE LIES THE CALIFORNIA AQUE D ON 27 SEP 1990. Accuracy: r | EDUCT, AND TO THE WE | ST IS GRASSLAND OF MODERATE RELIEF. Area (acres): 64 |
| PATTERSON RD COU ON W SIDE OF MEDIA Ecological: IMMEDIATELY EAST C Threats: VEHICULAR TRAFFIC. General: 1 INDIVIDUAL FOUND PLSS: T05S, R07E, S UTM: Zone-10 N415 | N OF 1-5. DF THE INTERST DEAD ON ROAI Sec. 07 (M) | TATE LIES THE CALIFORNIA AQUE D ON 27 SEP 1990. Accuracy: r Latitude/Longitude: 3 | EDUCT, AND TO THE WE | ST IS GRASSLAND OF MODERATE RELIEF. Area (acres): 64 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: 56586 | | | EO Index: | | 56602 | |
|--|---------------|---|------------------------|-----------|--|-----|
| Key Quad: | Patterson (37 | 12142) | Element Code: | | AMAJF04010 | |
| Occurrence Number: | 71 | | Occurrence Last U | pdated: | 2004-09-01 | |
| Scientific Name: 7 | axidea taxus | | Common Name: | American | n badger | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | SC-Species of Special Concerr | า |
| CNDDB Element Rank | s: Global: | G5 | | IUCN_LC | C-Least Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| MOST ABUNDANT IN E AND HERBACEOUS H | | FAGES OF MOST SHRUB, FORE FRIABLE SOILS. | | | FRIABLE SOILS & OPEN, UNC OWING RODENTS. DIGS BUI | |
| Last Date Observed: | 1989-04-13 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 1989-04-13 | | Occurrence Rank: | Fair | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| Presence: | Presumed Ext | ant | | | | |
| Location: | | | | | | |
| VICINITY OF LITTLE SA | ALADO CREEK | AND POWER TRANSMISSION LI | NES, 5 MILES SSW OF PA | ATTERSO | N. | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| | F WALNUT OR | CHARD AND ADJACENT RUDER | AL GRASSLAND. | | | |
| Threats: | | | | | | |
| PROPOSED FOR DEVI General: | ELOPMENT. | | | | | |
| General: | | | | | | |
| | | | 1/5 mile | | • • • | |
| 1 ADULT OBSERVED (| 00 (14) | ······································ | | | Area (acres): | 0 |
| PLSS: T06S, R07E, S | () | - | 07 40000 / 404 47005 | | | 400 |
| | () | Latitude/Longitude: | 37.40600 / -121.17285 | | Elevation (feet): | 400 |
| PLSS: T06S, R07E, S | () | - | 37.40600 / -121.17285 | | Elevation (feet): | 400 |

VOU89F0005 VOUCHILAS, C. - FIELD SURVEY FORM FOR TAXIDEA TAXUS 1989-04-13



California Department of Fish and Wildlife

California Natural Diversity Database



| | 42220 | | EO Index: | | 42220 | |
|--|--|---|------------------------------|-----------|------------------------------------|-----------|
| Key Quad: | Patterson (3712142) 23 | | Element Code: | | ARADB21021 | |
| Occurrence Number: | | | Occurrence Last U | odated: | 2000-01-20 | |
| Scientific Name: N | lasticophis flage | llum ruddocki | Common Name: | San Joaq | uin whipsnake | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | CDFW_S | SC-Species of Special Concerr | า |
| CNDDB Element Rank | s: Global: | G5T2T3 | | | | |
| | State: | S2? | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | OR NO TREE COVER. FOUND IN CRUB IN THE SAN JOAQUIN | NEEDS MAMMAL B | URROWS | FOR REFUGE AND OVIPOSI | TION SITE |
| Last Date Observed: | 1998-07-29 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1998-07-29 | | Occurrence Rank: | Good | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| | | ant | | | | |
| Presence: | Presumed Ext | ant | | | | |
| | Presumed Ext | ant | | | | |
| Location: | | ILES WEST OF I-5, WEST OF PA | TTERSON. | | | |
| Location: DEL PUERTO CANYON | | | TTERSON. | | | |
| Location: DEL PUERTO CANYON | | | TTERSON. | | | |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: | N ROAD, 0.25 M | | | | | |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: HABITAT SURROUNDI | N ROAD, 0.25 M | ILES WEST OF I-5, WEST OF PA | | | | |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: HABITAT SURROUNDI Threats: POSSIBLY THREATEN | N ROAD, 0.25 M NG ROADWAY | ILES WEST OF I-5, WEST OF PA | | | | |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: HABITAT SURROUNDI Threats: POSSIBLY THREATEN General: | N ROAD, 0.25 M NG ROADWAY IED BY ROAD IN | ILES WEST OF I-5, WEST OF PA CONSISTS OF NON-NATIVE GR/ MPROVEMENT PROJECTS. | | | | |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: HABITAT SURROUNDI Threats: POSSIBLY THREATEN General: | N ROAD, 0.25 M NG ROADWAY IED BY ROAD IN | ILES WEST OF I-5, WEST OF PA CONSISTS OF NON-NATIVE GR/ MPROVEMENT PROJECTS. | | | | |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: HABITAT SURROUNDI Threats: POSSIBLY THREATEN General: 1 DEAD ADULT FOUND | N ROAD, 0.25 M NG ROADWAY IED BY ROAD IN D ON DEL PUEF | ILES WEST OF I-5, WEST OF PA CONSISTS OF NON-NATIVE GR/ MPROVEMENT PROJECTS. | | | Area (acres): | 21 |
| Location: DEL PUERTO CANYON Detailed Location: Ecological: HABITAT SURROUNDI Threats: POSSIBLY THREATEN General: 1 DEAD ADULT FOUNI PLSS: T05S, R07E, S | N ROAD, 0.25 M NG ROADWAY IED BY ROAD IN D ON DEL PUEF Sec. 34 (M) | ILES WEST OF I-5, WEST OF PA CONSISTS OF NON-NATIVE GR/ MPROVEMENT PROJECTS. RTO CANYON ROAD. | ASSLAND. | | Area (acres): Elevation (feet): | 21 280 |
| Detailed Location: Ecological: HABITAT SURROUNDI Threats: POSSIBLY THREATEN General: 1 DEAD ADULT FOUND PLSS: T05S, R07E, S | N ROAD, 0.25 M NG ROADWAY IED BY ROAD IN D ON DEL PUEF Sec. 34 (M) | ILES WEST OF I-5, WEST OF PA CONSISTS OF NON-NATIVE GR/ MPROVEMENT PROJECTS. RTO CANYON ROAD. Accuracy: | ASSLAND. nonspecific area | | | |

MUT98F0004 MUTH, D. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 1998-07-29



California Department of Fish and Wildlife



| Occurrence Number: 35 Occurrence Last Updated: 1998-07-20 Scientific Name: Coastal and Valley Freshwater Marsh Common Name: Coastal and Valley Freshwater Marsh Listing Status: Federal: None Other Lists: State: None Other Lists: CNDDB Element Ranks: Global: G3 State: S2.1 Micro Habitat: Cast Date Observed: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Date Observed: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: presumed Extant Unknown Trend: Unknown Detailed Location: Ecological: Trend: Unknown Trend: Unknown Stres: DIKED AG LAND NEARBY. General: Set WW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. Set Gift area Area (acres): 166 PLS: Tota-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: | Map Index Number: | 11865 | | EO Index: | | 16063 | |
|---|---------------------|------------------|----------------------------|-----------------------|-----------|----------------------------|--------|
| Scientific Name: Coastal and Valley Freshwater Marsh Common Name: Coastal and Valley Freshwater Marsh Listing Status: Federal: None Other Lists: CNDDB Element Ranks: Global: G3 State: S2.1 State: S2.1 General Habitat: Micro Habitat: Micro Habitat: Last Date Observed: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Survey Date: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Location: Ecological: Scological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: Sec OMMUNITIES. Sec OMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone:0 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary:< | | | 2152) | Element Code: | | CTT52410CA | |
| Listing Status: Federal: None Rare Plant Rank: State: None Other Lists: CNDDB Element Ranks: Global: G3 State: S2.1 General Habitat: State: S2.1 General Habitat: VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | | | Occurrence Last U | odated: | 1998-07-20 | |
| State: None Other Lists: CNDDB Element Ranks: Global: G3 State: S2.1 General Habitat: Micro Habitat: Last Date Observed: 1977-01-XX Osmer/Manager: PVT, UNKNOWN Owner/Manager: PVT, UNKNOWN Trend: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Location: SAN JOAQUIN RIVER AT GRAYSON. Detailed Location: Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNTITES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 /-121.16979 Elevation (feet): 35 County Summary: Quad Summary: | Scientific Name: C | pastal and Valle | y Freshwater Marsh | Common Name: | Coastal a | nd Valley Freshwater Marsh | |
| CNDDB Element Ranks: Global: G3 State: S2.1 General Habitat: Micro Habitat: Last Date Observed: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Survey Date: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Survey Date: 1977-01-XX Occurrence Type: Natural/Native occurrence Commer/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Unknown Location: SAN JOAQUIN RIVER AT GRAYSON. JUSSIAEA CALIFORNICA. Dataled Location: Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DiKED AG LAND NEARBY. General: SEE SEE Secological: Accuracy: specific area Area (acres): 166 166 171 204 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 171 166 | Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| State: S2.1 General Habitat: Micro Habitat: Last Date Observed: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Survey Date: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Unknown Location: SAN JOAQUIN RIVER AT GRAYSON. Trend: Unknown Detailed Location: Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. Specific area Area (acres): 166 PLS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres):: 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: | | State: | None | Other Lists: | | | |
| General Habitat: Micro Habitat: Last Date Observed: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Survey Date: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Unknown Location: SAN JOAQUIN RIVER AT GRAYSON. Tend: Unknown Detailed Location: Frend: Unknown Frend: Unknown TypHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: Frend: | CNDDB Element Ranks | : Global: | G3 | | | | |
| Last Date Observed: 1977-01-XX Occurrence Type: Natural/Native occurrence Last Survey Date: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Unknown Location: SAN JOAQUIN RIVER AT GRAYSON. Detailed Location: SAN JOAQUIN RIVER AT GRAYSON. Detailed Location: Fecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: Fecological: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: Quad Summary: 166 | | State: | S2.1 | | | | |
| Last Survey Date: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Unknown Location: SAN JOAQUIN RIVER AT GRAYSON. Image: Comparison of the stant o | General Habitat: | | | Micro Habitat: | | | |
| Last Survey Date: 1977-01-XX Occurrence Rank: Unknown Owner/Manager: PVT, UNKNOWN Trend: Unknown Presence: Presumed Extant Unknown Location: SAN JOAQUIN RIVER AT GRAYSON. Frend: VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Last Date Observed: | 1977-01-XX | | Occurrence Type: | Natural/I | Native occurrence | |
| Presence: Presumed Extant Location: SAN JOAQUIN RIVER AT GRAYSON. Detailed Location: Presence: Ecological: Presence: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Presence: Threats: Presence: DIKED AG LAND NEARBY. Presence: General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: U V | Last Survey Date: | 1977-01-XX | | | Unknow | n | |
| Location: SAN JOAQUIN RIVER AT GRAYSON. Detailed Location: Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: | Owner/Manager: | PVT, UNKNOV | VN | Trend: | Unknow | n | |
| SAN JOAQUIN RIVER AT GRAYSON. Detailed Location: Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: | Presence: | Presumed Exta | ant | | | | |
| Detailed Location: Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: 166 | Location: | | | | | | |
| Ecological: TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: 166 | SAN JOAQUIN RIVER A | T GRAYSON. | | | | | |
| TYPHA SP, SCIRPUS SP, CAREX LANUGINOSA, JUSSIAEA CALIFORNICA. Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: | Detailed Location: | | | | | | |
| Threats: DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: 100 | Ecological: | | | | | | |
| DIKED AG LAND NEARBY. General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: | TYPHA SP, SCIRPUS S | P, CAREX LAN | UGINOSA, JUSSIAEA CALIFORM | NICA. | | | |
| General: SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Curacy: C | Threats: | | | | | | |
| SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES. PLSS: T04S, R07E, Sec. 26 (M) Accuracy: specific area Area (acres): 166 UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: VIII - 1000000000000000000000000000000000 | | BY. | | | | | |
| UTM: Zone-10 N4159065 E661640 Latitude/Longitude: 37.56445 / -121.16979 Elevation (feet): 35 County Summary: Quad Summary: Quad Summary: 2 | SEE WWW.DFG.CA.GC | V/BIOGEODAT | A/VEGCAMP/NATURAL_COMM_ | _BACKGROUND.ASP TO IN | ITERPRE | T AND ADDRESS THE PRESE | NCE OF |
| County Summary: Quad Summary: | PLSS: T04S, R07E, S | ec. 26 (M) | Accuracy: | specific area | | Area (acres): | 166 |
| | UTM: Zone-10 N4159 | 065 E661640 | Latitude/Longitude: | 37.56445 / -121.16979 | | Elevation (feet): | 35 |
| Stanislaus Westley (3712152) | County Summary: | | Quad Summary: | | | | |
| | Stanislaus | | Westley (3712152) | | | | |
| | | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 11821 | | EO Index: | | 28899 |
|---|-----------------------|--------------------------------------|--------------------------|-----------|---|
| Key Quad: | Ripon (371216 | 62) | Element Code: | | CTT61430CA |
| Occurrence Number: | Occurrence Number: 27 | | Occurrence Last Up | odated: | 1998-07-31 |
| Scientific Name: | reat Valley Valle | y Oak Riparian Forest | Common Name: | Great Val | lley Valley Oak Riparian Forest |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | | |
| CNDDB Element Rank | s: Global: | G1 | | | |
| | State: | S1.1 | | | |
| General Habitat: | | | Micro Habitat: | | |
| Last Date Observed: | 1980-09-04 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 1980-09-04 | | Occurrence Rank: | Unknow | n |
| Owner/Manager: | USFWS-SAN J | IOAQUIN RIVER NWR | Trend: | Decreas | sing |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| SOUTH SIDE OF MAZE | BLVD (HWY 13 | 2) EAST OF BRIDGE OVER SAM | N JOAQUIN RIVER. 11 MILE | S WEST | OF MODESTO. |
| Detailed Location: | | | | | |
| Ecological: | | | | | |
| | | | | | SURROUNDED BY IRRIGATED AG LAND ER ON ISLAND FORMED BY FINNEGANS |
| Threats: | | | | | |
| HISTORY OF GRAZING | . | | | | |
| General: | | | | | |
| SEE WWW DEG CA GO | DV/BIOGEODAT | A/VEGCAMP/NATURAL_COMM_ | _BACKGROUND.ASP TO IN | ITERPRE | T AND ADDRESS THE PRESENCE OF |
| | | Accuracy: | 1 mile | | Area (acres): 0 |
| RARE COMMUNITIES. | ec. 33 (M) | | 07 00004 / 404 40000 | | Elevation (feet): 30 |
| RARE COMMUNITIES. PLSS: T03S, R07E, S | · · · | Latitude/Longitude: | 37.62631 / -121.19660 | | |
| RARE COMMUNITIES. PLSS: T03S, R07E, S UTM: Zone-10 N416 | · · · | Latitude/Longitude: Quad Summary: | 37.62631 / -121.19660 | | |
| RARE COMMUNITIES. PLSS: T03S, R07E, S | · · · | - | | | |



California Department of Fish and Wildlife



| Map Index Number: Key Quad: | | | | |
|--------------------------------|--------------------|---|-----------------------|---|
| Key Quad: | 91811 | | EO Index: | 95136 |
| • | Westley (3712 | 2152) | Element Code: | ICBRA03030 |
| Occurrence Number: | 799 | | Occurrence Last U | pdated: 2014-11-13 |
| Scientific Name: B | Branchinecta lynch | hi | Common Name: | vernal pool fairy shrimp |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | |
| | State: | None | Other Lists: | IUCN_VU-Vulnerable |
| CNDDB Element Rank | s: Global: | G3 | | |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| | | THE CENTRAL VALLEY, CENTRA TNS, IN ASTATIC RAIN-FILLED | | LEAR-WATER SANDSTONE-DEPRESSION POOL ALE, EARTH SLUMP, OR BASALT-FLOW LS. |
| Last Date Observed: | 1998-01-12 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1998-01-12 | | Occurrence Rank: | Unknown |
| Owner/Manager: | FWS-SAN JOA | QUIN NWR | Trend: | Unknown |
| Presence: | Presumed Exta | int | | |
| Location: | | | | |
| SAN JOAQUIN RIVER I | NATIONAL WILD | LIFE REFUGE. | | |
| Detailed Location: | | | | |
| | | | | IMATE GIVEN LOCALITY, "SAN JOAQUIN RIVER RD SURVEYED 1998-2000, BUT NO B. LYNCHI |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| 7 COLLECTED ON 12 | JAN 1998 (USNM | 1 #1072676). | | |
| PLSS: T03S, R07E, S | Sec. 33 (M) | Accuracy: | nonspecific area | Area (acres): 4,200 |
| UTM: Zone-10 N416 | 5589 E659141 | Latitude/Longitude: | 37.62365 / -121.19665 | Elevation (feet): |
| County Summary: | | Quad Summary: | | |
| | | Westley (3712152), Ri | pon (3712162) | |
| Stanislaus | | | | |
| Stanislaus Sources: | | | | |
| Sources: | ER, M. & M. PET | ERS - USNM #1072676, COLLEC | TED AT SAN JOAQUIN RI | VER NATIONAL WILDLIFE REFUGE 1998-01-12 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 39485 | | EO Index: | 34487 |
|--|---------------------|--|----------------------------------|--|
| Key Quad: | Riverbank (3712068) | | Element Code: | IICOL48011 |
| Occurrence Number: | 156 | | Occurrence Last Update | ed: 1998-08-20 |
| Scientific Name: De | esmocerus calif | ornicus dimorphus | Common Name: valle | ey elderberry longhorn beetle |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Ranks | : Global: | G3T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| | | LLEY OF CALIFORNIA, IN RRY (SAMBUCUS MEXICANA). | | S IN ELDERBERRIES 2-8 INCHES IN DIAMETE IOWN FOR "STRESSED" ELDERBERRIES. |
| ast Date Observed: | 1984-XX-XX | | Occurrence Type: Nat | ural/Native occurrence |
| ast Survey Date: | 1984-XX-XX | | Occurrence Rank: Uni | known |
| Owner/Manager: | UNKNOWN | | Trend: Uni | known |
| Presence: | Presumed Exta | ant | | |
| _ocation: | | | | |
| TUOLUMNE RIVER, AR | OUND MODES | TO. | | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| EXIT HOLES OBSERVE | D DURING MA | Y AND/OR JUNE, NO ADULTS SI | EEN. | |
| PLSS: T03S, R09E, S | ec. 32 (M) | Accuracy: | 5 miles | Area (acres): 0 |
| UTM: Zone-10 N4166159 E676795 Latitude/Longitude: 37 | | 37.62556 / -120.99657 | Elevation (feet): 50 | |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Ceres (3712058), Rive | erbank (3712068), Brush Lake (37 | 712151), Salida (3712161) |
| | | | | |

ESA86R0001 ESA - PLANNING AND ENVIRONMENTAL SERVICES - BIOLOGICAL DATA REPORT OF "CLEARING AND SNAGGING MODIFICATION PROJECT OF THE LOWER SAN JOAQUIN RIVER AND TRIBUTARIES." (US ARMY CORPS OF ENGINEERS) 1986-01-XX



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11821 | | EO Index: | | 34488 | |
|---------------------|------------------|---|-----------------------|------------|--|----|
| Key Quad: | Ripon (3712162) | | Element Code: | | IICOL48011 | |
| Occurrence Number: | 157 | | Occurrence Last Up | odated: | 1998-08-20 | |
| Scientific Name: De | esmocerus califo | ornicus dimorphus | Common Name: | valley eld | erberry longhorn beetle | |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | | |
| CNDDB Element Ranks | : Global: | G3T2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | LEY OF CALIFORNIA, IN RRY (SAMBUCUS MEXICANA). | | | ELDERBERRIES 2-8 INCHES II N FOR "STRESSED" ELDERBE | |
| Last Date Observed: | 1984-XX-XX | | Occurrence Type: | Natural/N | Native occurrence | |
| ast Survey Date: | 1984-XX-XX | | Occurrence Rank: | Unknow | n | |
| Owner/Manager: | USFWS-SAN J | JOAQUIN RIVER NWR | Trend: | Unknow | n | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| ALONG THE SAN JOAG | QUIN RIVER, WI | EST OF MODESTO. | | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| EXIT HOLES OBSERVE | D DURING MA | Y AND JUNE SURVEYS, NO ADU | JLTS SEEN. | | | |
| PLSS: T03S, R07E, S | ec. 33 (M) | Accuracy: | 1 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4165 | 5883 E659140 | Latitude/Longitude: | 37.62631 / -121.19660 | | Elevation (feet): | 30 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Westley (3712152), Ri | pon (3712162) | | | |
| | | | | | | |

PROJECT OF THE LOWER SAN JOAQUIN RIVER AND TRIBUTARIES." (US ARMY CORPS OF ENGINEERS) 1986-01-XX



California Department of Fish and Wildlife



| Map Index Number: | 11803 | | EO Index: 2 | 22656 |
|--|---|--|---------------------------------|--|
| Key Quad: | Westley (371215 | 52) | Element Code: | ICOL4C020 |
| Occurrence Number: | 8 | | Occurrence Last Updated: 2 | 2006-03-29 |
| Scientific Name: | Lytta moesta | | Common Name: moestan bli | ster beetle |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Ran | nks: Global: (| G2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| CENTRAL CALIFORN | IIA. | | | |
| Last Date Observed: | 19XX-XX-XX | | Occurrence Type: Natural/Na | tive occurrence |
| Last Survey Date: | 19XX-XX-XX | | Occurrence Rank: Unknown | |
| Owner/Manager: | UNKNOWN | | Trend: Unknown | |
| Presence: | Presumed Extant | | | |
| Location: | | | | |
| WESTLEY, SW OF M | ODESTO. | | | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| SEASONAL DISTRIB ^I | JTION: APRIL TO AU | JGUST 1. ONE COLLECTED IN | N JULY; YEAR OF COLLECTION UNKN | |
| | | A | 1 mile | Area (acres): 0 |
| PLSS: T04S, R07E, | Sec. 33 (M) | Accuracy: | | |
| PLSS: T04S, R07E, | Sec. 33 (M) 57044 E658837 | Accuracy: Latitude/Longitude: | 37.54673 / -121.20195 | Elevation (feet): 96 |
| PLSS: T04S, R07E, UTM: Zone-10 N41 | | • | | () |
| PLSS: T04S, R07E, | | Latitude/Longitude: | | () |
| PLSS: T04S, R07E, UTM: Zone-10 N41 County Summary: Stanislaus | | Latitude/Longitude: Quad Summary: | | () |
| PLSS: T04S, R07E, UTM: Zone-10 N41 County Summary: Stanislaus Sources: | 57044 E658837 | Latitude/Longitude: Quad Summary: Westley (3712152) | | Elevation (feet): 96 |
| PLSS: T04S, R07E, UTM: Zone-10 N41 County Summary: Stanislaus Sources: CBP06U0001 CAI HAL92A0001 HAI | 57044 E658837 LIFORNIA BEETLE P _STEAD, J.A. & R.D. | Catitude/Longitude: Quad Summary: Westley (3712152) PROJECT (SBMNH) - ONLINE D HAINES - NEW DISTRIBUTION | 37.54673 / -121.20195 | Elevation (feet): 96 DESTA. 2006-03-27 TE SPECIES OF LYTTA IN CALIFORN |



California Department of Fish and Wildlife

California Natural Diversity Database



| Mara Indan Manukan | 00405 | | EQ la dese | 0.1.1.10 | | |
|---------------------|----------------------|---------------------------|-----------------------------|---------------------|-------------------|----------|
| Map Index Number: | 39485 | (0000) | EO Index: | 64448 | | |
| Key Quad: | Riverbank (37 | 12068) | Element Code: | IICOL4C | | |
| Occurrence Number: | 10 | | Occurrence Last Up | dated: 2006-03- | -29 | |
| Scientific Name: Ly | ∕tta moesta | | Common Name: | moestan blister bee | tle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | | |
| CNDDB Element Ranks | s: Global: | G2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CENTRAL CALIFORNIA | ۸. | | | | | |
| ast Date Observed: | 19XX-XX-XX | | Occurrence Type: | Natural/Native occu | urrence | |
| ast Survey Date: | 19XX-XX-XX | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Possibly Extirpation | ated | | | | |
| ocation: | | | | | | |
| NODESTO. | | | | | | |
| Detailed Location: | | | | | | |
| cological: | | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| OCALITY FROM CALI | | E PROJECT ONLINE DATABASE | ; COLLECTION INFORMAT | ION NOT GIVEN. H | ISTORICAL RECOR | D; EXACT |
| PLSS: T03S, R09E, S | ec. 32 (M) | Accuracy: | 5 miles | | Area (acres): | 0 |
| JTM: Zone-10 N4166 | 6159 E676795 | Latitude/Longitude: | 37.62556 / -120.99657 | | Elevation (feet): | 100 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Ceres (3712058), Rive | erbank (3712068), Brush Lak | e (3712151), Salida | (3712161) | |
| Sources: | | | | | | |

CBP06U0001 CALIFORNIA BEETLE PROJECT (SBMNH) - ONLINE DATABASE RECORDS FOR LYTTA MOESTA. 2006-03-27



California Department of Fish and Wildlife



| Map Index Number: | 39485 | | EO Index: | 97980 |
|--|-----------------|----------------------------|------------------------------------|---|
| Key Quad: | Riverbank (37 | 712068) | Element Code: | IIHYM24380 |
| Occurrence Number: | nce Number: 139 | | Occurrence Last U | pdated: 2015-07-15 |
| Scientific Name: Bo | ombus caliginos | sus | Common Name: | obscure bumble bee |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | IUCN_VU-Vulnerable |
| CNDDB Element Ranks | : Global: | G4? | | |
| | State: | S1S2 | | |
| General Habitat: | | | Micro Habitat: | |
| COASTAL AREAS FRO WASHINGTON STATE. | M SANTA BARA | ABARA COUNTY TO NORTH TO | FOOD PLANT GEN LOTUS, GRINDELIA | ERA INCLUDE BACCHARIS, CIRSIUM, LUPINUS, A AND PHACELIA. |
| Last Date Observed: | 1946-05-25 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1946-05-25 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| MODESTO. | | | | |
| Detailed Location: | | | | |
| EXACT LOCATION UNK | NOWN. MAPPI | ED BY CNDDB IN GENERAL VIO | NITY OF MODESTO. | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| COLLECTED 25 MAY 19 | 946. | | | |
| PLSS: T03S, R09E, Se | ec. 32 (M) | Accuracy: | 5 miles | Area (acres): 0 |
| UTM: Zone-10 N4166 | 159 E676795 | Latitude/Longitude: | 37.62556 / -120.99657 | Elevation (feet): 70 |
| County Summary: | | Quad Summary: | | |
| | | Ceres (3712058), Riv | erbank (3712068), Brush La | ke (3712151), Salida (3712161) |
| Stanislaus | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 39485 | | EO Index: | 98639 |
|--|----------------|--------------------------------------|------------------------|---|
| Key Quad: | Riverbank (37 | 712068) | Element Code: | IIHYM24480 |
| Occurrence Number: | 26 | | Occurrence Last Up | odated: 2015-08-27 |
| Scientific Name: E | ombus crotchii | | Common Name: | Crotch bumble bee |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Rank | s: Global: | G3G4 | | |
| | State: | S1S2 | | |
| General Habitat: | | | Micro Habitat: | |
| COASTAL CALIFORNI SOUTH INTO MEXICO | | SIERRA-CASCADE CREST AN | | ERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA SCHSCHOLZIA, AND ERIOGONUM. |
| ast Date Observed: | 1968-04-01 | | Occurrence Type: | Natural/Native occurrence |
| ast Survey Date: | 1968-04-01 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| _ocation: | | | | |
| MODESTO. | | | | |
| Detailed Location: | | | | |
| | KNOWN. MAPP | ED BY CNDDB IN THE GENERA | L VICINITY OF MODESTO. | |
| Ecological: | | | | |
| Threats: | | | | |
| | | | | |
| General: | | | | |
| General: | 68. | | | |
| General: COLLECTED 1 APR 19 | | Accuracy: | 5 miles | Area (acres): 0 |
| General: COLLECTED 1 APR 19 PLSS: T03S, R09E, S | Sec. 32 (M) | Accuracy: Latitude/Longitude: | | Area (acres): 0 Elevation (feet): 80 |
| General: COLLECTED 1 APR 19 PLSS: T03S, R09E, S | Sec. 32 (M) | • | | |
| General: COLLECTED 1 APR 19 PLSS: T03S, R09E, S UTM: Zone-10 N416 | Sec. 32 (M) | Latitude/Longitude: Quad Summary: | 37.62556 / -120.99657 | · · · |





| Map Index Number: | 97365 | | EO Index: | 98645 |
|--|----------------|-------------------------------|--------------------------|---|
| Key Quad: | Patterson (37 | 12142) | Element Code: | IIHYM24480 |
| Occurrence Number: | 28 | | Occurrence Last Up | odated: 2015-08-28 |
| Scientific Name: B | ombus crotchii | | Common Name: | Crotch bumble bee |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Ranks | s: Global: | G3G4 | | |
| | State: | S1S2 | | |
| General Habitat: | | | Micro Habitat: | |
| COASTAL CALIFORNIA SOUTH INTO MEXICO. | | SIERRA-CASCADE CREST AND | | ERA INCLUDE ANTIRRHINUM, PHACELIA, CLARI SCHSCHOLZIA, AND ERIOGONUM. |
| Last Date Observed: | 1949-06-29 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1949-06-29 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| PATTERSON. | | | | |
| Detailed Location: | | | | |
| EXACT LOCATION UNI | KNOWN. MAPPI | ED BY CNDDB IN THE GENERAL | VICINITY OF PATTERSON | Ν. |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| COLLECTIONS WERE | MADE IN THIS V | /ICINITY ON 6 JUL 1945 AND 29 | JUN 1949. | |
| PLSS: T05S, R08E, S | ec. 30 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4148 | 3741 E665192 | Latitude/Longitude: | 37.47080 / -121.13190 | Elevation (feet): 100 |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Crows Landing (37121 | 41), Patterson (3712142) | |
| Sources: | | | | |
| LEI49S0001 LEIGH | H, T EMEC #5 | 54226 COLLECTED FROM PATT | ERSON 1949-06-29 | |
| LIN45S0001 LINSL | EY, E EMEC | #554224 & 554225 COLLECTED | FROM PATTERSON 1945-0 | 07-06 |



California Department of Fish and Wildlife



| Map Index Numbe | r: 59 | 9274 | | | EO Index: | | 59310 | |
|--------------------------|--------------|---------------|----------|------------------------|---|----------------------|-------------------------|-------|
| Key Quad: | C | opper Mtn. (3 | 3712143) | | Element Code: | Element Code: IIHYM7 | | |
| Occurrence Numb | er: 2 | | | | Occurrence Last U | pdated: | 2007-07-25 | |
| Scientific Name: | Cerat | ochrysis mer | nkei | | Common Name: | Menke's o | cuckoo wasp | |
| Listing Status: | | Federal: | None | | Rare Plant Rank: | | | |
| | | State: | None | | Other Lists: | | | |
| CNDDB Element R | anks: | Global: | G1 | | | | | |
| | | State: | S1 | | | | | |
| General Habitat: | | | | | Micro Habitat: | | | |
| | | | | | | | | |
| Last Date Observe | ed: 19 | 76-05-22 | | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 19 | 76-05-22 | | | Occurrence Rank: | Unknow | n | |
| Owner/Manager: | PV | Τ | | | Trend: | Unknow | n | |
| Presence: | Pre | esumed Exta | nt | | | | | |
| Location: | | | | | | | | |
| DEL PUERTO CAN | IYON. | | | | | | | |
| Detailed Location: | | | | | | | | |
| | E IN DEL | _ PUERTO C | ANYON (S | TANISLAUS COUNT | () IT WAS COLLECTED SO | ALL OF C | CANYON WAS MAPPED. | |
| Ecological: | | | | | | | | |
| Threats: | | | | | | | | |
| General: | | | | | | | | |
| ONE FEMALE; "PR | | | | | | | | |
| PLSS: T06S, R06 | - | · · / | | Accuracy: | nonspecific area | | Area (acres): | 1,307 |
| UTM: Zone-10 N | 14144832 | 2 E648630 | | Latitude/Longitude: | 37.43840 / -121.31991 | | Elevation (feet): | 1,450 |
| County Summary: | | | | Quad Summary: | | | | |
| o | | | | Patterson (3712142), (| Copper Mtn. (3712143), Mt. | Boardman | (3712144) | |
| Stanislaus | | | | | | | | |
| Sources: | | | | | | | | |
| Sources: BOH82A0001 E | | | | | CHRYSIDIDAE IN AMERIC ARTIAL REPRINT). 1982-XX | | I OF MEXICO. MEMOIRS OF | THE |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11863 | | EO Index: | | 21122 |
|---------------------|--------------------|---|------------------------|-------------|--------------------------------|
| Key Quad: | Westley (3712 | 2152) | Element Code: | | PDAPI0Z0S0 |
| Occurrence Number: | currence Number: 1 | | Occurrence Last Up | dated: | 2011-06-27 |
| Scientific Name: E | yngium racemo | sum | Common Name: | Delta but | ton-celery |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | |
| | State: | Endangered | Other Lists: | | |
| CNDDB Element Ranks | : Global: | G1Q | | | |
| | State: | S1 | | | |
| General Habitat: | | | Micro Habitat: | | |
| RIPARIAN SCRUB. | | | SEASONALLY INUN | DATED F | LOODPLAIN ON CLAY. 3-75M. |
| Last Date Observed: | 1948-08-17 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1983-09-XX | | Occurrence Rank: | None | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Possibly Extirp | ated | | | |
| Location: | | | | | |
| NEAR GRAYSON, ABO | JT 2 MILES EA | ST OF WESTLEY. | | | |
| Detailed Location: | | | | | |
| Ecological: | | | | | |
| ASSOCIATED WITH EL | EOCHARIS SP. | | | | |
| Threats: | | | | | |
| - | T UNDER INTE | INSIVE CULTIVATION PER MEDI | EIROS IN 1983. | | |
| | | ITH COLLECTION. NOT OBSERV UT NOT TRUE VERNAL POOL H | | TES EXIS | T NORTH AND SE OF GRAYSON ALON |
| PLSS: T04S, R07E, S | ec. 27 (M) | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N4158 | 964 E660776 | Latitude/Longitude: | 37.56368 / -121.17958 | | Elevation (feet): 55 |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Westley (3712152) | | | |
| Sources: | | | | | |
| MAS48S0001 MASC | N, H. & S. SMI | TH - MASON #8338 UC #1191956 | , LA #35819 1948-08-17 | | |
| MED83F0005 MEDE | | D SURVEY FORM FOR ERYNGIL | | V /V | |

MOR84U0005 MOREY, S. - LETTER TO SUSAN COCHRANE 1984-08-31



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 12093 | | EO Index: | | 20074 | |
|---------------------|-----------------|---|-------------------------|-----------|---------------------------|------------|
| Key Quad: | Crows Landin | g (3712141) | Element Code: | | PDAPI0Z0S0 | |
| Occurrence Number: | 5 | | Occurrence Last U | pdated: | 2003-06-09 | |
| Scientific Name: E | ryngium racemo | sum | Common Name: | Delta but | ton-celery | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | |
| | State: | Endangered | Other Lists: | | | |
| CNDDB Element Ranks | s: Global: | G1Q | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| RIPARIAN SCRUB. | | | SEASONALLY INUN | NDATED F | LOODPLAIN ON CLAY. 3-75N | 1. |
| Last Date Observed: | 1968-03-02 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1985-06-14 | | Occurrence Rank: | None | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | Possibly Extirp | ated | | | | |
| Location: | | | | | | |
| CARPENTER ROAD NE | AR SAN JOAQ | UIN RIVER SOUTH OF MODEST | ГО. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| N HARD CLAY DEPRE | SSIONS. | | | | | |
| Threats: | | | | | | |
| AGRICULTURE. | | | | | | |
| General: | | | | | | |
| | | 8 COLLECTION BY HOOVER (# POSSIBLY EXTIRPATED. | 11144 UC) ATTRIBUTED TO | O THIS SI | TE. NEEDS FIELDWORK IN TH | IS VICINIT |
| PLSS: T05S, R09E, S | ec. 31 (M) | Accuracy: | 1 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4147 | 7105 E674446 | Latitude/Longitude: | 37.45437 / -121.02770 | | Elevation (feet): | 50 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Crows Landing (3712 | 141) | | | |
| Sources: | | | | | | |
| GOO85U0001 GOOI | DROW, V MAT | FERIALS ON FIELD CHECKS OF | HISTORIC LOCATIONS. 1 | 985-07-22 | | |
| HOO65S0001 HOO\ | /ER, R HOOV | ER #9521 RSA #212267, OBI #8 | 971 1965-08-27 | | | |
| | | | | | | |

MOR84F0004 MOREY, S. - FIELD SURVEY FORM FOR ERYNGIUM RACEMOSUM 1984-08-28



California Department of Fish and Wildlife



| Map Index Number: | 11863 | | EO Index: | | 21123 |
|---------------------|-------------------|----------------------------|-----------------------|------------|--|
| Key Quad: | Westley (3712 | 2152) | Element Code: | | PDAST1C011 |
| Occurrence Number: | 3 | | Occurrence Last U | pdated: | 2011-06-27 |
| Scientific Name: B | lepharizonia plur | nosa | Common Name: | big tarpla | ant |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | |
| | State: | None | Other Lists: | SB_RSA | BG-Rancho Santa Ana Botanic Garden |
| CNDDB Element Ranks | s: Global: | G2 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| VALLEY AND FOOTHIL | L GRASSLAND. | | | | NUAL GRASSLAND. CLAY TO CLAY-LOAM S AND OFTEN IN BURNED AREAS. 30-505 |
| Last Date Observed: | 1878-09-01 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1878-09-01 | | Occurrence Rank: | Unknow | vn |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | vn |
| Presence: | Presumed Exta | int | | | |
| Location: | | | | | |
| NEAR GRAYSON, SAN | JOAQUIN VALL | .EY. | | | |
| Detailed Location: | | | | | |
| | KNOWN. MAPPE | ED BY CNDDB AS BEST GUESS | CENTERED ON GRAYSC | N. | |
| Ecological: | | | | | |
| Threats: | | | | | |
| General: | | | | | |
| | | AN 1878 COLLECTION BY LEMM | ION. NEEDS FIELDWORK | | |
| PLSS: T04S, R07E, S | | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N4158 | 3964 E660776 | Latitude/Longitude: | 37.56368 / -121.17958 | | Elevation (feet): |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Westley (3712152) | | | |
| Sources: | | | | | |



California Department of Fish and Wildlife



| Map Index Number: Key Quad: Occurrence Number: | 51039 Patterson (371 37 | 2142) | EO Index: Element Code: Occurrence Last U | 51039 PDAST1C011 pdated: 2013-07-16 |
|--|-------------------------------|--|---|--|
| Scientific Name: B | lepharizonia plun | nosa | Common Name: | big tarplant |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 |
| | State: | None | Other Lists: | SB_RSABG-Rancho Santa Ana Botanic Garden |
| CNDDB Element Ranks | s: Global: | G2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| VALLEY AND FOOTHIL | L GRASSLAND. | | | NS IN ANNUAL GRASSLAND. CLAY TO CLAY-LOAM ON SLOPES AND OFTEN IN BURNED AREAS. 30-505 |
| Last Date Observed: | 2000-10-20 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 2000-10-20 | | Occurrence Rank: | Poor |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Exta | nt | | |
| Location: | | | | |
| LOWER PART OF DEL | PUERTO CANY | ON. | | |
| Detailed Location: | | | | |
| SITE MAPPED FROM T CHANNEL. | RS PROVIDED | IN THE NE 1/4 OF THE NW 1/4 O | OF SECTION 28. APPROXI | MATELY 5 FT FROM EPHEMERAL DRAINAGE |
| Ecological: | | | | |
| | | OMPRISED OF 60% HOLOCARF , AND 5% EREMOCARPUS SET | | ANTHIUM STRUMARIUM, 10% HORDEUM MURINUM |
| Threats: | | | | |
| CATTLE GRAZING, PIF | PELINE RUNS TH | IROUGH SITE, REPAIRS NEEDE | ED. SEED COLLECTED. | |
| General: | | | | |
| 2 PLANTS OBSERVED | IN 2000. SITE W | /ILL BE RESEEDED AFTER PIPE | LINE REPAIRS ARE COM | IPLETED. |
| PLSS: T05S, R07E, S | ec. 28 (M) | Accuracy: | nonspecific area | Area (acres): 44 |
| UTM: Zone-10 N4149 | 9296 E658529 | Latitude/Longitude: | 37.47698 / -121.20711 | Elevation (feet): 300 |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Patterson (3712142) | | |
| Sources: | | | | |
| LYN00F0003 LYNC | H, S FIELD SU | IRVEY FORM FOR BLEPHARIZO | ONIA PLUMOSA 2000-10-2 | 0 |



California Department of Fish and Wildlife



| Map Index Number: | 67023 | | EO Index: | | 67174 |
|-------------------------------|-------------------|----------------------------|-----------------------|------------|--|
| Key Quad: | Patterson (371 | 12142) | Element Code: | | PDAST1C011 |
| Occurrence Number: | 50 | | Occurrence Last U | pdated: | 2006-11-09 |
| Scientific Name: B | lepharizonia plur | nosa | Common Name: | big tarpla | nt |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | |
| | State: | None | Other Lists: | SB_RSA | BG-Rancho Santa Ana Botanic Garden |
| CNDDB Element Rank | s: Global: | G2 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| VALLEY AND FOOTHIL | LL GRASSLAND. | | | | IUAL GRASSLAND. CLAY TO CLAY-LOAM S AND OFTEN IN BURNED AREAS. 30-505 |
| Last Date Observed: | 2003-10-14 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 2003-10-14 | | Occurrence Rank: | Fair | |
| Owner/Manager: | STA COUNTY, | PVT | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | nt | | | |
| Location: | | | | | |
| LOWER DEL PUERTO | CANYON, 1 AIR | MILE SW OF I-5. | | | |
| Detailed Location: | | | | | |
| 0.3 AIR MILE SE OF DE | EL PUERTO FIRI | E CONTROL STATION, ON BOTH | H SIDES OF DEL PUERTO | ROAD. | |
| Ecological: | | | | | |
| | | | | DEUM MAR | RINUM SSP. GUSSONEANUM, BROMUS |
| Threats: | OCARFUS SETI | GERUS, AND HOLOCARPHA SF | | | |
| ROAD MAINTENANCE | | | | | |
| General: | | | | | |
| 17 PLANTS OBSERVE | D IN 2003. | | | | |
| PLSS: T05S, R07E, S | Sec. 29 (M) | Accuracy: | 80 meters | | Area (acres): 0 |
| UTM: Zone-10 N414 | | Latitude/Longitude: | 37.47789 / -121.21893 | | Elevation (feet): 245 |
| | | Quad Summary: | | | |
| County Summary: | | | | | |
| County Summary: Stanislaus | | Patterson (3712142) | | | |



California Department of Fish and Wildlife



| Map Index Number: | 67024 Patterson (371 | 10140) | EO Index: Element Code: | | 67175 PDAST1C011 | |
|---------------------------------|--------------------------------|---|----------------------------|------------|--|--------|
| Key Quad: Dccurrence Number: | 51 | 12142) | Occurrence Last U | Jpdated: | 2013-07-16 | |
| Poiontifio Nomo | lankaninania nlun | | | | | |
| Scientific Name: B | lepharizonia plur | nosa | Common Name: | big tarpla | nt | |
| isting Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | |
| | State: | None | Other Lists: | SB_RSA | BG-Rancho Santa Ana Botanic | Garden |
| CNDDB Element Rank | s: Global: | G2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| ALLEY AND FOOTHIL | L GRASSLAND. | | | - | UAL GRASSLAND. CLAY TO C S AND OFTEN IN BURNED AR | - |
| ast Date Observed: | 2003-10-14 | | Occurrence Type: | Natural/I | Native occurrence | |
| ast Survey Date: | 2003-10-14 | | Occurrence Rank: | Good | | |
| Owner/Manager: | STA COUNTY, PVT Trend: Unknown | | | | | |
| Presence: | Presumed Exta | nt | | | | |
| ocation: | | | | | | |
| OWER DEL PUERTO | CANYON, 1.5 AI | R MILE SOUTHWEST OF I-5. | | | | |
| Detailed Location: | | | | | | |
| .3 AIR MILE SW OF D | EL PUERTO FIR | E CONTROL STATION, ON BOT | H SIDES OF DEL PUERTO | O ROAD. | | |
| cological: | | | | | | |
| | | INUAL GRASSLAND WITH CARI ND GRINDELIA CAMPORUM. | DUUS PYCNOCEPHALUS | , LAGOPH | YLLA RAMOSISSIMA, HORDEI | ML |
| hreats: | | | | | | |
| ROAD MAINTENANCE | PLANTS ON RO | DAD CUT SUBJECT TO EROSIO | N. | | | |
| | | COLLECTIONS FROM LOWER I | | | | |
| PLSS: T05S, R07E, S | ec. 29 (M) | Accuracy: | specific area | | Area (acres): | 5 |
| JTM: Zone-10 N414 | 9043 E656520 | Latitude/Longitude: | 37.47503 / -121.22987 | | Elevation (feet): | 310 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Patterson (3712142) | | | | |
| Sources: | | | | | | |
| | TON, R FIELD | SURVEY FORM FOR BLEPHAR | RIZONIA PLUMOSA 2003-1 | 10-14 | | |
| RE03F0036 PRES | | | | | | |
| | , J VALE SN C | AS #655743 1975-09-17 | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 82469 | | EO Index: | | 83485 |
|----------------------------------|-------------------|----------------------------|-------------------------|------------|--|
| Key Quad: | Copper Mtn. (| 3712143) | Element Code: PDAST | | PDAST1C011 |
| Occurrence Number: | 60 | | Occurrence Last U | pdated: | 2011-05-04 |
| Scientific Name: B | lepharizonia plui | mosa | Common Name: | big tarpla | nt |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | |
| | State: | None | Other Lists: | SB_RSA | BG-Rancho Santa Ana Botanic Garden |
| CNDDB Element Ranks | : Global: | G2 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| VALLEY AND FOOTHIL | L GRASSLAND | | | | IUAL GRASSLAND. CLAY TO CLAY-LOAM S AND OFTEN IN BURNED AREAS. 30-505 |
| Last Date Observed: | 2005-06-27 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 2005-06-27 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| DIABLO GRANDE, WES | ST OF PATTERS | SON. | | | |
| Detailed Location: | | | | | |
| EXACT LOCATION UNI PATTERSON. | KNOWN. MAPPI | ED BY CNDDB AS BEST GUESS | IN VICINITY OF DIABLE G | RANDE C | OUNTRY CLUB IN THE HILLS WEST OF |
| Ecological: | | | | | |
| N FOOTHILL GRASSL | AND. ASSOCIA | TED WITH BROMUS HORDEACE | US, HEMIZONIA LOBBII, A | AND HOLC | DCARPHA HEERMANNII. |
| Threats: | | | | | |
| General: | | | | | |
| ONLY SOURCE OF INF | ORMATION IS | A 2005 PHOTO OBSERVATION E | BY MILLIKEN. NEEDS FIEL | DWORK. | |
| PLSS: T06S, R06E, S | ec. 24 (M) | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N4140 |)520 E653752 | Latitude/Longitude: | 37.39871 / -121.26294 | | Elevation (feet): |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Patterson (3712142), (| Copper Mtn. (3712143) | | |
| | | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11768 | | EO Index: | | 53732 |
|--|----------------------|--|----------------------------------|---|--|
| Key Quad: | Patterson (37 | 12142) | Element Code: | Element Code:PDBRACOccurrence Last Updated:2003-12- | |
| Occurrence Number: | 33 | | Occurrence Last U | | |
| Scientific Name: C | Caulanthus lemme | onii | Common Name: | Lemmon's | s jewelflower |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G3 | | SB_SBBC USFS S- | G-Santa Barbara Botanic Garden Sensitive |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| PINYON-JUNIPER WO | ODLAND, VALLE | EY AND FOOTHILL GRASSLAND | . 80-1220 M. | | |
| Last Date Observed: | 1938-03-18 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 1938-03-18 | | Occurrence Rank: | Unknow | n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | ı |
| Presence: | Presumed Exta | int | | | |
| Location: | | | | | |
| MOUTH OF DEL PUER | TO CANYON. | | | | |
| Detailed Location: | | | | | |
| EXACT LOCATION UN CORRESPONDING EL | | | , IN THE VICINITY OF THE | MOUTH | OF DEL PUERTO CANYON AT THE |
| Ecological: | EVATION PROV | IDED BY HOUVER. | | | |
| Loologioali | | | | | |
| Threats: | | | | | |
| | | | | | |
| General: UNKNOWN NUMBER (| | N IN 1935 AND 1938. NEEDS FIE | ELDWORK. 1935 FERRIS (| COLLECTI | ON FROM "PUERTO CYN" ALSO |
| | SITE. | N IN 1935 AND 1938. NEEDS FIE Accuracy: | ELDWORK. 1935 FERRIS (1 mile | COLLECTI | ON FROM "PUERTO CYN" ALSO Area (acres): 0 |
| General: UNKNOWN NUMBER (ATTRIBUTED TO THIS PLSS: T05S, R07E, S | SITE. | | | COLLECTI | |
| General: UNKNOWN NUMBER (ATTRIBUTED TO THIS PLSS: T05S, R07E, S | SITE. Sec. 20 (M) | Accuracy: | 1 mile | COLLECTI | Area (acres): 0 |
| General: UNKNOWN NUMBER (ATTRIBUTED TO THIS PLSS: T05S, R07E, S UTM: Zone-10 N415 | SITE. Sec. 20 (M) | Accuracy: Latitude/Longitude: | 1 mile 37.48687 / -121.21688 | COLLECTI | Area (acres): 0 |

HOO38S0047 HOOVER, R. - HOOVER #2855 UC #596416 & #767819, CAS #261738, GH #379080 1938-03-18



California Department of Fish and Wildlife



| Map Index Number: | 12109 | | EO Index: | | 5632 | |
|--|---|--|---|------------|---------------------------|---------|
| (ey Quad: | Crows Landing | g (3712141) | Element Code: | | PDCHE040B0 | |
| Occurrence Number: | 12 | | Occurrence Last U | pdated: | 2011-06-13 | |
| Scientific Name: A | triplex cordulata | var. cordulata | Common Name: | heartscale | 9 | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | | |
| | State: | None | Other Lists: | BLM_S-S | ensitive | |
| CNDDB Element Rank | s: Global: | G3T2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CHENOPOD SCRUB, V | ALLEY AND FO | OTHILL GRASSLAND, MEADOW | S. ALKALINE FLATS A SOILS. 0-560 M. | ND SCALI | DS IN THE CENTRAL VALLEY, | SANDY |
| Last Date Observed: | 1965-08-27 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1965-08-27 | | Occurrence Rank: | None | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | ı | |
| Presence: | Extirpated | | | | | |
| Location: | | | | | | |
| | | | | | | |
| CARPENTER ROAD N | EAR THE SAN JO | OAQUIN RIVER. | | | | |
| | EAR THE SAN J | OAQUIN RIVER. | | | | |
| Detailed Location: EXACT LOCATION UN | KNOWN. MAPPE | OAQUIN RIVER. ED BY CNDDB AS BEST GUESS | CENTERED ON AREA OF | CARPEN | FER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UN RIVER, NW OF CROW | KNOWN. MAPPE | | CENTERED ON AREA OF | CARPEN | FER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UN RIVER, NW OF CROWS Ecological: | KNOWN. MAPPE | | CENTERED ON AREA OF | CARPEN | FER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UN RIVER, NW OF CROWS Ecological: Threats: | KNOWN. MAPPE S LANDING. | ED BY CNDDB AS BEST GUESS | CENTERED ON AREA OF | CARPEN | FER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UNI RIVER, NW OF CROWS Ecological: Threats: TAYLOR STATES THIS | KNOWN. MAPPE S LANDING. | ED BY CNDDB AS BEST GUESS | CENTERED ON AREA OF | CARPEN | TER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UNI RIVER, NW OF CROWS Ecological: Threats: TAYLOR STATES THIS General: | KNOWN. MAPPE S LANDING. S OCCURRENCE | ED BY CNDDB AS BEST GUESS | | CARPEN | FER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UN RIVER, NW OF CROWS Ecological: Threats: TAYLOR STATES THIS General: ONLY SOURCE OF INF | KNOWN. MAPPE S LANDING. S OCCURRENCE FORMATION IS / | ED BY CNDDB AS BEST GUESS | | CARPEN | TER ROAD CLOSEST TO SAN | JOAQUIN |
| Detailed Location: EXACT LOCATION UN RIVER, NW OF CROWS Ecological: Threats: TAYLOR STATES THIS General: ONLY SOURCE OF INF PLSS: T06S, R09E, S | KNOWN. MAPPE S LANDING. S OCCURRENCE FORMATION IS / Sec. 06 (M) | ED BY CNDDB AS BEST GUESS E IS NOT EXTANT. A 1965 HOOVER COLLECTION. N | NEEDS FIELDWORK. | CARPEN | | |
| Detailed Location: EXACT LOCATION UN RIVER, NW OF CROWS Ecological: Threats: TAYLOR STATES THIS General: ONLY SOURCE OF INF PLSS: T06S, R09E, S UTM: Zone-10 N414 | KNOWN. MAPPE S LANDING. S OCCURRENCE FORMATION IS / Sec. 06 (M) | ED BY CNDDB AS BEST GUESS E IS NOT EXTANT. A 1965 HOOVER COLLECTION. N Accuracy: | NEEDS FIELDWORK. 1 mile | CARPEN | Area (acres): | 0 |
| EXACT LOCATION UNI RIVER, NW OF CROWS Ecological: Threats: TAYLOR STATES THIS General: ONLY SOURCE OF INF PLSS: T06S, R09E, S | KNOWN. MAPPE S LANDING. S OCCURRENCE FORMATION IS / Sec. 06 (M) | ED BY CNDDB AS BEST GUESS E IS NOT EXTANT. A 1965 HOOVER COLLECTION. N Accuracy: Latitude/Longitude: | NEEDS FIELDWORK. 1 mile 37.44576 / -121.01965 | CARPEN | Area (acres): | 0 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 12109 | | EO Index: | 67276 |
|-----------------------|-----------------|-------------------------------|-------------------------------|--|
| Key Quad: | Crows Landin | g (3712141) | Element Code: | PDCHE042M0 |
| Occurrence Number: | 34 | | Occurrence Last Upda | ted: 2011-05-16 |
| Scientific Name: Atri | iplex minuscula | 3 | Common Name: les | ser saltscale |
| Listing Status: | Federal: | None | Rare Plant Rank: 1B | .1 |
| | State: | None | Other Lists: | |
| CNDDB Element Ranks: | Global: | G2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| CHENOPOD SCRUB, PL | AYAS, VALLE` | Y AND FOOTHILL GRASSLAND. | IN ALKALI SINK AND G 100M. | RASSLAND IN SANDY, ALKALINE SOILS. 20- |
| Last Date Observed: | 1965-08-27 | | Occurrence Type: N | atural/Native occurrence |
| Last Survey Date: | 1965-08-27 | | Occurrence Rank: U | nknown |
| Owner/Manager: | UNKNOWN | | Trend: U | nknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| CARPENTER ROAD, NE | AR SAN JOAQ | UIN RIVER. | | |
| Detailed Location: | | | | |
| EXACT LOCATION UNKN | NOWN. MAPPI | ED AS BEST GUESS BY CNDDB | AT THE FORMER SITE OF A. | DEPRESSA OCCURRENCE #29. |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| | | | | TE. 1936 COLL ORIGINALLY COLLECTED AS ED TO A. MINUSCULA BY ZACHARIAS IN 2010 |
| PLSS: T06S, R09E, Sec | c. 06 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N41461 | 64 E675178 | Latitude/Longitude: | 37.44576 / -121.01965 | Elevation (feet): |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Crows Landing (37121 | 41) | |
| Sources: | | | | |
| HOO36S0044 HOOVE | R, R HOOV | ER #1294 UC #767870 1936-06-1 | 0 | |
| HOO65S0017 HOOVE | ER, R HOOV | ER #9518 OBI (CITED IN TAY93U | J0002) 1965-08-27 | |
| PRE03U0001 PREST | ON, R STAT | US OF ATRIPLEX DEPRESSA, A | ATRIPLEX MINUSCULA, AND A | ATRIPLEX SUBTILIS 2003-11-06 |
| | | | ORDS (COLLECTIONS FOR S | EVERAL TAXA) 1993-07-27 |

TAY93U0002 TAYLOR, D. - ENDEMIC CA ANNUAL ATRIPLEX RECORDS. (COLLECTIONS FOR SEVERAL TAXA) 1993-07-27



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 36785 | | EO Index: | 31782 |
|---|---|-------------------------|-------------------------|--------------------------------------|
| Key Quad: | Crows Landing (37121 | 41) | Element Code: | PDCHE042P0 |
| Occurrence Number: | 9 | | Occurrence Last U | odated: 2011-05-31 |
| Scientific Name: A | triplex persistens | | Common Name: | vernal pool smallscale |
| Listing Status: | Federal: None | | Rare Plant Rank: | 1B.2 |
| | State: None | | Other Lists: | |
| CNDDB Element Ranks | s: Global: G2 | | | |
| | State: S2 | | | |
| General Habitat: | | | Micro Habitat: | |
| VERNAL POOLS. | | | ALKALINE VERNAL | POOLS. 10-115 M. |
| Last Date Observed: | 1965-08-27 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1965-08-27 | | Occurrence Rank: | None |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Possibly Extirpated | | | |
| Location: | | | | |
| CARPENTER ROAD NE | AR THE SAN JOAQUIN | RIVER, 10 MILES SOUT | H OF MODESTO. | |
| Detailed Location: | | | | |
| EXACT LOCATION UNI MAPPED LOCATION B | | EST GUESS BY CNDDB | IN VICINITY OF CARPENT | ER ROAD NEAR SAN JOAQUIN RIVER, NEAR |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| | MARILY BASED ON HOC Y HABITAT IN THE ARE | | OM 1934, 1936, AND 1965 | OCCURRENCE EXTIRPATED ACCORDING TO |
| PLSS: T05S, R08E, S | ec. 25 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4149 | 9791 E674034 | Latitude/Longitude: | 37.47864 / -121.03173 | Elevation (feet): 55 |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Crows Landing (37121 | 41) | |
| Sources: | | | | |
| HOO34S0002 HOO | /ER, R HOOVER #127 | UC #768852 1934-10-21 | | |
| HOO36S0035 HOO | /ER, R HOOVER #129 | 3 UC #768559 1936-06-10 | 0 | |
| HOO36S0058 HOO | /ER, R HOOVER #129 | 1 UC #767580 1936-06-10 | 0 | |
| HOO65S0010 HOO | /ER, R HOOVER #951 | 9 CAS, OBI, RM (CITED I | N TAYNDU0002) 1965-08- | 27 |
| | | | | |

TAYNDU0002 TAYLOR, D. - MAPS AND COLLECTION INFORMATION FOR ATRIPLEX PERSISTENS. XXXX-XX-XX



California Department of Fish and Wildlife



| Man Index Number | | | | | |
|--|---|---|--|--|--------|
| Map Index Number: | 12109 | | EO Index: | 5635 | |
| Key Quad: | Crows Landing (3712 | 141) | Element Code: | PDFAB0F8R1 | |
| Occurrence Number: | 5 | | Occurrence Last Updat | ed: 2008-01-03 | |
| Scientific Name: | Astragalus tener var. tene | r | Common Name: alka | ali milk-vetch | |
| Listing Status: | Federal: None | | Rare Plant Rank: 1B. | 2 | |
| | State: None | | Other Lists: | | |
| CNDDB Element Ran | ks: Global: G2T2 | | | | |
| | State: S2 | | | | |
| General Habitat: | | | Micro Habitat: | | |
| ALKALI PLAYA, VALL | EY AND FOOTHILL GRA | SSLAND, VERNAL POOLS | | FLATS, AND FLOODED LANDS; IN ANN AYAS OR VERNAL POOLS. 0-168 M. | UAL |
| Last Date Observed: | 1940-04-12 | | Occurrence Type: Na | atural/Native occurrence | |
| Last Survey Date: | 2002-03-25 | | Occurrence Rank: No | one | |
| Owner/Manager: | UNKNOWN | | Trend: Ur | known | |
| Presence: | Extirpated | | | | |
| Location: | | | | | |
| NEAR CROWS LAND | NG BRIDGE, EAST OF T | HE SAN JOAQUIN RIVER | | | |
| Detailed Location: | | | | | |
| | ONS MADE IN THIS ARE RPENTER ROAD NEAR \$ | | ITE REFERENCES ON THESE | E COLLECTIONS INCLUDE: "10 MILES SO | OUTH O |
| | | | | | |
| | | | | | |
| Ecological: | | | | | |
| Ecological: Threats: General: | | | | | |
| Ecological: Threats: General: COLLECTED SEVERA | | | | GAIN FOR SUITABLE HABITAT. NO PLAN CHES SPRAYED REGULARLY. | NTS OR |
| Ecological: Threats: General: COLLECTED SEVERA | IN VICINITY BY WITHAN | | | | NTS OR |
| Ecological: Threats: General: COLLECTED SEVERA HABITAT OBSERVED PLSS: T06S, R09E, | IN VICINITY BY WITHAN | I IN 2002. AREA UNDER I | NTESIVE CULTIVATION, DITO | CHES SPRAYED REGULARLY. | NTS OR |
| Ecological: Threats: General: COLLECTED SEVER/ HABITAT OBSERVED PLSS: T06S, R09E, UTM: Zone-10 N41/ | IN VICINITY BY WITHAN Sec. 06 (M) | I IN 2002. AREA UNDER I Accuracy: | NTESIVE CULTIVATION, DITO 1 mile | CHES SPRAYED REGULARLY. Area (acres): 0 | NTS OR |
| Ecological: Threats: General: COLLECTED SEVERA HABITAT OBSERVED PLSS: T06S, R09E, UTM: Zone-10 N41 County Summary: | IN VICINITY BY WITHAN Sec. 06 (M) | / IN 2002. AREA UNDER I Accuracy: Latitude/Longitude: | NTESIVE CULTIVATION, DITC 1 mile 37.44576 / -121.01965 | CHES SPRAYED REGULARLY. Area (acres): 0 | NTS OR |
| Ecological: Threats: General: COLLECTED SEVER/ HABITAT OBSERVED PLSS: T06S, R09E, UTM: Zone-10 N41/ County Summary: Stanislaus | IN VICINITY BY WITHAN Sec. 06 (M) | A IN 2002. AREA UNDER I Accuracy: Latitude/Longitude: Quad Summary: | NTESIVE CULTIVATION, DITC 1 mile 37.44576 / -121.01965 | CHES SPRAYED REGULARLY. Area (acres): 0 | NTS OR |
| Ecological: Threats: General: COLLECTED SEVERA HABITAT OBSERVED PLSS: T06S, R09E, UTM: Zone-10 N41 County Summary: Stanislaus Sources: | IN VICINITY BY WITHAN Sec. 06 (M) 46164 E675178 | A IN 2002. AREA UNDER I Accuracy: Latitude/Longitude: Quad Summary: | NTESIVE CULTIVATION, DITO 1 mile 37.44576 / -121.01965 41) | CHES SPRAYED REGULARLY. Area (acres): 0 | NTS OR |
| Ecological: Threats: General: COLLECTED SEVERA HABITAT OBSERVED PLSS: T06S, R09E, UTM: Zone-10 N414 County Summary: Stanislaus Sources: HOO35S0010 HOO | IN VICINITY BY WITHAN Sec. 06 (M) 46164 E675178 OVER, R HOOVER #393 | A IN 2002. AREA UNDER I Accuracy: Latitude/Longitude: Quad Summary: Crows Landing (371214 | NTESIVE CULTIVATION, DITO 1 mile 37.44576 / -121.01965 41) 1935-03-28 | CHES SPRAYED REGULARLY. Area (acres): 0 | NTS OR |
| Ecological: Threats: General: COLLECTED SEVERA HABITAT OBSERVED PLSS: T06S, R09E, UTM: Zone-10 N41- County Summary: Stanislaus Sources: HOO35S0010 HOC HOO37S0033 HOC | IN VICINITY BY WITHAN Sec. 06 (M) 46164 E675178 OVER, R HOOVER #393 OVER, R HOOVER #164 | A IN 2002. AREA UNDER I Accuracy: Latitude/Longitude: Quad Summary: Crows Landing (371214 3 UC #764740 & #596543 c | NTESIVE CULTIVATION, DITO 1 mile 37.44576 / -121.01965 41) 1935-03-28 5 | CHES SPRAYED REGULARLY. Area (acres): 0 | NTS OR |



California Department of Fish and Wildlife



| • | 45760 | | EO Index: | | 45760 |
|----------------------|-----------------------------------|---|-----------------------|-----------|--|
| Key Quad: | Patterson (3712142) Element Code: | | PDGER01070 | | |
| Occurrence Number: | 36 | | Occurrence Last U | pdated: | 2010-12-16 |
| Scientific Name: Ca | lifornia macropl | hylla | Common Name: | round-lea | aved filaree |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks: | Global: | G3? | | _ | BG-Rancho Santa Ana Botanic Garden G-Santa Barbara Botanic Garden |
| | State: | S3? | | _ | |
| General Habitat: | | | Micro Habitat: | | |
| CISMONTANE WOODLA | ND, VALLEY A | ND FOOTHILL GRASSLAND. | CLAY SOILS. 15-12 | 200 M. | |
| Last Date Observed: | 2005-05-13 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2005-05-13 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | int | | | |
| Location: | | | | | |
| 2 MILES WEST OF PATT | FERSON, EAST | SIDE OF INNER COAST RANG | E. | | |
| Detailed Location: | | | | | |
| EXACT LOCATION UNK | NOWN. MAPPE | ED AS BEST GUESS BY CNDDB | AT FOOTHILLS AROUND | 2 MILES V | WEST OF PATTERSON. |
| Ecological: | | | | | |
| OPEN GRASSLAND, SP | ARSE VEGETA | ATION. | | | |
| Threats: | | | | | |
| General: | | | | | |
| | | R THIS SITE IS A 1940 COLLECT OF PATTERSON" ALSO ATTRI | | | MILLIKEN IN CALPHOTOS FROM "EAST EDS FIELDWORK. |
| PLSS: T05S, R07E, Se | ec. 26 (M) | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N41479 | 988 E661824 | Latitude/Longitude: | 37.46462 / -121.17014 | | Elevation (feet): |
| | | Quad Summary: | | | |
| County Summary: | | 4444 6 4111141.j. | | | |
| | | Patterson (3712142) | | | |



California Department of Fish and Wildlife



| Map Index Number: | 11803 | | EO Index: | 45784 |
|---------------------|------------------|--------------------------------|-----------------------|--|
| Key Quad: | Westley (3712 | 2152) | Element Code: | PDGER01070 |
| Occurrence Number: | 37 | | Occurrence Last U | |
| Scientific Name: C | alifornia macrop | hylla | Common Name: | round-leaved filaree |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 |
| - | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Rank | s: Global: | G3? | | SB_RSABG-Rancho Santa Ana Botanic Garder SB_SBBG-Santa Barbara Botanic Garden |
| | State: | S3? | | |
| General Habitat: | | | Micro Habitat: | |
| CISMONTANE WOODL | AND, VALLEY A | AND FOOTHILL GRASSLAND. | CLAY SOILS. 15-12 | 200 M. |
| Last Date Observed: | 1935-03-01 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1935-03-01 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| WESTLEY. | | | | |
| Detailed Location: | | | | |
| EXACT LOCATION UN | KNOWN. MAPPI | ED BY CNDDB IN VICINITY OF W | /ESTLEY. | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| ONLY SOURCE OF INF | FORMATION FO | R THIS SITE IS 1935 COLLECTION | ON BY HOOVER. NEEDS F | FIELDWORK. |
| PLSS: T04S, R07E, S | Sec. 33 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N415 | 7044 E658837 | Latitude/Longitude: | 37.54673 / -121.20195 | Elevation (feet): |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Westley (3712152) | | |
| | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11768 | | EO Index: | 21509 |
|---|-----------------|----------------------------|-----------------------|--|
| Key Quad: | Patterson (371 | 2142) | Element Code: | PDPAP0A0D0 |
| Occurrence Number: | 2 | | Occurrence Last U | Ipdated: 1989-08-11 |
| Scientific Name: Es | chscholzia rhon | nbipetala | Common Name: | diamond-petaled California poppy |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks | Global: | G1 | | SB_RSABG-Rancho Santa Ana Botanic Garden |
| | State: | S1 | | |
| General Habitat: | | | Micro Habitat: | |
| VALLEY AND FOOTHILL | . GRASSLAND. | | ALKALINE, CLAY S | SLOPES AND FLATS. 0-975 M. |
| Last Date Observed: | 1940-04-13 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1980-XX-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | nt | | |
| Location: | | | | |
| HILL NORTH OF MOUTH | HOF DEL PUER | RTO CANYON. | | |
| Detailed Location: | | | | |
| EXACT LOCATION UNK | NOWN, MAPPE | ED BY CNDDB AS A BEST GUES | S. | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| SITE IS BASED ON A 19 FIND THE PLANTS. | 40 HOOVER C | OLLECTION. CLARK EXTENSIVI | ELY SEARCHED THIS ARI | EA IN 1980 AND IN PREVIOUS YEARS, BUT DID NO |
| PLSS: T05S, R07E, Se | ec. 20 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4150 | 377 E657644 | Latitude/Longitude: | 37.48687 / -121.21688 | Elevation (feet): |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Patterson (3712142), V | Westley (3712152) | |
| Sources: | | | | |

HOO40S0006 HOOVER, R. - HOOVER #4345 DS #329247, UC #765994 1940-04-13



California Department of Fish and Wildlife



| County Summary: Stanislaus | | Brush Lake (3712151 | 1) | |
|-------------------------------|-----------------|---------------------------|-------------------------------------|---|
| County Summary: | | | | |
| | | Quad Summary: | | |
| UTM: Zone-10 N416 | 2481 E670479 | Latitude/Longitude: | 37.59362 / -121.06896 | Elevation (feet): 50 |
| PLSS: T04S, R08E, S | Sec. 15 (M) | Accuracy: | 2/5 mile | Area (acres): 0 |
| ONLY SOURCE OF INF | ORMATION FO | R THIS OCCURRENCE IS A 19 | 69 COLLECTION BY HAMILT | ON. NEEDS FIELDWORK. |
| General: | | | | |
| Threats: | | | | |
| Ecological: | | | | |
| | KNOWN. MAPPI | ED AS BEST GUESS BY CNDD | B IN GENERAL VICINITY OF | COUCHMAN FARMS DAIRY FACILITY. |
| POUND ALONG DITCH | TO COW BARN | I AT COUCHMAN RANCH, MOE | JESTU. | |
| | | | | |
| Presence: | Presumed Exta | ant | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Last Survey Date: | 1969-05-03 | | Occurrence Rank: | Unknown |
| Last Date Observed: | 1969-05-03 | | Occurrence Type: | Natural/Native occurrence |
| CISMONTANE WOODL | AND, MEADOW | 'S AND SEEPS. | OPEN MOIST SITES DESERT SEEPS. 3 | 6, ALONG RIVERS AND SPRINGS, ALKALINE 00-2000 M. |
| General Habitat: | | | Micro Habitat: | |
| | State: | S2 | | |
| CNDDB Element Rank | | G5 | | |
| | State: | None | Other Lists: | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 2B.2 |
| Scientific Name: S | phenopholis obt | usata | Common Name: | prairie wedge grass |
| Occurrence Number: | 16 | | Occurrence Last Up | odated: 2010-10-11 |
| Key Quad: | Brush Lake (3 | 712151) | Element Code: | PMPOA5T030 |
| | | | | |





Query Criteria: Quad is (Solyo (3712153) or Tracy (3712164) or Vernalis (3712163))

| American badger AMAJF04010 None None G5 S3 SSC Taxidoa taxus Digtarplant PDAST1C011 None None G2 S2 1B.1 Blepharizonia plumosa ABNSB10010 None None G2 S2 1B.1 Blepharizonia plumosa ABNSB10010 None None G4 S3 SSC California reduceduria ABNSB10010 None None G4 S3 SSC California reducegod frog AAABH01022 Threatened None G2G3 S2S3 SSC California reducegod frog AAAAA01180 Threatened Threatened G2G3 S2S3 SSC California reducegod frog AAAAA01180 Threatened Threatened G3G4 S3S4 SSC California reduced tard ARACF12100 None None G3G4 S3S4 SSC Phrynosoma blainvillii Crotch bumble bee IIIYM24480 None None G3G4 S1S2 Banebus crotchii | Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
|---|----------------------------------|--------------|----------------|--------------|-------------|------------|--------------------------------------|
| big tarplant Bephatizonia plumosaPDAST1001NoneNoneG2S218.1Bephatizonia plumosaABNSB10010NoneNoneNoneS3SSCCalifornia eta cunculariaABPAT02011NoneNoneGST3QS3WLCalifornia tedgegd frog AnnayoniaAAABH01022ThreatenedNoneGST3QS2SSSCCalifornia etdgegg drog AnnayonaAAABH01022ThreatenedNoneG2G3S2SSSCCalifornia etdgegg and dayoniaAAABH01022ThreatenedNoneG1S11B.1California etdgegg and dayoniaPDBRA2R010NoneNoneG1S1SSCCalifornia etdgegg and dayoniaPDBRA2R010NoneNoneG3G4S34SSCCalifornia etdgegg and dayoniaPDBRA2R010NoneNoneG3G4S1S2SSCCast horned lizad Phynosoma bisimiliiPDPR02DSNoneNoneG3G4S1S2SSCCroch bumble bee Bombus crotchiIIHYM24480NoneNoneG3G4S1S2SSCCroch bumble bee Bombus crotchiIIHYM24480NoneNoneG3G4S1S2SSCCroch bumble bee | American badger | AMAJF04010 | None | None | G5 | S3 | SSC |
| Bispharizonia plumosaburrowing owl Athene cuniculariaABNSB10010NoneNoneG4S3SSCAthene cuniculariaCalifornia homed lark Leramophila alpestris aciaAABH01021NoneNoneG5T3QS3WLCalifornia rod-legged frog Rana dayloriiAAABH01022ThreatenedNoneG2G3S2S3SSCCalifornia rod-legged frog Rana dayloriiAAAAA01180ThreatenedNoneG2G3S2S3SSCCalifornia rod-legged frog Anbystoma californianseAAAAA01180ThreatenedNoneG3G4S1S2SSCAmbystoma californianseropidocarpum TropidocarpumPDBRA2R010NoneNoneG3G4S3S4SSCArbrystoma californianseUUUUUUUcager-fruited tropidocarpum tropidocarpumPDBRA2R010NoneNoneG3G4S3S4SSCAmbystoma californianseUUUUUUUUcager-fruited tropidocarpum tropidocarpumPDBRA2R010NoneNoneG3G4S3S4SSCCrotch bumble be Bombus crotchiUUNoneNoneG1QS11B.1Eryngium racemosum diamod-petaled California popy California popyPDPAPI02000NoneNoneG1QS11B.1Erder Valley Cottonwood Riparian Forest Ureo belli pusiliusUUNoneNoneG1ZS2S2S2State Valley Cottonwood Riparian Forest Caulan | Taxidea taxus | | | | | | |
| burrowing owi Athene curiculariaABNSB10010NoneNoneG4S3SSCCalifornia hormed lark termophila alpestris actiaABPAT02011NoneNoneG573QS2SSCCalifornia trod-legged frog Rana draynoniiAAABH01022ThreatenedNoneG2G3S2S3SSCCalifornia trod-legged frog Rana draynoniiAAAAA01180ThreatenedThreatenedG2G3S2S3SSCCalifornia trod-legged frog Rana draynoniiAAAAA01180ThreatenedThreatenedG2G3S2S3SSCCalifornia trod-legged frog Ambystoma celifornienseAAAAA01180ThreatenedThreatenedG1S1B1Caper-fruited tropidocarpum apparideumPDBRAZR010NoneNoneG1S1B1Cost hormed lizard Bornbus crotchiPDBRAZR010NoneNoneG3G4S354SSCDelta button-celery Eryngium racemosumPDAP1020S0NoneEndangeredG1QS1B1Crotch bumble bea (atmand-pretala Crotari arbonbigetalaS1S1S1S2S2Delta button-celery Eryngium racemosumPDAP1020S0NoneNoneG1QS1B1Crotch bumble bea (atmand-pretala Creat Valley Cottorwood Riparian ForestCTG1f1410CANoneNoneG1S1S2S2Iarge-flowered fiddleneck Ansticki grandfloraPDBR01050EndangeredEndangeredG1S1S1S2S2Iarge-flowered fiddleneck Caulantus lammon | big tarplant | PDAST1C011 | None | None | G2 | S2 | 1B.1 |
| Athene cuniculariaCalifornia normed lark Eremophile algestris actiaABPAT02011NoneNoneG5T3QS3WLCalifornia reduged frog Rana draytoriiAAABH01022TneatenedNoneG2G3S2S3SSCCalifornia reduged frog Arhaystorna californienseAAAAA01180TneatenedNoneG2G3S2S3SSCcaper-fruited tropidocarpum Topidocarpum capparideumPDBRA2R010NoneNoneG1S11B.1Topidocarpum capparideumARACF12100NoneNoneG3G4S1S2SSCPhynosoma bainvilliIterationen bainvilliIterationen bainvilliS1S2SSCCotch bumble bee Eyrogium cacemosumIIHYM24480NoneNoneG3G4S1S2SSCPhynosoma bainvilliIterationen bainvilliIterationen bainvilliSSCSSCSSCCotch bumble bee Eyrogium racemosumIIHYM24480NoneNoneG3G4S1S2SSCTotch bumble bee Eyrogium racemosumIIHYM24480NoneNoneG1CS1IIHIterational cardinal poppyPDPAP0A0D0NoneNoneG1CS1IIHEditorial poppitaliaCTT61410CANoneNoneG2S2S2IIEIterational bailiIterational bailiIterational bailiS1Iterational bailiIterational bailiS1Iterational bailiEditoria poppitaliaCTT61410CANoneNoneG2S2S2Iterational bailiIter | Blepharizonia plumosa | | | | | | |
| California horned lark Eremophila algestris actiaABPAT02011NoneNoneG5T3QS3WLCalifornia red-legged frog Rana draytoriiAAABH01022ThreatenedNoneG2G3S2S3SSCCalifornia red-legged frog Anbystoma californienseAAAA01180ThreatenedThreatenedG2G3S2S3SSCCalifornia red-legged frog Ambystoma californienseAAAA01180ThreatenedThreatenedG2G3S2S3SSCCalifornia red-legged frog Ambystoma californiensePDBRA2R01NoneNoneG1S118.1Tropidocarpum capparideum Poprosoma blainvilliARACF12100NoneNoneG3G4S3S4SSCPhrynosoma blainvilliIHYM24480NoneNoneG3G4S1S2Tropidocarpum capparideumCrotch bumble be Bombus crotchiiIHYM24480NoneNoneG1QS118.1Eryngium racemosumIIIIIIYM24480NoneRoneG1QS118.1Eryngium racemosumIII | burrowing owl | ABNSB10010 | None | None | G4 | S3 | SSC |
| Eremophile alpestris actiaCalifornia red-legged frog Rana draytoniiAAABH01022ThreatenedNoneG2G3S2S3SSCCalifornia inges alamader Ambystoma californianseAAAAA01180ThreatenedThreatenedG2G3S2S3SSCcaper/ruled tropidocarpum Tropidocarpum capparideumPDBRA2R010NoneNoneG1S11B.1Tropidocarpum capparideumARACF12100NoneNoneG3G4S3S4SSCPhynosoma blainvilliiCost homed lizad Bombus crotchiARACF12100NoneNoneG3G4S1S2Tropidocarpum structureCrotch bumble be Bombus crotchiIIHYM24480NoneNoneG3G4S1S2Tropidocarpum structureS1S2Tropidocarpum structureS1S2Tropidocarpum structureS1S2Tropidocarpum structureS1S2S1S2S1S2S1S2Crotch bumble be Bombus crotchiIIHYM24480NoneNoneG3G4S1S2Tropidocarpum structureS1S2 | Athene cunicularia | | | | | | |
| California red-legged frog Rana draytoniiAAABH01022ThreatenedNoneG203S2S3SSCCalifornia tiger salamader Anhystoma californienseAAAAA01180ThreatenedThreatenedG2G3S2S3SSCCalifornia tiger salamader Anhystoma californiensePDBRA2R010NoneNoneG3G4S118.1caper-fruited tropidocarpum tropidocarpum capparideumPDBRA2R010NoneNoneG3G4S1S118.1Coast horned lizard Phrynosona blainvilliARACF12100NoneNoneG3G4S1S2SSCCrotch bumble bee Bombus crotchiiPDAPI020S0NoneRoneG3G4S1S2SSCDelta button-celery ammodiant popyPDAPP0A0D0NoneNoneG10S118.1Eryngium racemasum (amond-petaled California popy Rana boyliiPDPAP0A0D0NoneNoneG3S3SSCCreat Valley Cottonwood Riparian Forest Great Valley Cottonwood Riparian ForestPDBAL0QOF0NoneNoneG2S218.1Iarge-flowered fiddeneck Ansinck grandifica Calamitus lemmoniPDBRA0M0E0NoneNoneG3S3SSCIarge-flowered fiddeneck Calamitus lemmoniPDBRA0M0E0NoneNoneG3S2S2S2Iarge-flowered fiddeneck Calamitus lemmoniPDBRA0M0E0NoneNoneG3S3S2S2Iarge-flowered fiddeneck Calamitus lemmoniABNKD06030NoneNoneG3S3S2S2S2 <td>California horned lark</td> <td>ABPAT02011</td> <td>None</td> <td>None</td> <td>G5T3Q</td> <td>S3</td> <td>WL</td> | California horned lark | ABPAT02011 | None | None | G5T3Q | S3 | WL |
| Rana draytoriiCalifornia tiger salamander Anhystorna californienseAAAAA01180ThreatenedThreatenedS2G3S2G3SSCCaper-fruited tropidocarpum Tropidocarpum capparideumPDBRA2R010NoneNoneG1S11B.1coast horned lizard Phynosona blainvilliiARACF12100NoneNoneG3G4S3S4SSCPhynosona blainvilliiIIIHYM24480NoneNoneG3G4S1S2TotoCrotch bumble bee Bombus crotchiiIIHYM24480NoneEndangeredG1QS11B.1Eryngium racemosumIIIHYM24480NoneNoneG1QS11B.1Eryngium racemosumPDAPI020S0NoneEndangeredG1QS11B.1Eschscholzia rhombipatalaS3AAABH01050NoneNoneG3S3SSCGreat Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1ITHal's bush-mallow Malacothamus halliPDMAL0Q0F0NoneNoneG3S3SSCVireo bellii pusillusEndangeredEndangeredG11S11B.1Leamon's jewellower fuelow-legue from Malecothamus halliPDBA00000NoneNoneG2S21B.2Image-lowered fiddleneck react Valley Cottonwood Riparian ForestPDBA00000NoneNoneG3S3SCLeamon's jewellower rote dalliABPEW01114EndangeredEndangeredG1S11B.1Internoti jewellower rote obe | Eremophila alpestris actia | | | | | | |
| Anbystoma californiense caper-fruited tropidocarpum capparideum coast horned lizard ARACF12100 None None GaG4 S1 1B.1 Tropidocarpum capparideum ARACF12100 None None GaG4 S3S4 SSC Phrynosoma blainvilli IIIHYM24480 None None GaG4 S1S2 SS Crotch bumble bee IIIHYM24480 None None GaG4 S1S2 IB.1 Erynosoma blainvilli IIIHYM24480 None None GaG4 S1S2 IB.1 Delta button-celery PDAPI0ZOS0 None Endangered G1Q S1 1B.1 Exstricticiar inomipretala IIII IIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | AAABH01022 | Threatened | None | G2G3 | S2S3 | SSC |
| cape-fuiled tropidocarpum capparideumPDBRA2R010NoneNoneG1S11B.1Tropidocarpum capparideumARACF12100NoneNoneG3G4S3S4SSCPhnynosoma blainvilliiIIHYM2440NoneNoneG3G4S1S2SSCCrotch bumble beeIIHYM2440NoneNoneG3G4S1S2IIS2Delta button-celeryPDAPI020S0NoneEndangeredG1QS11B.1Erynglum racemosumPDAP000DNoneNoneG3G4S11B.1Eschscholzia fhombipetalaPDPAP000DNoneNoneG3G4S2SSCGreat Valley Cottonwood Riparian ForestCTT61410CANoneNoneG3S3SSCGreat Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1ISMalacothamnus haliiPDBCR01050EndangeredEndangeredG1S11B.1Amsinckia grandifloraPDBCR01050EndangeredEndangeredG1S11B.1Image-flowered fiddleneckPDBCR01050EndangeredEndangeredG3S2S21B.2Lemmon's jewelflowerPDBRA000E0NoneNoneG3S3S2S2S2Image-flowered fiddleneckPDBRA000E0NoneNoneG3S3S2S2S2Lemmon's jewelflowerPDBRA000E0NoneNoneG3S3S2S2S2Image-flowered fiddleneckPDBRA000E0NoneNo | California tiger salamander | AAAAA01180 | Threatened | Threatened | G2G3 | S2S3 | SSC |
| Tropidocarpum capparideum coast horned lizard ARACF12100 None None G3G4 S3S4 SSC Phynosoma blainvilli Vertex Vertex SSC SSC Crotch bumble bee III YM24480 None None G3G4 S3S4 SSC Bombus crotchii Vertex PDPAPI0ZOS0 None Endangered G1Q S1 IB.1 Eryngium racemosum PDPAP0A0D0 None None G1 S1 IB.1 Ediabutto-celery PDPAP0A0D0 None None G1 S1 IB.1 Great Valley Cottonwood Riparian Forest CTT61410CA None None G2 S2 IB.2 Malacothammus balli Ediabutto-celeretificalenac | Ambystoma californiense | | | | | | |
| coast horned lizard Phrynosoma blainvilliiARACF12100NoneNoneG3G4S3S4SSCPhrynosoma blainvilliiIIIHYM24480NoneNoneG3G4S1S2IIICrotch bumble bee Bombus crotchiiIIIHYM24480NoneNoneG3G4S1S2IIIDelta button-celery Eryngium racemosumPDAPI020S0NoneEndangeredG1QS11B.1Bryngium racemosumPDPAP0A0D0NoneNoneG1S11B.1Eschschola rhombipetalaSSCRana boyliiSSCSSCGreat Valley Cottonwood Riparian Forest Great Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S21B.2Hall's bush-mallow Malacothamus halliiPDBRA00000NoneNoneG2S21B.2Iarge-flowered fideleneck Amsinckia grandifioraABPBW01114EndangeredEndangeredG1S11B.1Lemmon's jewelflower Falco Culanthus kermoniiABNKD06000NoneNoneG3S3S2Mu Diablo phacelia Phacelia phacelioidesABNKD06300NoneNoneG3S31B.2Mu Diable barbentingPDHR00000NoneNoneG3S3S3S2Iter StatisticRadio StatisticS3S3S3S3S3S3S3Iter StatisticPDBR01050EndangeredEndangeredG1S1S1S1S1Iter StatisticRadio StatisticRadio StatisticRadio Statisti | caper-fruited tropidocarpum | PDBRA2R010 | None | None | G1 | S1 | 1B.1 |
| Phynosoma blainvilliiCroch bumble bee Bombus crotchiiIIHYM24480NoneNoneG3G4S1S2Delta button-celery Eryngium racemosumPDAP10Z0S0NoneEndangeredG1QS11B.1Bryngium racemosumPDPAP0A0D0NoneNoneG1QS11B.1diamond-petaled California poppy Eschschotai rhombipetalaPDPAP0A0D0NoneNoneG3S3SSCRana boyliiAAABH01050NoneNoneG3S3SSCRana boyliiCTT61410CANoneNoneG2S2.1TGreat Valley Cottonwood Riparian Forest Great Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S21B.2Malacothamus halliiEndangeredEndangeredG1S11B.1S1S1S1S1Jarge-flowered fiddleneck Amsinckia grandifloraPDBOR01050EndangeredEndangeredG5T2S2S2S2Lemmon's jewelflower ro belli pusillusABPBW01114EndangeredEndangeredG5T2S2S2S2Lemmon's jewelflower ro belli pusillusPDBRA00E0NoneNoneG5S3S4NB.2Mulacothamus ratioHDND0G300NoneNoneG1S1S1S2Malacothamus ro belli pusillusHDND0G300NoneNoneG5S3S4NB.2Lemmon's jewelflower ro belli pusillusHDND0G300NoneNoneG1S1S1S1Falco co | Tropidocarpum capparideum | | | | | | |
| Crocch bumble bee Bombus crotchiiIIHYM24480NoneNoneG3G4S1S2Delta button-celery Eryngium racemosumPDAPI0Z0S0NoneEndangeredG1QS118.1diamond-petaled California poppy Estoscholzia rhombipetalaPDPAP0A0D0NoneNoneG1S118.1diamond-petaled California poppy Estoscholzia rhombipetalaPDPAP0A0D0NoneNoneG1S118.1forthill yellow-legged frog Rana boyliiAAABH01050NoneNoneG3S3SSCGreat Valley Cottonwood Riparian Forest Great Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.118.2Half's bush-mallow Malacothamnus halliiPDBA01020FNoneNoneG3S3S218.2Iarge-flowered fiddleneck Amsinckia grandiffora Caulanthus lemmoniPDBR01050EndangeredEndangeredG1S118.1Iarge-flowered fiddleneck Caulanthus lemmoniPDBR00000NoneNoneG3S3S218.2Ierest bell's vireo Viro bellii pusillusABPBW01114EndangeredEndangeredG1S118.2Ierentin Caulanthus lemmoniABNKD06030NoneNoneG3S3S318.2Ierentin Caulanthus lemmoniABNKD06030NoneNoneG1S118.2Ierentin Caulanthus lemmoniABNKD06030NoneNoneG1S118.2Ierentin Caulanthus lemmoniABNKD06030None <th< td=""><td>coast horned lizard</td><td>ARACF12100</td><td>None</td><td>None</td><td>G3G4</td><td>S3S4</td><td>SSC</td></th<> | coast horned lizard | ARACF12100 | None | None | G3G4 | S3S4 | SSC |
| Bombus crotchiiDelta button-celery Eryngium racemosumPDAPI0Z0S0 PDPAP0A0D0NoneEndangeredG1QS11B.1Eryngium racemosumPDPAP0A0D0NoneNoneG1S11B.1diamond-petaled California poppy Esscholzia rhombipetalaPDPAP0A0D0NoneNoneG1S11B.1Eschscholzia rhombipetalaAAABH01050NoneNoneG3S3SSCforthil yellow-legged frog Rana boyliiAAABH01050NoneNoneG2S2.1Standard Standard Stand | Phrynosoma blainvillii | | | | | | |
| Delta buttor-celery Eryngium racemosumPDAPI0Z0S0NoneEndangeredG1QS11B.1diamond-petaled California poppy Eschscholzia rhombipetalaPDPAP0A0D0NoneNoneG1S11B.1isochtill yellow-legged frog Rana boyliiAAABH01050NoneNoneG3S3SSCGreat Valley Cottonwood Riparian Forest Great Valley Cottonwood Riparian ForestCTT61410CA PDMAL0Q0F0NoneNoneG2S2.1Hall's bush-mallow Malacothamnus halliiPDBOR01050EndangeredEndangeredG1S11B.1Iarge-flowered fiddleneck Vireo bellii pusillusPDBRA0M0E0NoneNoneG2S21B.2Vireo bellii pusillusPDBRA0M0E0NoneEndangeredG5T2S21B.2merlin Falco columbariusABNKD06030NoneNoneG5S3S4WLFalco columbariusPDHYD0C3Q0NoneNoneG1S11B.2Phacelia phacelioidesPDHYD0C3Q0NoneNoneG2S2S2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S2S34WL | Crotch bumble bee | IIHYM24480 | None | None | G3G4 | S1S2 | |
| Eryngium racenosumdiamond-petaled California poppy Eschscholzia rhombipetalaPDPAP0A0D0 PDPAP0A0D0NoneNoneG1S11B.1Eschscholzia rhombipetalaAAABH01050NoneNoneG3S3SSCRana boyliiCTT61410CANoneNoneG2S2.1Image: Control of the second seco | Bombus crotchii | | | | | | |
| damond-petaled California poppy Eschscholzia rhombipetalaPDPAP0A0D0NoneNoneNoneG1S11B.1foothill yellow-legged frog Rana boyliiAAABH01050NoneNoneNoneG3S3SSCGreat Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1Image: Comparison of the second se | Delta button-celery | PDAPI0Z0S0 | None | Endangered | G1Q | S1 | 1B.1 |
| Escheolzia rhombipetala foothill yellow-legged frogAAABH01050NoneNoneG3S3SSCRana boyliiGreat Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1Great Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S21B.2Hall's bush-mallowPDMAL0Q0F0NoneNoneG2S21B.2Malacothamnus halliiPDBOR01050EndangeredEndangeredG1S11B.1Amsinckia grandifloraPDBOR01050EndangeredEndangeredG5T2S2S2Leammon's jewelflowerABPBW01114EndangeredEndangeredG3S31B.2Caulanthus lemmoniiABNKD06030NoneNoneG3S31B.2merlinABNKD06030NoneNoneG1S11B.2Falco columbariusPDHYDOC3Q0NoneNoneG1S11B.2Phacelia phacelioidesPDAST2LOC0NoneNoneG2S21B.2Mt. Hamilton coreopsisPDAST2LOC0NoneNoneG2S21B.2 | Eryngium racemosum | | | | | | |
| foothill yellow-legged frog Rana boyliiAAABH01050NoneNoneG3S3SSCGreat Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1Image: Comparison of the co | diamond-petaled California poppy | PDPAP0A0D0 | None | None | G1 | S1 | 1B.1 |
| Rana boyliiCTT61410CANoneNoneG2S2.1Great Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1Hal's bush-mallow Malacothamnus halliiPDMAL0Q0F0NoneNoneG2S21B.2Iarge-flowered fiddleneck Amsinckia grandifloraPDBOR01050EndangeredEndangeredG1S11B.1Ieast Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG5T2S2S2Lemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2Mertin Falco columbariusABNKD06030NoneNoneG5S3S4WLFalco columbariusPDHYD0C3Q0NoneNoneG1S11B.2Mt. Diablo phacelia PhacelioidesPDAST2L0C0NoneNoneG2S21B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | Eschscholzia rhombipetala | | | | | | |
| Great Valley Cottonwood Riparian ForestCTT61410CANoneNoneG2S2.1Hal's bush-mallow Malacothamnus halliiPDMAL0Q0F0NoneNoneG2S2.1Iarge-flowered fiddleneck Amsinckia grandifloraPDBOR01050EndangeredEndangeredG1S11B.1Ieast Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG32S2Terminal (S1)Lemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneNoneG33S31B.2Mertin Falco columbariusABNKD06030NoneNoneS0G51S3S4WLMt. Diablo phacelia Phacelia phacelioidesPDAST2L0C0NoneNoneS0G2S212Mt. Hamilton coreopsisPDAST2L0C0NoneNoneS0G2S212Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S2S212 | foothill yellow-legged frog | AAABH01050 | None | None | G3 | S3 | SSC |
| Great Valley Cottonwood Riparian ForestPDMAL0Q0F0NoneNoneG2S21B.2Hall's bush-mallow Malacothamnus halliiPDMAL0Q0F0NoneNoneG2S21B.2Iarge-flowered fiddleneck Amsinckia grandifloraPDBOR01050EndangeredEndangeredG1S11B.1Ieast Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG5T2S2S2Lemmon's jeweflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlin Falco columbariusABNKD06030NoneNoneG1S11B.2Mt. Diablo phacelia Phacelia phacelioidesPDAST2L0C0NoneNoneG2S21B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | Rana boylii | | | | | | |
| Malacothamnus halliilarge-flowered fiddleneck Amsinckia grandifforaPDBOR01050EndangeredEndangeredG1S11B.1least Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG5T2S2S2Lemmon's jewefflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlin Falco columbariusABNKD06030NoneNoneG5T2S3S4WLMt. Diablo phacelia Phacelia phacelioidesPDHYD0C3Q0NoneNoneG1S11B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | | CTT61410CA | None | None | G2 | S2.1 | |
| large-flowered fiddleneck Amsinckia grandifloraPDBOR01050EndangeredEndangeredG1S11B.1least Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG5T2S2Lemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlin Falco columbariusABNKD06030NoneNoneG5S3S4WLMt. Diablo phacelia Phacelia phacelioidesPDHYD0C3Q0NoneNoneG1S11B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | Hall's bush-mallow | PDMAL0Q0F0 | None | None | G2 | S2 | 1B.2 |
| Amsinckia grandifloraleast Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG5T2S2Lemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlin Falco columbariusABNKD06030NoneNoneG5S3S4WLMt. Diablo phacelia Phacelia phacelioidesPDHYD0C3Q0NoneNoneG1S11B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | Malacothamnus hallii | | | | | | |
| Icases Bell's vireo Vireo bellii pusillusABPBW01114EndangeredEndangeredG5T2S2Lemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlin Falco columbariusABNKD06030NoneNoneG5S3S4WLMt. Diablo phacelia Phacelia phacelioidesPDHYD0C3Q0NoneNoneG1S11B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneKoneG2S21B.2 | large-flowered fiddleneck | PDBOR01050 | Endangered | Endangered | G1 | S1 | 1B.1 |
| Vireo bellii pusillusLemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlinABNKD06030NoneNoneG5S3S4WLFalco columbariusPDHYD0C3Q0NoneNoneG1S11B.2Mt. Diablo phacelia Phacelia phacelioidesPDAST2L0C0NoneNoneG2S21B.2 | Amsinckia grandiflora | | | | | | |
| Lemmon's jewelflower Caulanthus lemmoniiPDBRA0M0E0NoneNoneG3S31B.2merlin Falco columbariusABNKD06030NoneNoneG5S3S4WLMt. Diablo phacelia Phacelia phacelioidesPDHYD0C3Q0NoneNoneG1S11B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneKoneG2S21B.2 | least Bell's vireo | ABPBW01114 | Endangered | Endangered | G5T2 | S2 | |
| Caulanthus lemmonii merlin ABNKD06030 None None G5 S3S4 WL Falco columbarius PDHYD0C3Q0 None None G1 S1 1B.2 Mt. Diablo phacelia phacelioides PDAST2L0C0 None None G2 S2 1B.2 | Vireo bellii pusillus | | | | | | |
| merlinABNKD06030NoneNoneG5S3S4WLFalco columbariusPDHYD0C3Q0NoneNoneG1S11B.2Mt. Diablo phacelioidesPDAST2L0C0NoneNoneG2S21B.2 | Lemmon's jewelflower | PDBRA0M0E0 | None | None | G3 | S3 | 1B.2 |
| Falco columbarius PDHYD0C3Q0 None G1 S1 1B.2 Mt. Diablo phacelia Phacelia phacelioides PDHYD0C3Q0 None None G1 S1 1B.2 Mt. Hamilton coreopsis PDAST2L0C0 None None G2 S2 1B.2 | Caulanthus lemmonii | | | | | | |
| Mt. Diablo phacelia Phacelia phacelioidesPDHYD0C3Q0NoneNoneG1S11B.2Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | merlin | ABNKD06030 | None | None | G5 | S3S4 | WL |
| Phacelia phacelioides Mt. Hamilton coreopsis PDAST2L0C0 None G2 S2 1B.2 | Falco columbarius | | | | | | |
| Mt. Hamilton coreopsisPDAST2L0C0NoneNoneG2S21B.2 | Mt. Diablo phacelia | PDHYD0C3Q0 | None | None | G1 | S1 | 1B.2 |
| | Phacelia phacelioides | | | | | | |
| Leptosyne hamiltonii | - | PDAST2L0C0 | None | None | G2 | S2 | 1B.2 |
| | Leptosyne hamiltonii | | | | | | |



Selected Elements by Common Name California Department of Fish and Wildlife

California Natural Diversity Database



| Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
|--|--------------|----------------|-------------------------|-------------|------------|--------------------------------------|
| pallid bat | AMACC10010 | None | None | G5 | S3 | SSC |
| Antrozous pallidus | | | | | | |
| riparian (=San Joaquin Valley) woodrat | AMAFF08081 | Endangered | None | G5T1Q | S1 | SSC |
| Neotoma fuscipes riparia | | | | | | |
| riparian brush rabbit | AMAEB01021 | Endangered | Endangered | G5T1 | S1 | |
| Sylvilagus bachmani riparius | | | | | | |
| round-leaved filaree | PDGER01070 | None | None | G3? | S3? | 1B.2 |
| California macrophylla | | | | | | |
| Sacramento anthicid beetle | IICOL49010 | None | None | G1 | S1 | |
| Anthicus sacramento | | | | | | |
| San Joaquin kit fox | AMAJA03041 | Endangered | Threatened | G4T2 | S2 | |
| Vulpes macrotis mutica | | | | | | |
| San Joaquin Pocket Mouse | AMAFD01060 | None | None | G2G3 | S2S3 | |
| Perognathus inornatus | | | | | | |
| San Joaquin whipsnake | ARADB21021 | None | None | G5T2T3 | S2? | SSC |
| Masticophis flagellum ruddocki | | | | | | |
| showy golden madia | PDAST650E0 | None | None | G2 | S2 | 1B.1 |
| Madia radiata | | | | | | |
| slough thistle | PDAST2E0U0 | None | None | G2 | S2 | 1B.1 |
| Cirsium crassicaule | | | | | | |
| song sparrow ("Modesto" population) | ABPBXA3010 | None | None | G5 | S3? | SSC |
| Melospiza melodia | | | | | | |
| steelhead - Central Valley DPS | AFCHA0209K | Threatened | None | G5T2Q | S2 | |
| Oncorhynchus mykiss irideus | | | | | | |
| Swainson's hawk | ABNKC19070 | None | Threatened | G5 | S3 | |
| Buteo swainsoni | | | | | | |
| Townsend's big-eared bat | AMACC08010 | None | Candidate Threatened | G3G4 | S2 | SSC |
| Corynorhinus townsendii | | | Inteateneu | | | |
| Tracy's eriastrum | PDPLM030C0 | None | Rare | G3Q | S3 | 3.2 |
| Eriastrum tracyi | | | | | | |
| tricolored blackbird | ABPBXB0020 | None | None | G2G3 | S1S2 | SSC |
| Agelaius tricolor | | | | | | |
| valley elderberry longhorn beetle | IICOL48011 | Threatened | None | G3T2 | S2 | |
| Desmocerus californicus dimorphus | | | | | | |
| western mastiff bat | AMACD02011 | None | None | G5T4 | S3S4 | SSC |
| Eumops perotis californicus | | | | | | |
| western pond turtle | ARAAD02030 | None | None | G3G4 | S3 | SSC |
| Emys marmorata | | | | | | |
| western spadefoot | AAABF02020 | None | None | G3 | S3 | SSC |
| Spea hammondii | | | | | | |
| western yellow-billed cuckoo | ABNRB02022 | Threatened | Endangered | G5T2T3 | S1 | |
| Coccyzus americanus occidentalis | | | | | | |

Record Count: 41





Query Criteria: Quad is (Solyo (3712153) or Tracy (3712164) or Vernalis (3712163))

| Map Index Number: | 45881 | | EO Index: | | 45881 | | |
|----------------------|-----------------|--|-----------------------------|--|--|------------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | AAAAA01180 | | |
| Occurrence Number: | 550 | | Occurrence Last Updated: 20 | | 2001-09-10 | 2001-09-10 | |
| Scientific Name: A | mbystoma califo | orniense | Common Name: | Common Name: California tiger salamander | | | |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | | | | |
| | State: | Threatened | Other Lists: | | SSC-Species of Special Concern | า | |
| CNDDB Element Ranks | s: Global: | G2G3 | | IUCN_VL | CN_VU-Vulnerable | | |
| | State: | S2S3 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| - | | LISTED AS THREATENED. SANT. S FEDERALLY LISTED AS | | NAL POOL | UGES, ESPECIALLY GROUNE LS OR OTHER SEASONAL WA | | |
| Last Date Observed: | 1992-02-10 | | Occurrence Type: | Natural/ | Native occurrence | | |
| Last Survey Date: | 1992-02-10 | | Occurrence Rank: | Unknow | 'n | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | | |
| Presence: | Presumed Exta | ant | | | | | |
| Location: | | | | | | | |
| 5.4 MILES SSW OF TR | ACY, SOUTH O | F INTERSTATE 580. | | | | | |
| Detailed Location: | | | | | | | |
| ALONG CORRAL HOLL | OW ROAD, 6.6 | ROAD MILES EAST OF THE ALA | MEDA-SAN JOAQUIN CO | UNTY LIN | E. | | |
| Ecological: | | | | | | | |
| Threats: | | | | | | | |
| General: | | | | | | | |
| CAS #183179, ADULT N | MALE COLLECT | TED 10 FEB 1992 BY M.R. JENNIN | NGS. | | | | |
| PLSS: T03S, R05E, S | ec. 19 (M) | Accuracy: | 1/10 mile | | Area (acres): | 0 | |
| UTM: Zone-10 N4169 | 9839 E635290 | Latitude/Longitude: | 37.66577 / -121.46604 | | Elevation (feet): | 342 | |
| County Summary: | | Quad Summary: | | | | | |
| San Joaquin | | Tracy (3712164) | | | | | |
| | | | | | | | |

COLLECTIONS) FOR AMBYSTOMA CALIFORNIENSE 2001-02-14





| | ber: | 75407 | | EO Index: | 76411 |
|--|--|--|---|--|---|
| Key Quad: | - | Fracy (371216 | 4) | Element Code: | AAAA01180 |
| Occurrence Nur | mber: | 1089 | | Occurrence Last U | pdated: 2014-08-26 |
| Scientific Name | : Amb | ystoma califor | niense | Common Name: | California tiger salamander |
| isting Status: | | Federal: | Threatened | Rare Plant Rank: | |
| | | State: | Threatened | Other Lists: | CDFW_SSC-Species of Special Concern |
| NDDB Elemen | t Ranks: | Global: | G2G3 | | IUCN_VU-Vulnerable |
| | | State: | S2S3 | | |
| General Habitat | : | | | Micro Habitat: | |
| | NOMA CO | | STED AS THREATENED. SANT FEDERALLY LISTED AS | | UND REFUGES, ESPECIALLY GROUND SQUIRRE NAL POOLS OR OTHER SEASONAL WATER REEDING. |
| ast Date Obsei | rved: 2 | 013-04-11 | | Occurrence Type: | Natural/Native occurrence |
| ast Survey Dat | t e: 2 | 013-04-11 | | Occurrence Rank: | Fair |
|)wner/Manager | : D | OE-LAWREN | CE LIVERMORE LAB | Trend: | Unknown |
| resence: | Р | resumed Extai | nt | | |
| ocation: | | | | | |
| LONG CORRA | L HOLLO | V ROAD, 0.25 | MILES WEST OF CASTLE ROO | CK AND 0.75 MILES EAST (| OF BM 539. |
| etailed Locatio | on: | | | | |
| ITE 300. MAPP | PED ACCC | RDING TO PR | ROVIDED COORDINATES, THO | UGH ROB11D0001 COOR | DINATES DO NOT APPEAR TO MATCH HABITAT |
| ESCRIPTION. | | | | | |
| ESCRIPTION. | | | | | |
| ESCRIPTION. Cological: OVERFLOW PO OUND IN RIDG | E-TOP G | | | | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL |
| ESCRIPTION. Cological: OVERFLOW PO OUND IN RIDG URROWS IN A | E-TOP G | | | | OF GROUNDWATER. DECEASED INDIVIDUAL |
| DESCRIPTION. Cological: DVERFLOW PO OUND IN RIDG SURROWS IN A Chreats: | BE-TOP GI REA. | RASSLAND. C | | T SURROUNDING THIS SI | OF GROUNDWATER. DECEASED INDIVIDUAL |
| DESCRIPTION. Cological: DVERFLOW PO OUND IN RIDG URROWS IN A Preats: DSSIBLE THRI | BE-TOP GI REA. | RASSLAND. C | TS LIKELY IN UPLAND HABITA | T SURROUNDING THIS SI | OF GROUNDWATER. DECEASED INDIVIDUAL |
| ESCRIPTION. cological: VERFLOW PO OUND IN RIDG URROWS IN A hreats: OSSIBLE THRI ieneral: ADULTS OBSE | SE-TOP GI REA. EATS ARE ERVED OI | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 | TS LIKELY IN UPLAND HABITA | NT SURROUNDING THIS SI VITY. ASED ON 17 JAN 1996. 3 L | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF |
| ESCRIPTION. cological: DVERFLOW PO OUND IN RIDG URROWS IN A 'hreats: OSSIBLE THRI constitution constitutio | SE-TOP GI REA. EATS ARE ERVED OI EVISITED | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 | TS LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ | NT SURROUNDING THIS SI VITY. ASED ON 17 JAN 1996. 3 L | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF |
| DESCRIPTION. Cological: DVERFLOW PO COUND IN RIDG BURROWS IN A Threats: POSSIBLE THRI COSSIBLE THRI COS | GE-TOP GI REA. EATS ARE ERVED OI EVISITED R04E, Sec | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 | TS LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ I ADULT FOUND DEAD AND CO | AT SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL ARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. |
| DESCRIPTION. Cological: DVERFLOW PO COUND IN RIDG BURROWS IN A Chreats: POSSIBLE THRI COSSIBLE THRI COS | GE-TOP GI REA. EATS ARE ERVED OI EVISITED R04E, Sec D N416647 | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 26 (M) | TS LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ I ADULT FOUND DEAD AND CO Accuracy: | T SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 specific area | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. Area (acres): 15 |
| DESCRIPTION. Cological: DVERFLOW PO OUND IN RIDG SURROWS IN A Threats: POSSIBLE THRI COSSIBLE THRI COSS | GE-TOP GI REA. EATS ARE ERVED OI EVISITED R04E, Sec D N416647 | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 26 (M) | TS LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ I ADULT FOUND DEAD AND CO Accuracy: Latitude/Longitude: | T SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 specific area | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. Area (acres): 15 |
| ESCRIPTION. cological: DVERFLOW PO OUND IN RIDG URROWS IN A hreats: POSSIBLE THRI constant of the second possible THRI constant of the second conty Summation conty S | GE-TOP GI REA. EATS ARE ERVED OI EVISITED R04E, Sec D N416647 | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 26 (M) | TES LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE ADULT FOUND DEAD AND CO Accuracy: Latitude/Longitude: Quad Summary: | T SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 specific area | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. Area (acres): 15 |
| DESCRIPTION. Cological: DVERFLOW PO OUND IN RIDG BURROWS IN A Chreats: POSSIBLE THRI COSSIBLE THRI COSS | E-TOP GI REA. EATS ARE ERVED OI EVISITED R04E, Sec D N416647 ry: ROBER | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 26 (M) 24 E632770 | TES LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ ADULT FOUND DEAD AND CO Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | AT SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 specific area 37.63581 / -121.49522 | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. Area (acres): 15 |
| DESCRIPTION. Cological: DVERFLOW PO COUND IN RIDG BURROWS IN A Threats: POSSIBLE THRI COSSIBLE THRI COS | GE-TOP GI REA. EATS ARE ERVED OI EVISITED R04E, Sec D N416647 ry: ROBER CENTRA | RASSLAND. C E EXPLOSIVE N 21 FEB 1995 ON 16 APR. 1 26 (M) 4 E632770 | TES LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ ADULT FOUND DEAD AND CO Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | AT SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 specific area 37.63581 / -121.49522 G) - EXCEL TABLE OF OBS | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL LARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. Area (acres): 15 Elevation (feet): 540 |
| DESCRIPTION. Cological: DVERFLOW PO OUND IN RIDG BURROWS IN A Threats: POSSIBLE THRI COSSIBLE THRI COSS | E-TOP GI REA. EATS ARE EVED OI EVISITED R04E, Sec D N416647 ry: ROBER CENTRA WOOLLI 2013-04 | RASSLAND. C E EXPLOSIVE N 21 FEB 1996 ON 16 APR. 1 26 (M) 4 E632770 FSON, T. (COM L CALIFORNI ETT, J. (LAWR 11 ETT, J. (LAWR | TES LIKELY IN UPLAND HABITA TESTING AND VEHICLE ACTIV 5. 1 FEMALE CAPTURED/RELE/ ADULT FOUND DEAD AND CO Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) NDOR COUNTRY CONSULTING A 2011-11-XX ENCE LIVERMORE NATIONAL | AT SURROUNDING THIS SI /ITY. ASED ON 17 JAN 1996. 3 L DLLECTED ON 11 APR 201 specific area 37.63581 / -121.49522 G) - EXCEL TABLE OF OBS LABORATORY) - FIELD SI | OF GROUNDWATER. DECEASED INDIVIDUAL ITE DURING MOST OF THE YEAR; MAMMAL ARVAE OBSERVED ON 2 APR 2010 WITH USE OF 13. Area (acres): 15 Elevation (feet): 540 |



California Department of Fish and Wildlife



| Map Index Number: | 32321 | | EO Index: | | 2701 |
|--|--------------------------------|---|---|---------------------|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | AAABF02020 |
| Occurrence Number: | 52 | | Occurrence Last U | pdated: | 2015-06-10 |
| Scientific Name: S | pea hammondii | | Common Name: | western | spadefoot |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G3 | | | SSC-Species of Special Concern T-Near Threatened |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| OCCURS PRIMARILY I VALLEY-FOOTHILL HA | | HABITATS, BUT CAN BE FOUNE DLANDS. | D IN VERNAL POOLS AF | RE ESSEN | NTIAL FOR BREEDING AND EGG-LAYING. |
| Last Date Observed: | 2010-03-05 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2010-03-05 | | Occurrence Rank: | Exceller | nt |
| Owner/Manager: | DFG, DOE | | Trend: | Stable | |
| Presence: | Presumed Exta | nt | | | |
| Location: | | | | | |
| CORRAL HOLLOW IN | THE VICINITY O | F CASTLE ROCK AND CASTLE F | ROCK FIRE STATION, SSV | V OF TRA | ACY. |
| Detailed Location: | | | | | |
| SPECIMENS W/GENE COUNTY LINE. 1992 D PROPERTY. | RAL LOCALITY L ETECTIONS AT | IKE "CORRAL HOLLOW" ATTRIE CORRAL HOLLOW ECOLOGIC/ | BUTED HERE; ALSO THOS AL RESERVE. 2010 DETEC | SE FROM CTION ON | CORRAL HOLLOW RD, 3-4 MI E OF THE I LAWRENCE LIVERMORE NAT'L LAB |
| Ecological: | | | | | |
| AREA NOT OPEN FOR AURORA TADPOLES A | | | N SURROUNDED BY GRA | SSLAND. | BUFO BOREAS, HYLA REGILLA, AND RAN |
| Threats: | | | | | |
| THREATENED BY SILT | TATION FROM N | EARBY SVRA & ROAD MORTAL | ITY. | | |
| General: | | | | | |
| | | '62, '68, '70, '77, '81, '83, '85, '87, I IN MAR 1999. 1 DOR COLLECT | | | & JUVENILES OBSERVED IN 1992. 7 IN MAR 2010. |
| PLSS: T03S, R04E, S | Sec. 25 (M) | Accuracy: | 3/5 mile | | Area (acres): 0 |
| UTM: Zone-10 N416 | 7186 E633070 | Latitude/Longitude: | 37.64219 / -121.49169 | | Elevation (feet): 475 |
| County Summary: | | Quad Summary: | | | |
| | | | vay (3712165) | | |



Occurrence Report California Department of Fish and Wildlife California Natural Diversity Database



| Sources: | |
|------------|--|
| AND56S0009 | ANDERSON, J MVZ #65641, 65642, & 65643, COLLECTED FROM "CORRAL HOLLOW." 1956-04-30 |
| AND59S0001 | ANDERSON, J MVZ #68255, COLLECTED FROM "CORRAL HOLLOW." 1959-04-29 |
| BOU87S0003 | BOUNDY, J. & A. FORD - SJSU #188110, COLLECTED FROM "CENT. CORRAL HOLLOW, SAN JOAQUIN CO., CA." 1987-05-15 |
| BRA59S0002 | BRADFORD, C CAS HERP #86190, COLLECTED FROM "CORRAL HOLLOW." 1959-XX-XX |
| BRO92F0027 | BRODE, J. & M. WORKMAN (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR SPEA HAMMONDII 1992-03-26 |
| BUC96S0001 | BUCHHOLZ, D MVZ #234174, COLLECTED FROM "CORRAL HOLLOW." 1996-11-17 |
| CRI59S0002 | CRIPPEN, R. & C. DONOVAN - MVZ #68138, 68139, 68140, & 68141, COLLECTED FROM "CORRAL HOLLOW." 1959-04-11 |
| EDW85R0001 | EDWARDS, K SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-002296]. 1985-XX-XX |
| ELY01F0002 | ELY, E FIELD SURVEY FORM FOR SPEA HAMMONDII 2001-02-19 |
| ELY01S0003 | ELY, F. & E. ELY - CAS HERP #218644 COLLECTED FROM CORRAL HOLLOW RD AT THE CASTLE ROCK FIRE STATION. 2001-03- 04 |
| HER88S0001 | HERLOCKER, D CAS HERP #174099, COLLECTED FROM "CORRAL HOLLOW RD, 12.3 MI E OF GREENVILLE RD." 1988-04-08 |
| JOH68S0003 | JOHNSON, A MVZ #84588, COLLECTED FROM "CORRAL HOLLOW RD., ATOMIC RESEARCH CENTER AREA, CORRAL HOLLOW." 1968-05-14 |
| KAR56S0004 | KARLSTROM, E MVZ #68055, COLLECTED FROM "CORRAL HOLLOW." 1956-05-01 |
| MAC87S0003 | MACEY, J MVZ #227643 & 227644, COLLECTED FROM "CORRAL HOLLOW RD., 3.1 MI E ALAMEDA COUNTY LINE." 1987-05-06 |
| ROB11D0001 | ROBERTSON, T. (CONDOR COUNTRY CONSULTING) - EXCEL TABLE OF OBSERVATIONS MADE DURING 2010 AND 2011 IN CENTRAL CALIFORNIA 2011-11-XX |
| RUT70S0003 | RUTH, S MVZ #88578, COLLECTED FROM "CORRAL HOLLOW, 4.0 MI E SAN JOAQUIN AND ALAMEDA COUNTY LINE." 1970-01-13 |
| RUT70S0004 | RUTH, S MVZ #88579, COLLECTED FROM "CORRAL HOLLOW, 4.0 MI E SAN JOAQUIN AND ALAMEDA COUNTY LINE." 1970-01-13 |
| SEI81S0001 | SEIB, R MVZ #176788 & 176789, COLLECTED FROM "CORRAL HOLLOW RD." 1981-12-18 |
| SEI83S0001 | SEIB, R MVZ #191466, COLLECTED FROM "CORRAL HOLLOW RD." 1983-09-08 |
| SWE77S0003 | SWEET, S. & J. CADLE - MVZ #145187, COLLECTED FROM "CORRAL HOLLOW, 3 MI E SAN JOAQUIN COUNTY LINE." 1977-03-15 |
| TEB62S0001 | TEBERG, E MVZ #229915, COLLECTED FROM "CA. 14 MI E LIVERMORE." 1962-06-05 |
| WOO04U0001 | WOOLLETT, J.S. (LAWRENCE LIVERMORE NATIONAL LABORATORY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-002987] 2004-03-23 |
| WOO95F0008 | WOOLLETT, J. (LAWRENCE LIVERMORE NATIONAL LABORATORY) - FIELD SURVEY FORM FOR SPEA HAMMONDII 1995-03-22 |
| WOO95F0009 | WOOLLETT, J. (LAWRENCE LIVERMORE NATIONAL LABORATORY) - FIELD SURVEY FORM FOR SPEA HAMMONDII 1995-03-22 |
| WOR92F0006 | WORKMAN, M. & T. KING - FIELD SURVEY FORM FOR SPEA HAMMONDII 1992-05-18 |
| WOR92F0007 | WORKMAN, M. & T. KING - FIELD SURVEY FORM FOR SPEA HAMMONDII 1992-04-13 |
| WOR92F0008 | WORKMAN, M. & T. KING - FIELD SURVEY FORM FOR SPEA HAMMONDII 1992-04-29 |
| | |





| Map Index Num | nber: 1 | 17126 | | EO Index: | | 9603 | |
|---|---|--|--|---|--|--|--|
| Key Quad: | Ţ | Fracy (371216 | 64) | Element Code: | | AAABH01022 | |
| Occurrence Nu | mber: 2 | 26 | | Occurrence Last Updated: | | 2009-04-23 | |
| Scientific Name | e: Rana | a draytonii | | Common Name: | California | red-legged frog | |
| Listing Status: | | Federal: | Threatened | Rare Plant Rank: | | | |
| | | State: | None | Other Lists: | CDFW_S | SC-Species of Special Concerr | ı |
| CNDDB Elemer | nt Ranks: | Global: | G2G3 | | IUCN_VU | -Vulnerable | |
| | | State: | S2S3 | | | | |
| General Habita | t: | | | Micro Habitat: | | | |
| | | | R PERMANENT SOURCES OF Y OR EMERGENT RIPARIAN | | | PERMANENT WATER FOR LA ACCESS TO ESTIVATION HA | |
| Last Date Obse | erved: 20 | 008-02-12 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Da | te: 20 | 008-02-12 | | Occurrence Rank: | Fair | | |
| Owner/Manage | r: P | VT | | Trend: | Unknowr | 1 | |
| Presence: | Р | resumed Exta | ant | | | | |
| - | on: | | | | | | OW ECO |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OI Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I | AN & EMEF NLY STAN RAZING. IN IGHTED AI A. MARMO R04E, Sec. | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) | BACEOUS VEGETATION. INTER R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: | DOWNSTREAM SIDE OF BF D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area | RIDGE IN 1 | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): | GAE. WAT 20/93 & 3 8. 64 |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OI Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I | AN & EMEF NLY STAN RAZING. IN IGHTED AI A. MARMO R04E, Sec. | DING WATEF TRODUCED MONG VEGE RATA ALSO I | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & | DOWNSTREAM SIDE OF BF D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area | RIDGE IN 1 | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 | GAE. WAT 20/93 & 3 8. |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I UTM: Zone-1 County Summa | AN & EMEF NLY STAN IGHTED A A. MARMO R04E, Sec. 0 N416873 | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: | DOWNSTREAM SIDE OF BF D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area | RIDGE IN 1 | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): | GAE. WAT 20/93 & 3 8. 64 |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I UTM: Zone-1 County Summa | AN & EMEF NLY STAN IGHTED A A. MARMO R04E, Sec. 0 N416873 | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: | DOWNSTREAM SIDE OF BF D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area | RIDGE IN 1 | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): | GAE. WAT 20/93 & 3 8. 64 |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I UTM: Zone-1 County Summa San Joaquin Sources: | AN & EMEF NLY STAN IGHTED A A. MARMO R04E, Sec. 0 N416873 ary: | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) 32 E633410 | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | DOWNSTREAM SIDÉ OF BF D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area 37.65607 / -121.48755 | RIDGE IN 1 1 OBSER 0. 1 LARGI | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): Elevation (feet): | GAE. WAT 20/93 & 3 8. 64 400 |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. / PLSS: T03S, I UTM: Zone-1 County Summa San Joaquin Sources: BRO90F0001 | AN & EMEF NLY STAN RAZING. IN GHTED AI A. MARMO R04E, Sec. 0 N416873 ary: BRODE, | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) 32 E633410 J.M. (CALIFC | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | DOWNSTREAM SIDE OF BR D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area 37.65607 / -121.48755 | 1 OBSER 0. 1 LARGI | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): Elevation (feet): | GAE. WAT 20/93 & 3 8. 64 400 |
| Detailed Locati Ecological: MIXED RIPARIA 2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I UTM: Zone-1 County Summa San Joaquin Sources: BRO90F0001 CRO08F0003 | AN & EMEF NLY STAN RAZING. IN IGHTED AI A. MARMO R04E, Sec. 0 N416873 ary: BRODE, CROUCI | DING WATEF TRODUCED MONG VEGE RATA ALSO I . 24 (M) 32 E633410 J.M. (CALIFC H, K. (PADRE | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) DRNIA DEPARTMENT OF FISH E ASSOCIATES, INC.) - FIELD SI | DOWNSTREAM SIDE OF BE D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area 37.65607 / -121.48755 AND WILDLIFE) - FIELD SU URVEY FORM FOR RANA E | 1 OBSER 0. 1 LARGI | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): Elevation (feet): | GAE. WAT 20/93 & 3 8. 64 400 |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I UTM: Zone-1 County Summa San Joaquin Sources: BRO90F0001 CRO08F0003 ELY93F0033 | AN & EMEF NLY STAN RAZING. IN IGHTED AI A. MARMO R04E, Sec. 0 N416873 ary: BRODE, CROUCI ELY, E | DING WATEF TRODUCED MONG VEGE RATA ALSO I . 24 (M) 32 E633410 J.M. (CALIFC H, K. (PADRE - FIELD SUR\ | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) DRNIA DEPARTMENT OF FISH E ASSOCIATES, INC.) - FIELD SI VEY FORM FOR RANA DRAYTO | DOWNSTREAM SIDE OF BR D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area 37.65607 / -121.48755 AND WILDLIFE) - FIELD SU URVEY FORM FOR RANA I DNII 1993-03-12 | 1 OBSER 0. 1 LARGI | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): Elevation (feet): | GAE. WAT 20/93 & 3 8. 64 400 |
| Detailed Locati Ecological: MIXED RIPARIA <2 FT DEEP. OF Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. A PLSS: T03S, I UTM: Zone-1 County Summa San Joaquin Sources: BRO90F0001 CRO08F0003 ELY93F0033 ELY93F0034 | AN & EMEF NLY STAN AZING. IN IGHTED AI A. MARMO R04E, Sec. 0 N416873 ary: BRODE, CROUCI ELY, E ELY, E | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) 32 E633410 J.M. (CALIFC H, K. (PADRE FIELD SUR\ | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) DRNIA DEPARTMENT OF FISH ASSOCIATES, INC.) - FIELD SI VEY FORM FOR RANA DRAYTO | DOWNSTREAM SIDE OF BE D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area 37.65607 / -121.48755 AND WILDLIFE) - FIELD SU URVEY FORM FOR RANA E DNII 1993-03-12 DNII 1993-04-20 | 1 OBSER 0. 1 LARGI | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): Elevation (feet): RM FOR RED-LEGGED FROG | GAE. WA1 20/93 & 3 8. 64 400 |
| <2 FT DEEP. OI Threats: LIVESTOCK GR General: 1 SUBADULT S SEEN 5/10/93. / PLSS: T03S, I | AN & EMEF NLY STAN RAZING. IN IGHTED AI A. MARMO R04E, Sec. 0 N416873 ary: BRODE, CROUCI ELY, E ELY, E | DING WATEF TRODUCED MONG VEGE RATA ALSO I 24 (M) 32 E633410 32 E633410 32 E633410 4. K. (PADRE - FIELD SUR\ - FIELD SUR\ | R WAS THIS POND & ONE ON E FISH (GAMBUSIA). TATION IN SHADE OF DOWNE FOUND HERE. 1 CAPTURED & Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) DRNIA DEPARTMENT OF FISH E ASSOCIATES, INC.) - FIELD SI VEY FORM FOR RANA DRAYTO | DOWNSTREAM SIDÉ OF BR D TREE LIMB ON 10/09/90. RELEASED ON 9 MAR 200 nonspecific area 37.65607 / -121.48755 AND WILDLIFE) - FIELD SU URVEY FORM FOR RANA I DNII 1993-03-12 DNII 1993-04-20 RMORATA (2 SITES) & RAN | A DBSER 0. 1 OBSER 0. 1 LARGI JRVEY FOF DRAYTONI | 0/90. /ED 3/12/93, 3 OBSERVED 4/2 E JUVENILE OBS 12 FEB 2008 Area (acres): Elevation (feet): RM FOR RED-LEGGED FROG I 2008-02-12 | GAE. WAT 20/93 & 3 8. 64 400 |





| lap Index Num | nber: | 24869 | | | EO Index: | | 20823 | | |
|---|---|---|--|--|--|--|--|---|---|
| Key Quad: | | Tracy (371216 | 64) | | Element Code: | | AAABH010 | 22 | |
| Occurrence Nu | mber: | 72 | | | Occurrence Last U | pdated: | 2009-04-23 | | |
| cientific Name | e: Ra | na draytonii | | | Common Name: | California | red-legged fr | rog | |
| isting Status: | | Federal: | Threatened | Ł | Rare Plant Rank: | | | | |
| | | State: | None | | Other Lists: | | | of Special Concern | I |
| NDDB Elemer | nt Ranks | : Global: | G2G3 | | | IUCN_VU | -Vulnerable | | |
| | | State: | S2S3 | | | | | | |
| eneral Habitat | t: | | | | Micro Habitat: | | | | |
| | | | | NT SOURCES OF GENT RIPARIAN | REQUIRES 11-20 V DEVELOPMENT. M | | | - | |
| ast Date Obse | erved: | 2001-03-04 | | | Occurrence Type: | Natural/N | Native occurre | ence | |
| ast Survey Da | te: | 2001-03-04 | | | Occurrence Rank: | Good | | | |
| wner/Manage | r: | DFG-CORRAL | HOLLOW EF | र | Trend: | Decreasi | ing | | |
| resence: | | Presumed Exta | ant | | | | | | |
| ocation: | | | | | | | | | |
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| etalled Locati | on: | | | | | | | | |
| | on: | | | | | | | | |
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| cological: ABITAT CONS | | | DDS AND WII | LLOWS ALONG THE | E CREEK; SURROUNDING | AREA IS (| GRASSLAND | | |
| cological: ABITAT CONS hreats: | SISTS OF | | | | E CREEK; SURROUNDING M AND ROAD MORTALITY | | GRASSLAND | | |
| cological: ABITAT CONS hreats: HREATENED I | SISTS OF | | | | | | GRASSLAND |). | |
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| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR IAY 1992 YIEL | BISTS OF BY SILTA RLF RESI DED ON | ATION CREATE DENT HERE. 3 LY 1 ADULT FF | ED BY AN OR 3 MAY 1989: (ROG. 7 ADUL | 2V PARK UPSTREA | M AND ROAD MORTALITY HEADWATERS TO ABOU | ΄. Τ 0.5 MI BE | ELOW ECO R 8#218643) A1 | RESERVE. 4 VISIT | |
| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR AY 1992 YIELI LSS: T03S, F | BISTS OF BY SILT/ RLF RESI DED ON R04E, Se | ATION CREATE DENT HERE. 3 LY 1 ADULT FF | ED BY AN OR 8 MAY 1989: (ROG. 7 ADUL A (| 2V PARK UPSTREA CREEK DRY FROM TS OBS 22 MAR 19 | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEG | ΄. Τ 0.5 MI BE | ELOW ECO R 8#218643) A1 | RESERVE. 4 VISIT F NIGHT 4 MAR 20 | 001. |
| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR AY 1992 YIEL LSS: T03S, F TM: Zone-1 | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ac. 25 (M) | ED BY AN OR 8 MAY 1989: (ROG. 7 ADUL A La | 2V PARK UPSTREA CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLE(nonspecific area | ΄. Τ 0.5 MI BE | ELOW ECO R 8#218643) A1 | RESERVE. 4 VISIT T NIGHT 4 MAR 20 Area (acres): | 001. 38 |
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| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR IAY 1992 YIEL LSS: T03S, F TM: Zone-1 ounty Summa an Joaquin | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ac. 25 (M) | ED BY AN OR 3 MAY 1989: (ROG. 7 ADUL Ar La Q | 2V PARK UPSTREA CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLE(nonspecific area | ΄. Τ 0.5 MI BE | ELOW ECO R 8#218643) A1 | RESERVE. 4 VISIT T NIGHT 4 MAR 20 Area (acres): | 001. 38 |
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| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR AY 1992 YIEL LSS: T03S, F TM: Zone-1 ounty Summa an Joaquin ources: RO89F0002 | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 ary: BROD HOLLO | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ec. 25 (M) 296 E633062 E, J.M. (CALIFC DW ECOLOGIC E, J. & M. WOR | ED BY AN OR B MAY 1989: (ROG. 7 ADUL La La DRNIA DEPA CAL RESERVI | 2V PARK UPSTREAD CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: racy (3712164) RTMENT OF FISH A E. 1989-05-03 | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEO nonspecific area 37.64318 / -121.49176 | Y. T 0.5 MI BE CTED (CAS | ELOW ECO R B#218643) AT | RESERVE. 4 VISIT F NIGHT 4 MAR 20 Area (acres): Elevation (feet): | 001. 38 500 CORRAL |
| cological: ABITAT CONS AREATENED I Eneral: 176: MANY CR AY 1992 YIEL SS: T03S, F TM: Zone-1 Dunty Summa an Joaquin Durces: RO89F0002 RO92F0005 | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 ary: BROD HOLLO BROD 1992-0 | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ac. 25 (M) 296 E633062 E, J.M. (CALIFO DW ECOLOGIC E, J. & M. WOR 13-26 | ED BY AN OR MAY 1989: (ROG. 7 ADUL A La La DRNIA DEPA AL RESERVI KMAN (CALI | 2V PARK UPSTREAD CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: racy (3712164) RTMENT OF FISH A E. 1989-05-03 | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEG nonspecific area 37.64318 / -121.49176 | Y. T 0.5 MI BE CTED (CAS | ELOW ECO R B#218643) AT | RESERVE. 4 VISIT F NIGHT 4 MAR 20 Area (acres): Elevation (feet): | 001. 38 500 CORRAL |
| cological: ABITAT CONS AREATENED I eneral: 076: MANY CR AY 1992 YIEL LSS: T03S, F TM: Zone-1 ounty Summa an Joaquin ounty Summa RO89F0002 RO92F0005 _Y01F0008 | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 ary: BROD HOLLC BROD 1992-0 ELY, E | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ac. 25 (M) 296 E633062 E, J.M. (CALIFC DW ECOLOGIC E, J. & M. WOR 3-26 FIELD SURV J.T. & M. WOR | ED BY AN OR MAY 1989: (ROG. 7 ADUL A La La DRNIA DEPA CAL RESERVI KMAN (CALI /EY FORM F | EV PARK UPSTREA CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: racy (3712164) TTMENT OF FISH A E. 1989-05-03 FORNIA DEPARTM OR RANA DRAYTO | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEG nonspecific area 37.64318 / -121.49176 | Y. T 0.5 MI BE CTED (CAS | ELOW ECO F S#218643) AT | RESERVE. 4 VISIT F NIGHT 4 MAR 20 Area (acres): Elevation (feet): | 001. 38 500 CORRAL DRAYTONI |
| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR AY 1992 YIEL LSS: T03S, F TM: Zone-1 ounty Summa an Joaquin ounty Summa RO89F0002 RO92F0005 LY01F0008 IN92F0001 | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 ary: BROD HOLLO BROD 1992-0 ELY, E KING, 1992-0 | ATION CREATE DENT HERE. 3 LY 1 ADULT FR ac. 25 (M) 296 E633062 E, J.M. (CALIFO DW ECOLOGIC E, J. & M. WOR 3-26 FIELD SURV J.T. & M. WOR 5-18 | ED BY AN OR MAY 1989: (ROG. 7 ADUL A La DRNIA DEPA CAL RESERVI KMAN (CALIF KMAN (CALIF | EV PARK UPSTREA CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: racy (3712164) RTMENT OF FISH A E. 1989-05-03 FORNIA DEPARTM OR RANA DRAYTO FORNIA DEPARTM | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEC nonspecific area 37.64318 / -121.49176 AND WILDLIFE) - FIELD SU ENT OF FISH AND WILDLI NII 2001-03-04 | Y. T 0.5 MI BE CTED (CAS URVEY FOR IFE) - FIELI FE) - FIELI | ELOW ECO R 3#218643) AT 1 RM FOR RAN D SURVEY F 0 SURVEY F | RESERVE. 4 VISIT F NIGHT 4 MAR 20 Area (acres): Elevation (feet): NA DRAYTONII IN ORM FOR RANA | 001. 38 500 CORRAL DRAYTONI |
| cological: ABITAT CONS hreats: HREATENED I eneral: 976: MANY CR 1992 YIEL LSS: T03S, F TM: Zone-1 ounty Summa an Joaquin ources: RO89F0002 RO92F0005 LY01F0008 IN92F0001 /OO95F0015 | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 ary: BROD HOLLC BROD 1992-0 ELY, E KING, 1992-0 WOOL | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ec. 25 (M) 296 E633062 E, J.M. (CALIFO DW ECOLOGIC E, J. & M. WOR 3-26 E FIELD SURV J.T. & M. WOR 5-18 LETT, J. (LAWI | ED BY AN OR MAY 1989: (ROG. 7 ADUL A La DRNIA DEPA AL RESERVI KMAN (CALI KMAN (CALI KMAN (CALI RENCE LIVE | EV PARK UPSTREAD CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: acy (3712164) RTMENT OF FISH A E. 1989-05-03 FORNIA DEPARTM OR RANA DRAYTO FORNIA DEPARTME RMORE NATIONAL | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEC nonspecific area 37.64318 / -121.49176 AND WILDLIFE) - FIELD SU ENT OF FISH AND WILDLI NII 2001-03-04 ENT OF FISH AND WILDLI | Y. T 0.5 MI BE CTED (CAS JRVEY FOR JRVEY FOR IFE) - FIELD URVEY FO | ELOW ECO R #218643) A1 A RM FOR RAN D SURVEY FO SURVEY FO RM FOR RA | RESERVE. 4 VISIT F NIGHT 4 MAR 20 Area (acres): Elevation (feet): NA DRAYTONII IN ORM FOR RANA ORM FOR RANA | 001. 38 500 CORRAL DRAYTONI DRAYTONII 995-03-22 |
| hreats: HREATENED ieneral: 976: MANY CR 1AY 1992 YIEL ILSS: T03S, F | BISTS OF BY SILTA RLF RESI DED ON R04E, Se 0 N4167 ary: BROD HOLLO BROD 1992-0 ELY, E KING, 1992-0 WOOL WOOL | ATION CREATE DENT HERE. 3 LY 1 ADULT FF ac. 25 (M) 296 E633062 E, J. & M. WOR 3-26 E FIELD SUR J.T. & M. WOR 5-18 LETT, J. (LAWI MAN, M. & T. K | ED BY AN OR MAY 1989: (ROG. 7 ADUL A La DRNIA DEPA AL RESERVI KMAN (CALI KMAN (CALI KMAN (CALI KMAN (CALI RENCE LIVE | EV PARK UPSTREA CREEK DRY FROM TS OBS 22 MAR 19 ccuracy: atitude/Longitude: uad Summary: racy (3712164) TTMENT OF FISH A E. 1989-05-03 FORNIA DEPARTM OR RANA DRAYTO FORNIA DEPARTM RMORE NATIONAL RMORE NATIONAL | M AND ROAD MORTALITY HEADWATERS TO ABOU 95. 1 ADULT DOR COLLEG nonspecific area 37.64318 / -121.49176 AND WILDLIFE) - FIELD SU ENT OF FISH AND WILDLI NII 2001-03-04 ENT OF FISH AND WILDLI LABORATORY) - FIELD S | Y. T 0.5 MI BE CTED (CAS JRVEY FOR IFE) - FIELI FE) - FIELI URVEY FO URVEY FO | ELOW ECO F 3#218643) AT 2 RM FOR RAN D SURVEY F 0 SURVE | RESERVE. 4 VISIT F NIGHT 4 MAR 20 Area (acres): Elevation (feet): NA DRAYTONII IN ORM FOR RANA ORM FOR RANA NA DRAYTONII 11 NA DRAYTONII 11 | 001. 38 500 CORRAL DRAYTONII DRAYTONII 995-03-22 995-03-22 |



California Natural Diversity Database



| | 47188 | | EO Index: | | 47188 | | |
|---|---|---|----------------------|-------------------------------|---|-----------|--|
| Key Quad: | Tracy (371216 | 54) | Element Code: | | AAABH01022 | | |
| Occurrence Number: | 487 | | Occurrence Last U | Occurrence Last Updated: 2002 | | 002-02-06 | |
| Scientific Name: R | ana draytonii | | Common Name: | California | red-legged frog | | |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | | SC-Species of Special Concern | | |
| CNDDB Element Ranks | s: Global: | G2G3 | | IUCN_VU | Vulnerable | | |
| State: S2S3 | | S2S3 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | R PERMANENT SOURCES OF Y OR EMERGENT RIPARIAN | | | PERMANENT WATER FOR LA ACCESS TO ESTIVATION HA | | |
| Last Date Observed: | 2001-03-04 | | Occurrence Type: | Natural/N | lative occurrence | | |
| Last Survey Date: | 2001-03-04 | | Occurrence Rank: | Fair | | | |
| Owner/Manager: | PVT-GALLO R | ANCH | Trend: | Unknown | I | | |
| Presence: | Presumed Exta | ant | | | | | |
| Location: | | | | | | | |
| CORRAL HOLLOW CR | EEK, 0.5 MILE S | W OF CASTLE ROCK, SW OF TR | RACY. | | | | |
| | | | | | | | |
| | | | | | | | |
| Detailed Location: | | | | | | | |
| Detailed Location: Ecological: HABITAT CONSISTS O | | AL AREAS/HORSE FARMS, WITH | H VARIOUS EMERGENT S | SHORT GR | ASSES, GRAVELLY AREAS N | EAR | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, <i>i</i> | | | H VARIOUS EMERGENT S | SHORT GR | ASSES, GRAVELLY AREAS N | EAR | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, / Threats: | AND VARIOUS (| DAKS. | H VARIOUS EMERGENT S | SHORT GR | ASSES, GRAVELLY AREAS N | EAR | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, / Threats: THREATENED BY TRA | AND VARIOUS (| DAKS. | H VARIOUS EMERGENT S | SHORT GR | ASSES, GRAVELLY AREAS N | EAR | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, / Threats: THREATENED BY TRA General: | AND VARIOUS (| DAKS. | H VARIOUS EMERGENT S | SHORT GR | ASSES, GRAVELLY AREAS N | EAR | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, / Threats: THREATENED BY TRA General: | AND VARIOUS (FFIC DURING N /ED ON 4 MAR 2 | DAKS. | H VARIOUS EMERGENT S | SHORT GR | ASSES, GRAVELLY AREAS N Area (acres): | IEAR 0 | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, / Threats: THREATENED BY TRA General: 1 INDIVIDUAL OBSERV | AND VARIOUS (FFIC DURING N /ED ON 4 MAR 2 iec. 35 (M) | DAKS. /IGRATION. 2001 ON THE ROADWAY. | | SHORT GR | | | |
| Detailed Location: Ecological: HABITAT CONSISTS O ROADSIDE DITCHES, / Threats: THREATENED BY TRA General: 1 INDIVIDUAL OBSERV PLSS: T03S, R04E, S | AND VARIOUS (FFIC DURING N /ED ON 4 MAR 2 iec. 35 (M) | DAKS. /IIGRATION. 2001 ON THE ROADWAY. Accuracy: | 80 meters | SHORT GR | Area (acres): | 0 | |

TAY01F0004 TAYLOR, D.J. - FIELD SURVEY FORM FOR RANA DRAYTONII, AMBYSTOMA CALIFORNIENSE & SPEA HAMMONDII 2001-03-04





| Map Index Number: | 61553 | | EO Index: | 6158 | 9 | | |
|---------------------|----------------|---|-----------------------|---------------------------------|---|-------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | AAAE | AABH01022 | | |
| Occurrence Number: | 828 | | Occurrence Last U | Occurrence Last Updated: 2005-0 | | 06-09 | |
| Scientific Name: R | ana draytonii | | Common Name: | California red-leç | gged frog | | |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | | ecies of Special Concerr | ı | |
| CNDDB Element Ranks | s: Global: | G2G3 | | IUCN_VU-Vulne | rable | | |
| | State: | S2S3 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | R PERMANENT SOURCES OF BY OR EMERGENT RIPARIAN | | | ANENT WATER FOR L SS TO ESTIVATION H | | |
| Last Date Observed: | 2002-05-05 | | Occurrence Type: | Natural/Native of | occurrence | | |
| Last Survey Date: | 2002-05-05 | | Occurrence Rank: | Unknown | | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | | |
| Presence: | Presumed Exta | ant | | | | | |
| Location: | | | | | | | |
| CORRAL HOLLOW ROA | AD, 1.4 ROAD-N | MILES WEST OF I-580. | | | | | |
| Detailed Location: | | | | | | | |
| Ecological: | | | | | | | |
| Threats: | | | | | | | |
| General: | | | | | | | |
| | | 3880) AT NIGHT FROM CORRAL | | Y 2002. | | | |
| PLSS: T03S, R04E, S | . , | Accuracy: | 1/10 mile | | Area (acres): | 0 | |
| UTM: Zone-10 N4168 | 3982 E634402 | Latitude/Longitude: | 37.65818 / -121.47625 | | Elevation (feet): | 325 | |
| County Summary: | | Quad Summary: | | | | | |
| San Joaquin | | Tracy (3712164) | | | | | |
| | | | | | | | |





| Map Index Number: | 74472 | | EO Index: | | 75468 | |
|----------------------|-----------------|--|------------------------------------|------------|---|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | AAABH01022 | |
| Occurrence Number: | 1053 | | Occurrence Last Updated: 2009-04-0 | | 2009-04-09 | |
| Scientific Name: R | ana draytonii | | Common Name: | California | red-legged frog | |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | _ | SC-Species of Special Concern | |
| CNDDB Element Ranks | s: Global: | G2G3 | | IUCN_VU | J-Vulnerable | |
| | State: | S2S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | R PERMANENT SOURCES OF Y OR EMERGENT RIPARIAN | | | PERMANENT WATER FOR LARVAL E ACCESS TO ESTIVATION HABITAT. | |
| Last Date Observed: | 1997-01-29 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1997-01-29 | | Occurrence Rank: | Unknowr | n | |
| Owner/Manager: | DOE-LAWREN | CE LIVERMORE LAB | Trend: | Unknowr | n | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| 0.33 AIR MI WSW OF C | ASTLE ROCK, | JUST N OF CORRAL HOLLOW R | D, LAWRENCE LIVERMOR | RE NATION | NAL LABORATORY SITE 300. | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| | R SEWAGE POI | ND. ALSO RECEIVES GROUND | VATER UPWELLING ON C | CCASION. | | |
| Threats: | | | | | | |
| General: | | | | | | |
| 5 BREEDING ADULTS | WERE OBSERV | ED ON 22 MAR 1994. 1 FEMALE | WAS CAPTURED AND RI | ELEASED | ON 29 JAN 1997. | |
| PLSS: T03S, R04E, S | ec. 26 (M) | Accuracy: | 80 meters | | Area (acres): 0 | |
| UTM: Zone-10 N4166 | 6403 E632724 | Latitude/Longitude: | 37.63518 / -121.49574 | | Elevation (feet): 540 | |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| Sources: | | | | | | |
| | | | | | | |
| WOO95F0014 WOO | LLETT, J. (LAWI | RENCE LIVERMORE NATIONAL | LABORATORY) - FIELD S | URVEY FO | ORM FOR RANA DRAYTONII 1995-03-2 | |





| Map Index Number: | 75065 | | EO Index: | 76064 | 4 | |
|---|-------------------|--|-----------------------|---------------------|--|------------|
| Key Quad: | Tracy (371216 | ծ4) | Element Code: | AAAE | ABH01050 | |
| Occurrence Number: | 786 | | Occurrence Last U | odated: 2009- | 06-19 | |
| Scientific Name: R | ana boylii | | Common Name: | foothill yellow-leg | gged frog | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Sensitive | | |
| CNDDB Element Ranks | s: Global: | G3 | | IUCN_NT-Near 1 | ecies of Special Concerr Threatened | 1 |
| | State: | S3 | | USFS_S-Sensitiv | ve | |
| General Habitat: | | | Micro Habitat: | | | |
| PARTLY-SHADED, SHA SUBSTRATE IN A VARI | | IS & RIFFLES WITH A ROCKY ATS. | | | ZED SUBSTRATE FOR AIN METAMORPHOSIS | |
| Last Date Observed: | 1971-05-29 | | Occurrence Type: | Natural/Native c | occurrence | |
| Last Survey Date: | 1971-05-29 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | DFG-CORRAL | HOLLOW ER, OTHER | Trend: | Unknown | | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| ALONG CORRAL HOLL | OW CREEK & C | CORRAL HOLLOW ROAD, FROM | CASTLE ROCK TO BLACK | K BUTTE. | | |
| Detailed Location: | | | | | | |
| MVZ STATED LOCALIT MI E ALAMEDA CO. LIN | | DLLOW CREEK, 4.0 MI E OF ALA IIN CO." | MEDA COUNTY LINE; SAN | N JOAQUIN COUI | NTY." AND "CORRAL H | OLLOW, 5.3 |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| | | | | | | |
| General: | | | ULECTED ON 15 MAY 197 | ′1 (MVZ 98194). 7 | TADPOLES COLLECT | FD ON 29 |
| 1 FROG COLLECTED C | | (MVZ 99240). 23 TADPOLES CC | | | | |
| 1 FROG COLLECTED (MAY 1971 (MVZ 98191) |). | (MVZ 99240). 23 TADPOLES CC Accuracy: | nonspecific area | | Area (acres): | 125 |
| 1 FROG COLLECTED C MAY 1971 (MVZ 98191) PLSS: T03S, R04E, S |). Sec. 24 (M) | · · · | | | Area (acres): Elevation (feet): | |
| 1 FROG COLLECTED C MAY 1971 (MVZ 98191) PLSS: T03S, R04E, S UTM: Zone-10 N4168 |). Sec. 24 (M) | Accuracy: | nonspecific area | | | 125 |
| MAY 1971 (MVZ 98191) PLSS: T03S, R04E, S |). Sec. 24 (M) | Accuracy: Latitude/Longitude: | nonspecific area | | | 125 |



California Department of Fish and Wildlife



| Map Index Number: Key Quad: Occurrence Number: | 11557 Lathrop (3712 17 | 173) | EO Index: Element Code: Occurrence Last L | 27288 ABNKC19070 Jpdated: 2013-08-08 |
|--|------------------------------|---|---|--|
| Scientific Name: Bu | iteo swainsoni | | Common Name: | Swainson's hawk |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| 0 | State: | Threatened | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks | : Global: | G5 | | IUCN_LC-Least Concern USFWS BCC-Birds of Conservation Concern |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| | AS, SAVANNAH | TERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANCH REES. | | ENT SUITABLE FORAGING AREAS SUCH AS ALFALFA OR GRAIN FIELDS SUPPORTING RODENT |
| Last Date Observed: | 1994-07-28 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1994-07-28 | | Occurrence Rank: | Unknown |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Exta | nt | | |
| Location: | | | | |
| NORTHEAST QUARDA | NT OF I-5 AND I | KASSON ROAD, EAST OF BANT | Α. | |
| Detailed Location: | | | | |
| | | ES SJ007 & SJ078 FROM CDFW S EAR FRONT ENTRANCE TO DEU | | SERVATIONS DATABASE. FEATURE REPRESENTS 2 |
| Ecological: | | | | |
| NEST IN FRONT OF DE | UEL INSTITUTE | E IN MATURE EUCALYPTUS. SU | RROUNDING HABITAT R | IPARIAN, AGRICULTURE. |
| Threats: | | | | |
| General: | | | | |
| TWO ADULTS OBSERV UNKNOWN. | ED, BUT NO NE | EST FOUND IN 1979; NO BIRDS (| OR NESTS FOUND IN 19 | 82. 2 NESTING PAIRS OBSERVED IN 1994, SUCCESS |
| PLSS: T02S, R06E, S | ec. 20 (M) | Accuracy: | 2/5 mile | Area (acres): 0 |
| UTM: Zone-10 N4179 | 399 E646580 | Latitude/Longitude: | 37.75016 / -121.33615 | Elevation (feet): 20 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Vernalis (3712163), La | throp (3712173) | |
| Sources: | | | | |
| | | | | CORDS FROM DFG NONGAME BIRDS & MAMMALS |
| | , | BRANCH); MISSING. 1984-10-XX DS & MAMMALS - TABLE OF SV | | RECORDS THROUGH 1994. 1994-XX-XX |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11685 | | EO Index: | | 27140 | |
|--|---|--|--|------------------------------|---|--|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: Occurrence Last Updated: | | ABNKC19070 ed: 2013-08-08 | |
| Occurrence Number: | 159 | | | | | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainso | n's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | Other Lists: BLM_S-Sensitive | | |
| | State: | Threatened | Other Lists: | | | |
| CNDDB Element Ranks | s: Global: | G5 | | | C-Least Concern _BCC-Birds of Conservation Concern | |
| | State: | S3 | | 001110_ | | |
| General Habitat: | | Micro Habitat: | | | | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANCI IREES. | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODEN | |
| Last Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/ | Native occurrence | |
| ast Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | PVT | | Trend: | Unknown | | |
| Presence: | Presumed Exta | int | | | | |
| ocation: | | | | | | |
| RED BRIDGE SLOUGH | ABOUT 0.5 MI | FROM THE SAN JOAQUIN R & 1. | 3 MI NW OF AIRPORT WY | AT RIVE | R JUNCTION FARMS (MORTENSEN) RD. | |
| Detailed Location: | | | | | | |
| ERRITORY SJ026 FR | OM CDFW SWA | INSON'S HAWK OBSERVATIONS | S DATABASE. | | | |
| cological: | | | | | | |
| | IN A COTTON | WOOD 1987-1988 NEST 36' UP I | N AN OAK. SURROUNDIN | IGS RIPAI | RIAN, AGRICULTURAL. | |
| 984-1985 NEST 35' UF | | | | | | |
| | | | | | | |
| Threats: | | | | | | |
| Fhreats: General: 3 ADULTS OBSERVED | IN 1981. NESTI | | | | NG IN 1985. 2 ADULTS OBSERVED IN 1986 | |
| Threats: General: 3 ADULTS OBSERVED 3 UT NO ACTIVE NEST | IN 1981. NESTI FOUND. NESTI | NG PAIR OBSERVED IN 1984. P/ | | ST 1 YOUN | NG IN 1985. 2 ADULTS OBSERVED IN 1986 Area (acres): 0 | |
| hreats: General: ADULTS OBSERVED SUT NO ACTIVE NEST PLSS: T03S, R06E, S | IN 1981. NESTI FOUND. NESTI Sec. 01 (M) | NG PAIR OBSERVED IN 1984. PAIR PRODUCED 1 YOUNG | IN 1987 AND 1988. | st 1 your | | |
| Threats: General: 3 ADULTS OBSERVED 3UT NO ACTIVE NEST PLSS: T03S, R06E, S JTM: Zone-10 N4174 | IN 1981. NESTI FOUND. NESTI Sec. 01 (M) | NG PAIR OBSERVED IN 1984. P/ NG PAIR PRODUCED 1 YOUNG Accuracy: | IN 1987 AND 1988. 1/5 mile | 5T 1 YOU! | Area (acres): 0 | |
| Threats: General: 3 ADULTS OBSERVED 3UT NO ACTIVE NEST PLSS: T03S, R06E, S JTM: Zone-10 N4174 County Summary: | IN 1981. NESTI FOUND. NESTI Sec. 01 (M) | NG PAIR OBSERVED IN 1984. PA NG PAIR PRODUCED 1 YOUNG Accuracy: Latitude/Longitude: | IN 1987 AND 1988. 1/5 mile | | Area (acres): 0 | |
| Threats: General: 3 ADULTS OBSERVED BUT NO ACTIVE NEST PLSS: T03S, R06E, S | IN 1981. NESTI FOUND. NESTI Sec. 01 (M) | NG PAIR OBSERVED IN 1984. P/ NG PAIR PRODUCED 1 YOUNG Accuracy: Latitude/Longitude: Quad Summary: | IN 1987 AND 1988. 1/5 mile | | | |
| Threats: General: 3 ADULTS OBSERVED 3UT NO ACTIVE NEST PLSS: T03S, R06E, S JTM: Zone-10 N4174 County Summary: Gan Joaquin Gources: DFG84U0003 CALIF | FOUND. NESTI FOUND. NESTI Sec. 01 (M) 4839 E653308 | NG PAIR OBSERVED IN 1984. PAIR PRODUCED 1 YOUNG Accuracy: Latitude/Longitude: Quad Summary: Vernalis (3712163) | IN 1987 AND 1988. 1/5 mile 37.70798 / -121.26078 NSON'S HAWK NEST REC | | Area (acres): 0 | |

DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX



California Department of Fish and Wildlife



| Map Index Nun | nber: | 116 | 668 | | | | EO Index: | | 27134 | | |
|---|--|---|---|--|---|---|---|--|--|---|--|
| Key Quad: | | Ver | rnalis (3712 ⁻ | 163) | | | Element Code: | | ABNKC19070 | | |
| Occurrence Nu | mber: | 163 | 3 | | | | Occurrence Last U | pdated: | 2013-08-23 | | |
| Scientific Nam | e: <i>E</i> | Buteo s | swainsoni | | | | Common Name: | Swainson | n's hawk | | |
| Listing Status: | | I | Federal: | None | | | Rare Plant Rank: | | | | |
| | | : | State: | Threaten | ed | | Other Lists: | BLM_S-S | | | |
| CNDDB Eleme | nt Rank | s: | Global: | G5 | | | | | -Least Concern BCC-Birds of Conserva | ation Con | cern |
| | | : | State: | S3 | | | | | | | |
| General Habita | t: | | | | | | Micro Habitat: | | | | |
| | AN ARE | EAS, S | SAVANNAH | S, & AGRIO | EES, JUNIPER- CULTURAL OR F | | | | ABLE FORAGING ARE OR GRAIN FIELDS S | | |
| Last Date Obse | erved: | 1990 | 0-05-25 | | | | Occurrence Type: | Natural/I | Native occurrence | | |
| Last Survey Da | te: | 1990 | 0-05-25 | | | | Occurrence Rank: | Unknow | n | | |
| Owner/Manage | er: | PVT | - | | | | Trend: | Unknow | n | | |
| Presence: | | Pres | sumed Extar | nt | | | | | | | |
| Location: | | | | | | | | | | | |
| | | | | | | | | | | | |
| JUST S OF AIR | PORT | WAY B | BRIDGE OV | ER THE S | AN JOAQUIN RIV | /ER, S | E OF SAN JOAQUIN RIVI | ER CLUB. | | | |
| | | WAY B | BRIDGE OV | ER THE SA | an Joaquin Riv | /ER, S | E OF SAN JOAQUIN RIVI | ER CLUB. | | | |
| Detailed Locat i MAPPED TO VI | ion: ICINITY | OF TH | ERRITORIE | S SJ017 & | SJ027 FROM C | DFW S | E OF SAN JOAQUIN RIVI WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR | ERVATIO | | URE REP | RESENTS |
| Detailed Locati MAPPED TO VI MULTIPLE NES | ion: ICINITY | OF TH | ERRITORIE | S SJ017 & | SJ027 FROM C | DFW S | WAINSON'S HAWK OBS | ERVATIO | | URE REP | RESENTS |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE | ion: ICINITY ST SITE | OF TE S ON TE | ERRITORIE THE EAST | S SJ017 & SIDE OF K | SJ027 FROM C ASSON RD, UP | DFW S TO 0.2 | WAINSON'S HAWK OBS | ERVATION PORT WA | Υ. | | |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE | ion: ICINITY ST SITE | OF TE S ON TE | ERRITORIE THE EAST | S SJ017 & SIDE OF K | SJ027 FROM C ASSON RD, UP | DFW S TO 0.2 | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR | ERVATION PORT WA | Υ. | | |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: | ion: CINITY ST SITE EST TRI EY OAK | OF TE S ON EES W | ERRITORIE THE EAST VERE OAKS | S SJ017 & SIDE OF K S. 1987 NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW | DFW S TO 0.2 NEAR | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA | ERVATION PORT WA | Y. (ASSON RD.1988 NE: | ST IN WIL | |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THF | ion: CINITY ST SITE EST TRI EY OAK | OF TE S ON EES W | ERRITORIE THE EAST VERE OAKS | S SJ017 & SIDE OF K S. 1987 NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW | DFW S TO 0.2 NEAR | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR | ERVATION PORT WA | Y. (ASSON RD.1988 NE: | ST IN WIL | |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THF General: 2 DEFENSIVE / | ION: ICINITY ST SITE EST TRI EY OAK REATEN ADULTS | OF TE S ON EES W NED B' | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A | DFW S TO 0.2 NEAR D INTE | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA | ERVATION PORT WA AK NEAR H NG A RECH JUN 1984. | Y. (ASSON RD.1988 NE: REATION AREA IN 19 NO ACTIVITY DETEC | ST IN WIL 190. CTED1985 | LOW. 1990 5-86. 2 |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THE General: 2 DEFENSIVE / NESTS EACH F | ION: ICINITY ST SITE EST TRI EY OAK REATEN ADULTS PRODU | OF TE S ON EES W NED B S IN TE CED 3 | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 YOUNG IN | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 1 1987. NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A | DFW S TO 0.2 NEAR D INTE DULTS 988. IN | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 5; FEMALE ON NEST 12 3 | ERVATION PORT WA AK NEAR H NG A RECH JUN 1984. | Y. (ASSON RD.1988 NE: REATION AREA IN 19 NO ACTIVITY DETEC | ST IN WIL 190. CTED1985 DUND IN 1 | LOW. 1990 5-86. 2 |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THF General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, | ION: ICINITY ST SITE EST TRI EY OAK REATEN ADULTS PRODU R06E, S | OF TE S ON EES W NED B S IN TE CED 3 Sec. 13 | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 YOUNG IN | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 I 1987. NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 | DFW S TO 0.2 NEAR D INTE DULTS 988. IN | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 3; FEMALE ON NEST 12 A NCUBATING ADULT IN 19 | ERVATION PORT WA AK NEAR H NG A RECH JUN 1984. | Y. (ASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO | ST IN WIL 990. CTED1985 DUND IN 1 res): | LOW. 1990 5-86. 2 994. |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THE General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, UTM: Zone-1 | ion: CINITY ST SITE EST TRI EY OAK REATEN PRODU R06E, S 10 N417 | OF TE S ON EES W NED B S IN TE CED 3 Sec. 13 | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 3 YOUNG IN 3 (M) | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 1987. NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 Accuracy: | DFW S TO 0.2 NEAR D INTE DULTS 988. IN | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 5; FEMALE ON NEST 12 S NCUBATING ADULT IN 19 1/5 mile | ERVATION PORT WA AK NEAR H NG A RECH JUN 1984. | Y. KASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO Area (acr | ST IN WIL 990. CTED1985 DUND IN 1 res): | LOW. 1990 5-86. 2 994. 0 |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THF General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, UTM: Zone-1 County Summa | ion: CINITY ST SITE EST TRI EY OAK REATEN PRODU R06E, S 10 N417 | OF TE S ON EES W NED B S IN TE CED 3 Sec. 13 | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 3 YOUNG IN 3 (M) | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 1 1987. NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 Accuracy: Latitude/Longitu | DFW S TO 0.2 NEAR D INTE DULTS 988. IN | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 5; FEMALE ON NEST 12 S NCUBATING ADULT IN 19 1/5 mile | ERVATION PORT WA AK NEAR H NG A RECH JUN 1984. | Y. KASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO Area (acr | ST IN WIL 990. CTED1985 DUND IN 1 res): | LOW. 1990 5-86. 2 994. 0 |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THE General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, UTM: Zone-1 County Summa San Joaquin | ion: CINITY ST SITE EST TRI EY OAK REATEN PRODU R06E, S 10 N417 | OF TE S ON EES W NED B S IN TE CED 3 Sec. 13 | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 3 YOUNG IN 3 (M) | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 1 1987. NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 Accuracy: Latitude/Longitu Quad Summary: | DFW S TO 0.2 NEAR D INTE DULTS 988. IN | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 5; FEMALE ON NEST 12 S NCUBATING ADULT IN 19 1/5 mile | ERVATION PORT WA AK NEAR H NG A RECH JUN 1984. | Y. KASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO Area (acr | ST IN WIL 990. CTED1985 DUND IN 1 res): | LOW. 1990 5-86. 2 994. 0 |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THF General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, UTM: Zone-1 County Summa San Joaquin Sources: | CINITY CINITY ST SITE EST TRI EY OAK REATEN ROBE, S NO6E, S NO | CED 3 SIN TF CED 3 Sec. 13 70928 F | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 3 YOUNG IN 3 (M) E652894 | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 1987. NE | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 Accuracy: Latitude/Longitu Quad Summary: Vernalis (371216 | DFW S TO 0.2 NEAR D INTE DULTS 988. IN Ide: 3) | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 5; FEMALE ON NEST 12 S NCUBATING ADULT IN 19 1/5 mile | ERVATION PORT WA AK NEAR M NG A RECH JUN 1984. 290. ADUL | Y. KASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO Area (acr Elevatior | ST IN WIL 990. CTED1985 DUND IN 1 res): n (feet): | LOW. 1990 5-86. 2 994. 0 25 |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THE General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, UTM: Zone-1 County Summa San Joaquin Sources: DFG84U0003 | CALLI SECTIONICY CONTREST SITE SECTION CALLI SECTIONICS CALLI | S OF TE S ON EES W NED B S IN TE CED 3 Sec. 13 Sec. 13 FORN TION (| ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 3 YOUNG IN 3 (M) E652894 | S SJ017 & SIDE OF K 3. 1987 NE NG ACTIV 2 NESTS 1 1 1987. NE 1 1987. NE 3 MENT OF 3RANCH); | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 Accuracy: Latitude/Longitu Quad Summary: Vernalis (371216 FISH & GAME - MISSING. 1984- | DFW S TO 0.2 NEAR D INTE DULTS 988. IN Ide: 3) SWAIN 10-XX | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN S; FEMALE ON NEST 12 S NCUBATING ADULT IN 19 1/5 mile 37.67281 / -121.26629 | ERVATION PORT WA AK NEAR M NG A RECH JUN 1984. 2900. ADUL | Y. KASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO Area (acr Elevatior | ST IN WIL 990. CTED1985 DUND IN 1 res): n (feet): BIRDS & | LOW. 1990 5-86. 2 994. 0 25 MAMMALS |
| Detailed Locati MAPPED TO VI MULTIPLE NES Ecological: 1983 & 1984 NE NEST IN VALLE Threats: POSSIBLY THF General: 2 DEFENSIVE / NESTS EACH F PLSS: T03S, | CALLI SECT CINITY ST SITE ST TRI SEC OAK REATEN ADULTS PRODU R06E, S 10 N417 ary: | FORN | ERRITORIE THE EAST VERE OAKS Y CLEARNI REE WITH 2 3 YOUNG IN 3 (M) E652894 | S SJ017 & SIDE OF K S. 1987 NE NG ACTIV 2 NESTS 1 1987. NE 1987. NE MENT OF BRANCH); DS & MAM | SJ027 FROM C ASSON RD, UP STS IN WILLOW ITY; OWNER HA 4 MAY 1983. 2 A STING PAIR IN 1 Accuracy: Latitude/Longitu Quad Summary: Vernalis (371216 FISH & GAME - MISSING. 1984- MALS - TABLE C | DFW S TO 0.2 NEAR D INTE DULTS 988. IN Ide: 3) SWAIN 10-XX DF SWA | WAINSON'S HAWK OBS 5 MILES SOUTH OF AIR RIVER & 80' VALLEY OA ENTIONS OF DEVELOPIN 5; FEMALE ON NEST 12 , NCUBATING ADULT IN 19 1/5 mile 37.67281 / -121.26629 | ERVATION PORT WA AK NEAR M IG A RECH JUN 1984. JUN 1984. JUN 1984. CORDS FF | Y. KASSON RD.1988 NES REATION AREA IN 19 NO ACTIVITY DETEC TS BUT NO NEST FO Area (acr Elevatior ROM DFG NONGAME THROUGH 1994. 199 | ST IN WIL 990. CTED1985 DUND IN 1 res): n (feet): BIRDS & | LOW. 1990 5-86. 2 994. 0 25 MAMMALS |



California Department of Fish and Wildlife



| Map Index Number: | 11679 | | EO Index: | | 27044 | | | |
|--|----------------|---------------------------------------|------------------------|---|--|--|--|--|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | ABNKC19070 | | | |
| Occurrence Number: | 264 | | Occurrence Last U | pdated: | 2013-08-09 | | | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainso | n's hawk | | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | | | |
| CNDDB Element Rank | s: Global: | G5 | | IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern | | | | |
| | State: | S3 | | | | | | |
| General Habitat: | | | Micro Habitat: | | | | | |
| BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODEI | | | | |
| Last Date Observed: | 1994-07-29 | | Occurrence Type: | Natural/ | Native occurrence | | | |
| Last Survey Date: | 1994-07-29 | | Occurrence Rank: | Unknow | 'n | | | |
| Owner/Manager: | PVT | | Trend: | Unknown | | | | |
| Presence: | Presumed Exta | ant | | | | | | |
| Location: | | | | | | | | |
| ABOUT 0.5 MILES SW | OF KASSON RC | OAD AT GREENWOOD ROAD, NE | EAR THE STANISLAUS RIV | VER. | | | | |
| Detailed Location: | | | | | | | | |
| TERRITORY ST002 FR | OM CDFW SWA | INSON'S HAWK OBSERVATION | S DATABASE, EXACT LOO | CATION U | NKNOWN. | | | |
| Ecological: | | | | | | | | |
| | WALNUT, IN SI | MALL GROUP OF WALNUT TREE | ES AT THE EDGE OF AN C | DNION FIE | ELD, WITH ALFALFA NEARBY. | | | |
| Threats: | | | | | | | | |
| | | | | | | | | |
| | | 1994 PRODUCED 3 YOUNG; 2 F | | | E & GREENWOOD IN 1982, 1984, OR 1985 L. | | | |
| PLSS: T03S, R06E, S | Sec. 25 (M) | Accuracy: | 2/5 mile | | Area (acres): 0 | | | |
| UTM: Zone-10 N416 | 8299 E653214 | Latitude/Longitude: | 37.64907 / -121.26321 | | Elevation (feet): 50 | | | |
| | | Quad Summary: | | | | | | |
| County Summary: | | | | | | | | |
| | \$ | Vernalis (3712163) | | | | | | |
| County Summary: San Joaquin, Stanislaus Sources: | 3 | Vernalis (3712163) | | | | | | |
| San Joaquin, Stanislaus Sources: DFG84U0003 CALII | FORNIA DEPAR | · · · · · · · · · · · · · · · · · · · | | CORDS F | ROM DFG NONGAME BIRDS & MAMMALS | | | |



California Department of Fish and Wildlife



| Map Index Num Key Quad: Occurrence Nu | | 11681 Vernalis (3712 266 | 2163) | EO Index: Element Code: Occurrence Last U | 27042 ABNKC1907 odated: 2013-08-23 | 0 | |
|---|--------------------|---------------------------------|--|---|--|------------------|-------------|
| Scientific Name | e: Bui | teo swainsoni | | Common Name: | Swainson's hawk | | |
| Listing Status: | | Federal: | None | Rare Plant Rank: | | | |
| 5 | | State: | Threatened | Other Lists: | BLM_S-Sensitive | | |
| CNDDB Elemen | t Ranks: | Global: | G5 | | IUCN_LC-Least Concer USFWS_BCC-Birds of (| | corn |
| | | State: | S3 | | | | cem |
| General Habitat | | | | Micro Habitat: | | | |
| BREEDS IN GR | ASSLANI AN AREA | S, SAVANNAH | TTERED TREES, JUNIPER-SAGI IS, & AGRICULTURAL OR RANC IREES. | E REQUIRES ADJAC | ENT SUITABLE FORAGI ALFALFA OR GRAIN FII | | |
| Last Date Obse | rved: | 2003-06-20 | | Occurrence Type: | Natural/Native occurrer | nce | |
| Last Survey Da | te: | 2003-06-20 | | Occurrence Rank: | Unknown | | |
| Owner/Manager | r: | PVT | | Trend: | Unknown | | |
| Presence: | | Presumed Exta | ant | | | | |
| Location: | | | | | | | |
| JUST EAST OF | KASSON | I ROAD, ABOL | IT 0.8 MILES SOUTH OF AIRPOR | RT WAY AND 9 MILES SW | OF RIPON. | | |
| Detailed Location | on: | | | | | | |
| | | | RY SJ014 FROM CDFW SWAINS 8 MI S OF AIRPORT WAY & KAS | | | | |
| Ecological: | | | | | | | |
| | | | RIAN BAND. 2000 AND 2003 NES ST, AND ROW CROPS TO THE | | DAKS; SURROUNDING | FORAGING HAB | ΙΤΑΤ |
| Threats: | | | | | | | |
| General: | | | | | | | |
| | | | 3 ADULTS, NO NEST IN 1984. E K FOOD TO NEST, 5 JUN 2000. | | | | . NEST WITH |
| PLSS: T03S, F | R06E, Se | c. 24 (M) | Accuracy: | 80 meters | А | rea (acres): | 0 |
| UTM: Zone-1 | 0 N41701 | 57 E653566 | Latitude/Longitude: | 37.66576 / -121.25884 | E | levation (feet): | 30 |
| County Summa | ry: | | Quad Summary: | | | | |
| San Joaquin | | | Vernalis (3712163) | | | | |
| Sources: | | | | | | | |
| DFG05U0001 | | | TMENT OF FISH & GAME - REG 00-2004. 2005-XX-XX | ION 2 - ACCESS DATABAS | E & EXCEL TABLE OF \$ | SWAINSON'S HA | WK NEST |
| DFG84U0003 | | | TMENT OF FISH & GAME - SWA BRANCH); MISSING. 1984-10-X | | ORDS FROM DFG NOM | NGAME BIRDS & | MAMMALS |
| DFG94U0003 | DFG - I | NONGAME BIF | RDS & MAMMALS - TABLE OF S | WAINSON'S HAWK NEST | ECORDS THROUGH 19 | 994. 1994-XX-XX | |
| GIF00F0005 | | RD, D. (CALIFO SITE) 2000-06 | ORNIA DEPARTMENT OF FISH 4 -05 | AND WILDLIFE-REGION 2) | - FIELD SURVEY FORM | I FOR BUTEO SV | VAINSONI |



California Department of Fish and Wildlife



| | 36025 | | EO Index: | | 31023 | | |
|---|--|---|---|---|---|---|--|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | ABNKC19070 | | |
| Occurrence Number: | 688 | | Occurrence Last U | pdated: | 2013-09-06 | | |
| Scientific Name: | Buteo swainsoni | | Common Name: | Swainsor | wainson's hawk | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | | |
| CNDDB Element Rank | s: Global: | G5 | | | C-Least Concern BCC-Birds of Conservation Con | cern | |
| | State: | S3 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | EAS, SAVANNAH | TTERED TREES, JUNIPER-SAGE HS, & AGRICULTURAL OR RANC TREES. | | | ABLE FORAGING AREAS SUCI OR GRAIN FIELDS SUPPORT | - | |
| Last Date Observed: | 1997-06-19 | | Occurrence Type: | Natural/ | Native occurrence | | |
| ast Survey Date: | 1997-06-19 | | Occurrence Rank: | Good | | | |
| Owner/Manager: | SJQ COUNTY | | Trend: | Unknow | n | | |
| Presence: | Presumed Exta | ant | | | | | |
| ocation: | | | | | | | |
| AST SIDE OF THE SA | AN JOAQUIN RI | VER, ON THE NORTH EDGE OF I | DURHAM FERRY SRA, AT | THE END | OF S AIRPORT WAY. | | |
| Detailed Location: | | | | | | | |
| | | | | | | | |
| | | M CDFW SWAINSON'S HAWK OE S FOR 2 NESTS CONCURRENTL | | | | JRHAM | |
| FERRY SRA. MAPPED | | | | | | JRHAM | |
| FERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND | | | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A | FIELD SU | IRVEY FORMS. VEGETATED BY VALLEY OAK | ζ, | |
| FERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. | | S FOR 2 NESTS CONCURRENTL | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A | FIELD SU | IRVEY FORMS. VEGETATED BY VALLEY OAK | ζ, | |
| FERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Fhreats: | | S FOR 2 NESTS CONCURRENTL | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A | FIELD SU | IRVEY FORMS. VEGETATED BY VALLEY OAK | ζ, | |
| FERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Fhreats: General: 1 ADULT AT NEST OB | OTO LOCATIONS | S FOR 2 NESTS CONCURRENTL | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO | FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR | ς, ≹TH, EAST, | |
| ERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Threats: General: ADULT AT NEST OB IGHT-MORPH ADULT | OTO LOCATIONS | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF MAY 1994. 2 ADULTS (1 LIGHT M | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO | FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR | ς, ≹TH, EAST, | |
| ERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Fhreats: General: 1 ADULT AT NEST OB LIGHT-MORPH ADULT PLSS: T03S, R06E, S | OTO LOCATIONS | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF MAY 1994. 2 ADULTS (1 LIGHT M N EAST NEST ON 19 JUN 1997. | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO ORPH, 1 DARK MORPH) (| FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR D PERCHED NEAR WEST NES | (, TH, EAST, ST, AND 1 | |
| ERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Threats: General: I ADULT AT NEST OB LIGHT-MORPH ADULT PLSS: T03S, R06E, S JTM: Zone-10 N417 | OTO LOCATIONS I COTTONWOOI WILLOW. SURR SERVED ON 2 M OBSERVED ON Sec. 12 (M) | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF MAY 1994. 2 ADULTS (1 LIGHT M N EAST NEST ON 19 JUN 1997. Accuracy: | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO ORPH, 1 DARK MORPH) (nonspecific area | FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR D PERCHED NEAR WEST NES Area (acres): | 5, RTH, EAST, ST, AND 1 35 | |
| ERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Fhreats: General: 1 ADULT AT NEST OB LIGHT-MORPH ADULT PLSS: T03S, R06E, S JTM: Zone-10 N417 County Summary: | OTO LOCATIONS I COTTONWOOI WILLOW. SURR SERVED ON 2 M OBSERVED ON Sec. 12 (M) | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF MAY 1994. 2 ADULTS (1 LIGHT M N EAST NEST ON 19 JUN 1997. Accuracy: Latitude/Longitude: | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO ORPH, 1 DARK MORPH) (nonspecific area | FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR D PERCHED NEAR WEST NES Area (acres): | 5, RTH, EAST, ST, AND 1 35 | |
| ERRY SRA. MAPPED Cological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Threats: General: ADULT AT NEST OB IGHT-MORPH ADULT PLSS: T03S, R06E, S JTM: Zone-10 N417 County Summary: San Joaquin | OTO LOCATIONS I COTTONWOOI WILLOW. SURR SERVED ON 2 M OBSERVED ON Sec. 12 (M) | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF MAY 1994. 2 ADULTS (1 LIGHT M N EAST NEST ON 19 JUN 1997. Accuracy: Latitude/Longitude: Quad Summary: | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO ORPH, 1 DARK MORPH) (nonspecific area | FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR D PERCHED NEAR WEST NES Area (acres): | 5, RTH, EAST, ST, AND 1 35 | |
| ERRY SRA. MAPPED cological: 994 & 1997 NESTS IN COTTONWOOD, AND ND WEST. Threats: General: ADULT AT NEST OB IGHT-MORPH ADULT PLSS: T03S, R06E, S JTM: Zone-10 N417 County Summary: San Joaquin Sources: | OTO LOCATIONS I COTTONWOOI WILLOW. SURR OBSERVED ON 2 M Gec. 12 (M) 3362 E652669 | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF MAY 1994. 2 ADULTS (1 LIGHT M N EAST NEST ON 19 JUN 1997. Accuracy: Latitude/Longitude: Quad Summary: | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO ORPH, 1 DARK MORPH) O nonspecific area 37.69478 / -121.26833 | FIELD SU SLOUGH; UTH AND | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR D PERCHED NEAR WEST NES Area (acres): Elevation (feet): | 5, 20, AND 1 35 20 | |
| FERRY SRA. MAPPED Ecological: 1994 & 1997 NESTS IN COTTONWOOD, AND AND WEST. Threats: General: 1 ADULT AT NEST OB LIGHT-MORPH ADULT PLSS: T03S, R06E, S UTM: Zone-10 N417 County Summary: San Joaquin Sources: CRO97F0002 CRO | D TO LOCATIONS I COTTONWOOI WILLOW. SURR SERVED ON 2 M OBSERVED ON Sec. 12 (M) 3362 E652669 WE, R. (MOORE | S FOR 2 NESTS CONCURRENTL DS. HABITAT CONSISTED OF RII OUNDING AREA CONSISTED OF NEAST NEST ON 19 JUN 1997. Accuracy: Latitude/Longitude: Quad Summary: Vernalis (3712163) | Y ACTIVE IN 1997, FROM PARIAN ADJACENT TO A F PARK LAND TO THE SO ORPH, 1 DARK MORPH) (nonspecific area 37.69478 / -121.26833 | FIELD SU SLOUGH; UTH AND DBSERVE | IRVEY FORMS. VEGETATED BY VALLEY OAK AGRICULTURAL TO THE NOR D PERCHED NEAR WEST NES Area (acres): Elevation (feet): | 2, TH, EAST, 35 20 17-06-19 | |



California Natural Diversity Database



| Map Index Number: | 51714 | | EO Index: | | 51714 | |
|--|-----------------------------|-----------------------------|-------------------------------|-------------|---|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 1215 | | Occurrence Last Updated: 2003 | | 2003-07-08 | |
| Scientific Name: | Buteo swainsoni | | Common Name: | Swainsor | n's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | s: Global: | G5 | | | C-Least Concern BCC-Birds of Conservation Concern | |
| | State: | S3 | | - | - | |
| General Habitat: | | | Micro Habitat: | | | |
| BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODEN | |
| ast Date Observed: | 2003-07-02 | | Occurrence Type: | Natural/ | Native occurrence | |
| ast Survey Date: | 2003-07-02 | | Occurrence Rank: | : Excellent | | |
| Owner/Manager: | PVT | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| AST SIDE OF LAMME | ERERS (FERRY) | ROAD, 0.3 MILE NORTH OF SCH | HULTE ROAD, 2 MILES SV | V OF TRA | CY. | |
| etailed Location: | | | | | | |
| NEST IS LOCATED AT | THE 95% HEIG | HT OF THE NEST TREE, WITHIN | A ROW OF PINES, ON TH | HE EAST S | SIDE OF A WIDE, RUDERAL STRIP. | |
| cological: | | | | | | |
| IEST TREE IS A PINE THE SE. | ; SURROUNDED |) BY CULTIVATED LAND (ALFAL | FA EAST AND WEST) IN A | LL DIREC | TIONS, EXCEPT FOR A FARMSTEAD TO | |
| hreats: | | | | | | |
| HREATENED BY WE | STWARD EXPA | NSION OF TRACY. | | | | |
| General: | | | | | | |
| | VIGOROUSLY | DEFENDING THE NEST ON 2 JU | L 2003. | | | |
| 2 ADULTS OBSERVED | | Accuracy: | 80 meters | | Area (acres): 0 | |
| | Sec. 31 (M) | | | | | |
| PLSS: T02S, R05E, S | Sec. 31 (M) 6331 E634263 | Latitude/Longitude: | 37.72441 / -121.47648 | | Elevation (feet): 85 | |
| PLSS: T02S, R05E, S JTM: Zone-10 N417 | () | • | 37.72441 / -121.47648 | | Elevation (feet): 85 | |
| PLSS: T02S, R05E, S | () | Latitude/Longitude: | 37.72441 / -121.47648 | | Elevation (feet): 85 | |

RES03F0024 RESSEGUIE, L. - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2003-07-02



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 51766 | | EO Index: | | 51766 | |
|--|--|--|------------------------------------|--|--|--------|
| Key Quad: | Union Island (| 3712174) | Element Code: | Element Code: ABNK | | |
| Occurrence Number: | 1228 | | Occurrence Last U | Occurrence Last Updated: 2003-07-15 | | |
| Scientific Name: E | Buteo swainsoni | | Common Name: | Swainson | 's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | Other Lists: BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation C | | |
| CNDDB Element Rank | s: Global: | G5 | | | | oncern |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| BENERAL HADITAL BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH ANDS WITH GROVES OR LINES OF TREES. | | | | | ABLE FORAGING AREAS SUC OR GRAIN FIELDS SUPPORT | - |
| Last Date Observed: | 2003-04-26 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 2003-04-26 | | Occurrence Rank: | k: Good | | |
| Owner/Manager: | PVT | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| SOUTH SIDE OF VAN | SOSTEN ROAD, | , 0.25 MILE EAST OF THE PEW R | OAD INTERSECTION, 3 M | IILES WES | ST OF TRACY. | |
| Detailed Location: | | | | | | |
| | | | | | | |
| Ecological: | | | ED WITH A FARM COMPL | EX: SURF | ROUNDED BY AGRICULTURE. | |
| NEST TREE IS WITHIN | I A GROUP OF E | EUCALYPTUS TREES ASSOCIAT | | , | | |
| NEST TREE IS WITHIN Threats: | | | | , | | |
| NEST TREE IS WITHIN Threats: THREATENED BY AGF | | | | , | | |
| NEST TREE IS WITHIN Threats: THREATENED BY AGF General: | RICULTURE & H | OME DEVELOPMENT. | | , | | |
| NEST TREE IS WITHIN Threats: THREATENED BY AGF General: 2 ADULTS OBSERVED | RICULTURE & H | OME DEVELOPMENT. 26 APR 2003. | | | | |
| NEST TREE IS WITHIN Threats: THREATENED BY AGF General: 2 ADULTS OBSERVED PLSS: T02S, R04E, S | RICULTURE & H NESTING ON 2 Sec. 24 (M) | OME DEVELOPMENT. 26 APR 2003. Accuracy: | 80 meters | | Area (acres): | 0 |
| NEST TREE IS WITHIN Threats: THREATENED BY AGF General: 2 ADULTS OBSERVED PLSS: T02S, R04E, S | RICULTURE & H | OME DEVELOPMENT. 26 APR 2003. | | | Area (acres): Elevation (feet): | |
| NEST TREE IS WITHIN Threats: THREATENED BY AGF General: 2 ADULTS OBSERVED PLSS: T02S, R04E, S UTM: Zone-10 N417 | RICULTURE & H NESTING ON 2 Sec. 24 (M) | OME DEVELOPMENT. 26 APR 2003. Accuracy: | 80 meters | | . , | 0 |
| Threats: THREATENED BY AGF General: 2 ADULTS OBSERVED PLSS: T02S, R04E, S | RICULTURE & H NESTING ON 2 Sec. 24 (M) | OME DEVELOPMENT. 26 APR 2003. Accuracy: Latitude/Longitude: | 80 meters 37.75028 / -121.49443 | | . , | 0 |

OR03F0001 Y

YORK, R. & A. ERICHSEN (CALIFORNIA ENERGY COMMISSION) - FIELD SURVEY FORM FOR BUTEO SWAINSONI (NEST SITE) 2003-04-26



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 64174 | | EO Index: | | 64269 | |
|--|---|---|--|-----------------|---|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 1618 | | Occurrence Last U | pdated: | 2006-03-08 | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainson's hawk | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | s: Global: | G5 | | | -Least Concern BCC-Birds of Conservation Concern | |
| | State: | S3 | | 00.110_ | | |
| General Habitat: | | | Micro Habitat: | | | |
| BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODEN | |
| Last Date Observed: | 2002-07-17 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 2002-07-17 | | Occurrence Rank: | Unknown | | |
| | | | | | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| • | PVT Presumed Exta | ant | Trend: | Unknow | n | |
| Presence: | | ant | Trend: | Unknow | n | |
| Presence: Location: | Presumed Exta | ant AD AND 0.25 MILE NORTH OF WI | | | | |
| Presence: Location: 0.1 MILE EAST OF SOL | Presumed Exta | | | | | |
| Presence: Location: 0.1 MILE EAST OF SOU Detailed Location: | Presumed Exta | | | | | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: | Presumed Exta | | EST 11TH STREET, EAST | | | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: NEST TREE WAS A WI | Presumed Exta | AD AND 0.25 MILE NORTH OF WI | EST 11TH STREET, EAST | | | |
| Detailed Location: Ecological: NEST TREE WAS A WI Threats: THREATENED BY ADJ. | Presumed Exta JTH BANTA RO LLOW; SURRO | AD AND 0.25 MILE NORTH OF WI | EST 11TH STREET, EAST | | | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: NEST TREE WAS A WI Threats: THREATENED BY ADJ. General: | Presumed Exta JTH BANTA RO LLOW; SURRO ACENT DEVELO | AD AND 0.25 MILE NORTH OF WI JNDED BY ROW CROPS IN ALL I OPMENT (TO THE WEST). | EST 11TH STREET, EAST DIRECTIONS. | OF TRAC | SY. | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: NEST TREE WAS A WI Threats: THREATENED BY ADJ. General: PROBABLE NESTING (| Presumed Exta JTH BANTA RO LLOW; SURRO ACENT DEVELO | AD AND 0.25 MILE NORTH OF WI JNDED BY ROW CROPS IN ALL I OPMENT (TO THE WEST). | EST 11TH STREET, EAST DIRECTIONS. 3SERVED ON 3 JUN; 3 HE | OF TRAC | | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: NEST TREE WAS A WI Threats: THREATENED BY ADJ, General: PROBABLE NESTING (ADULTS AND 2 JUVEN | Presumed Exta JTH BANTA RO LLOW; SURRO ACENT DEVELO DBSERVED ON ILES OBSERVE | AD AND 0.25 MILE NORTH OF WI JNDED BY ROW CROPS IN ALL I DPMENT (TO THE WEST). 20 APR; INCUBATING ADULT OE | EST 11TH STREET, EAST DIRECTIONS. 3SERVED ON 3 JUN; 3 HE | OF TRAC | SY. | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: NEST TREE WAS A WI Threats: THREATENED BY ADJ. General: PROBABLE NESTING (ADULTS AND 2 JUVEN PLSS: T02S, R05E, S | Presumed Exta JTH BANTA RO LLOW; SURRO ACENT DEVELO DBSERVED ON ILES OBSERVE ec. 24 (M) | AD AND 0.25 MILE NORTH OF WI JNDED BY ROW CROPS IN ALL I DPMENT (TO THE WEST). 20 APR; INCUBATING ADULT OE D IN THE FIELD ACROSS THE S | EST 11TH STREET, EAST DIRECTIONS. BSERVED ON 3 JUN; 3 HE TREET ON 17 JUL 2002. | OF TRAC | CY. RE VISIBLE IN THE NEST ON 3 JUN; 2 | |
| Presence: Location: 0.1 MILE EAST OF SOL Detailed Location: Ecological: NEST TREE WAS A WI Threats: THREATENED BY ADJ. General: PROBABLE NESTING (ADULTS AND 2 JUVEN PLSS: T02S, R05E, S | Presumed Exta JTH BANTA RO LLOW; SURRO ACENT DEVELO DBSERVED ON ILES OBSERVE ec. 24 (M) | AD AND 0.25 MILE NORTH OF WI JNDED BY ROW CROPS IN ALL I OPMENT (TO THE WEST). 20 APR; INCUBATING ADULT OE D IN THE FIELD ACROSS THE S Accuracy: | EST 11TH STREET, EAST DIRECTIONS. 3SERVED ON 3 JUN; 3 HE TREET ON 17 JUL 2002. 80 meters | OF TRAC | CY. RE VISIBLE IN THE NEST ON 3 JUN; 2 Area (acres): 0 | |

DFG05U0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 2 - ACCESS DATABASE & EXCEL TABLE OF SWAINSON'S HAWK NEST RECORDS FROM 2000-2004. 2005-XX-XX



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 64669 | | EO Index: | | 64748 | |
|--|----------------|-------------------------------|--------------------------|--|---|--|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 1624 | | Occurrence Last Updated: | | 2006-05-11 | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainso | n's hawk | |
| isting Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | _ | Sensitive | |
| NDDB Element Rank | s: Global: | G5 | | IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern | | |
| | State: | S3 | | - | _ | |
| General Habitat: | | | Micro Habitat: | | | |
| General Habitat: BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING RODEN | |
| ast Date Observed: | 2002-07-17 | | Occurrence Type: | Natural | /Native occurrence | |
| ast Survey Date: | 2002-07-17 | | Occurrence Rank: | : Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| I MILE SW OF THE IN | FERSECTION O | F KASSON ROAD AND I-5, EAST | OF TRACY. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| | RGE VALLEY O | OAK IN THE MIDDLE OF A FIELD; | SURROUNDED BY ROW | CROPS II | N ALL DIRECTIONS. | |
| Threats: | | | | | | |
| General: | | | | | | |
| 2 ADULTS OBSERVED 1 JUVENILE OBSERVE | | | CHICKS PERCHED IN THE | FIELD O | N 27 JUN, 1 FLEW TO NEST; 1 ADULT ANE | |
| PLSS: T02S, R06E, S | Sec. 30 (M) | Accuracy: | 80 meters | | Area (acres): 0 | |
| UTM: Zone-10 N417 | 8139 E644770 | Latitude/Longitude: | 37.73910 / -121.35694 | | Elevation (feet): 35 | |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| | | | | | | |

RECORDS FROM 2000-2004. 2005-XX-XX



California Department of Fish and Wildlife

California Natural Diversity Database



| Man Indax Number | 65407 | | EQ Index. | | 65576 | |
|--|-----------------|------------------------------|-----------------------|--|--|--|
| Map Index Number: | 65497 | 24.00 | EO Index: | | 65576 | |
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 1647 | | Occurrence Last U | pdated: | 2006-07-31 | |
| Scientific Name: E | Buteo swainsoni | | Common Name: | Swainsor | n's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | iks: Global: | G5 | | | C-Least Concern BCC-Birds of Conservation Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODEN POPULATIONS. | | |
| Last Date Observed: | 2002-07-23 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 2002-07-23 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| 1.5 MILES SSW OF TH | E INTERSECTIO | ON OF I-5 AND KASSON ROAD, 2 | MILES SSE OF BANTA. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| | ALLEY OAK; SUP | RROUNDED BY ROW CROPS IN | ALL DIRECTIONS. | | | |
| Threats: | | | | | | |
| General: | | | | | JUL 2002, BUT NO CHICKS EVER SEEN. | |
| | | | | IN, AIND 17 | | |
| PLSS: T02S, R06E, S | () | Accuracy: | 80 meters | | Area (acres): 0 | |
| UTM: Zone-10 N417 | 6986 E644941 | Latitude/Longitude: | 37.72869 / -121.35522 | | Elevation (feet): 50 | |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |

RECORDS FROM 2000-2004. 2005-XX-XX



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 67094 | | EO Index: | | 67243 | | |
|---------------------|-----------------|--|-----------------------|---------------------------------|---|------------|--|
| Key Quad: | Vernalis (371 | 2163) | Element Code: | Element Code: A | | ABNKC19070 | |
| Occurrence Number: | 1666 | | Occurrence Last U | Occurrence Last Updated: 2006-1 | | | |
| Scientific Name: | Buteo swainsoni | | Common Name: | Swainson's hawk | | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | Threatened | Other Lists: | BLM_S-Sensitive | | | |
| CNDDB Element Ranl | s: Global: | G5 | | | C-Least Concern _BCC-Birds of Conservation Co | ncern | |
| | State: | S3 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | EAS, SAVANNAH | TTERED TREES, JUNIPER-SAGE HS, & AGRICULTURAL OR RANC TREES. | | | ABLE FORAGING AREAS SUG OR GRAIN FIELDS SUPPOR | | |
| Last Date Observed: | 2003-06-30 | | Occurrence Type: | Natural/ | Native occurrence | | |
| Last Survey Date: | 2003-06-30 | | Occurrence Rank: | Unknow | 'n | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | | |
| Presence: | Presumed Exta | ant | | | | | |
| Location: | | | | | | | |
| SOUTH SIDE OF HIGH | IWAY 132, 0.5 M | IILE EAST OF KOSTER ROAD, 9 | MILES SE OF TRACY. | | | | |
| Detailed Location: | | | | | | | |
| Ecological: | | | | | | | |
| NEST TREE WAS AN | EXOTIC (POPLA | R?); SURROUNDED BY ORCHAF | RDS/VINEYARDS TO THE | SE AND S | SW, AND ROW CROPS TO TH | E NE AND N | |
| Threats: | | | | | | | |
| General: | | | | | | | |
| NEST DISCOVERED (| ON 20 JUN 2003; | ADULTS OBSERVED COMING A | ND GOING FROM THE NE | EST TREE | ON 30 JUN 2003. | | |
| PLSS: T03S, R06E, | Sec. 33 (M) | Accuracy: | 80 meters | | Area (acres): | 0 | |
| UTM: Zone-10 N416 | 6928 E648642 | Latitude/Longitude: | 37.63747 / -121.31530 | | Elevation (feet): | 135 | |
| County Summary: | | Quad Summary: | | | | | |
| | | | | | | | |
| San Joaquin | | Vernalis (3712163) | | | | | |

RECORDS FROM 2000-2004. 2005-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 69988 | | EO Index: | | 70828 | |
|--|-------------------------|----------------------------------|------------------------------------|--|--|----------|
| Key Quad: | Vernalis (371) | 2163) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 1694 | | Occurrence Last U | pdated: | 2007-09-20 | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainson | 's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | | | |
| CNDDB Element Rank | s: Global: | G5 | | IUCN_LC-Least Concern USFWS BCC-Birds of Conservation Concern | | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| General Habitat: BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | | ABLE FORAGING AREAS SUCH OR GRAIN FIELDS SUPPORTI | |
| ast Date Observed: | 2006-04-14 | | Occurrence Type: | Natural/N | Native occurrence | |
| ast Survey Date: | 2006-04-14 | | Occurrence Rank: | Unknowr | า | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| _ocation: | | | | | | |
| | 132, NEAR THE | INTERSECTION OF VERNALIS R | OAD AND KOSTER ROA | D, ~9 MILE | S SE OF TRACY. | |
| NORTH OF HIGHWAY | | | | | | |
| | | | | | | |
| Detailed Location: | | | | | | |
| Detailed Location: Ecological: NEST TREE IS AN OLE | O WALNUT. | | | | | |
| Detailed Location: Ecological: NEST TREE IS AN OLE Threats: |) WALNUT. | | | | | |
| Detailed Location: Ecological: NEST TREE IS AN OLE Threats: General: | | | | | | |
| Detailed Location: Ecological: NEST TREE IS AN OLE Threats: General: | | | | | | |
| Detailed Location: Ecological: NEST TREE IS AN OLE Threats: General: 2 ADULTS OBSERVED | NESTING. | Accuracy: | 1/10 mile | | Area (acres): | 0 |
| Detailed Location: Ecological: NEST TREE IS AN OLD Inreats: General: 2 ADULTS OBSERVED PLSS: T03S, R06E, S | NESTING. Sec. 29 (M) | Accuracy: Latitude/Longitude: | 1/10 mile 37.63833 / -121.32527 | | Area (acres): Elevation (feet): | 0 152 |
| Detailed Location: Ecological: NEST TREE IS AN OLE Fhreats: General: 2 ADULTS OBSERVED PLSS: T03S, R06E, S JTM: Zone-10 N416 | NESTING. Sec. 29 (M) | • | | | | - |
| Detailed Location: Ecological: NEST TREE IS AN OLE Threats: General: 2 ADULTS OBSERVED PLSS: T03S, R06E, S | NESTING. Sec. 29 (M) | Latitude/Longitude: | | | | - |



California Department of Fish and Wildlife

California Natural Diversity Database



| | 89972 | | EO Index: | | 90985 | | |
|--|-------------------------------|--|--|--|---|------------|--|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | ABNKC19070 | | |
| Occurrence Number: | 2440 | | Occurrence Last U | pdated: | 2013-08-08 | 2013-08-08 | |
| Scientific Name: B | Buteo swainsoni | | Common Name: | Swainsor | n's hawk | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | | |
| CNDDB Element Rank | s: Global: | G5 | | IUCN_LC-Least Concern USFWS BCC-Birds of Conservation Concern | | | |
| | State: | S3 | | _ | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES. | | | | | ABLE FORAGING AREAS SUCH AS OR GRAIN FIELDS SUPPORTING | | |
| Last Date Observed: | 1994-05-02 | | Occurrence Type: | Natural/ | Native occurrence | | |
| Last Survey Date: | 1994-05-02 | | Occurrence Rank: | : Unknown | | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | | |
| Presence: | Presumed Exta | nt | | | | | |
| Location: | | | | | | | |
| RED BRIDGE SLOUGH | I, BETWEEN AIR | PORT WAY AND RIVER JUNCTI | ON FARMS (=MORTENSE | N) ROAD | | | |
| Detailed Location: | | | | | | | |
| | AND SJ033 FROM | M CDFW SWAINSON'S HAWK OF | SERVATIONS DATABAS | E. | | | |
| TERRITORIES SJ032 A | | | | | | | |
| | | | | | | | |
| Ecological: 1986 NEST ON E SIDE | SLOUGH, 50' U | P IN OAK. 1987 NESTS IN OAKS. | 1994 NEST IN MATURE (| COTTONW | OOD ON THE SLOUGH. | | |
| Ecological: 1986 NEST ON E SIDE Threats: | SLOUGH, 50' U | P IN OAK. 1987 NESTS IN OAKS. | 1994 NEST IN MATURE (| COTTONW | OOD ON THE SLOUGH. | | |
| Ecological: 1986 NEST ON E SIDE Threats: General: | | | | | | | |
| Ecological: 1986 NEST ON E SIDE Threats: General: 2 ADULTS & 1 FLEDGL | | | | | OOD ON THE SLOUGH. | 2 MAY | |
| Ecological: 1986 NEST ON E SIDE Threats: General: 2 ADULTS & 1 FLEDGL 1994. | LING OBS AT NE | | | | | | |
| Ecological: 1986 NEST ON E SIDE Threats: General: 2 ADULTS & 1 FLEDGL 1994. PLSS: T03S, R06E, S | LING OBS AT NE Sec. 12 (M) | ST ON 25 JUN 1986. 2 NESTING | PAIRS OBSERVED IN 19 | | . NESTING PAIR OBSERVED ON 2 | 8 | |
| Ecological: 1986 NEST ON E SIDE Threats: General: 2 ADULTS & 1 FLEDGL 1994. PLSS: T03S, R06E, S | LING OBS AT NE Sec. 12 (M) | ST ON 25 JUN 1986. 2 NESTING Accuracy: | PAIRS OBSERVED IN 194 nonspecific area | | . NESTING PAIR OBSERVED ON 2 Area (acres): 17 | 8 | |
| Ecological: 1986 NEST ON E SIDE Threats: General: 2 ADULTS & 1 FLEDGL 1994. PLSS: T03S, R06E, S UTM: Zone-10 N417 | LING OBS AT NE Sec. 12 (M) | ST ON 25 JUN 1986. 2 NESTING Accuracy: Latitude/Longitude: | PAIRS OBSERVED IN 194 nonspecific area 37.69394 / -121.25307 | | . NESTING PAIR OBSERVED ON 2 Area (acres): 17 | 8 | |

DFG94U0003 DFG - NONGAME BIRDS & MAMMALS - TABLE OF SWAINSON'S HAWK NEST RECORDS THROUGH 1994. 1994-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 89973 | | EO Index: | | 90986 | |
|---------------------|-----------------|--|------------------------|-----------|---|----------|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | ABNKC19070 | |
| Occurrence Number: | 2441 | | Occurrence Last Up | pdated: | 2013-08-09 | |
| Scientific Name: B | uteo swainsoni | | Common Name: | Swainsor | n's hawk | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | s: Global: | G5 | | | C-Least Concern _BCC-Birds of Conservation Conce | ern |
| | State: | S3 | | _ | - | |
| General Habitat: | | | Micro Habitat: | | | |
| | AS, SAVANNAH | TTERED TREES, JUNIPER-SAGE IS, & AGRICULTURAL OR RANC TREES. | | | ABLE FORAGING AREAS SUCH OR GRAIN FIELDS SUPPORTIN | |
| Last Date Observed: | 1988-XX-XX | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 1988-XX-XX | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | nt | | | | |
| Location: | | | | | | |
| ALONG AIRPORT WAY | , E SIDE SAN JO | DAQUIN RIVER ABOUT 0.3 MILE | S SW OF THE DIVISION R | OAD JUN | ICTION AND 7 MILES SW OF RIP | ON. |
| Detailed Location: | | | | | | |
| | | INSON'S HAWK OBSERVATION RIPTIONS "AIRPORT WAY/DIVIS | | | ENT HABITAT NEAREST GIVEN T Y CP ALONG AIRPORT WAY." | RS, NE1/ |
| Ecological: | | | | | | |
| HABITAT DESCRIBED | AS RIPARIAN, C | ROPLAND. | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| NEST WITH PAIR AND | 2 YOUNG OBSE | ERVED IN 1987. 2 ADULTS AT N | EST OBSERVED IN 1988. | | | |
| PLSS: T03S, R06E, S | ec. 12 (M) | Accuracy: | 1/5 mile | | Area (acres): |) |
| UTM: Zone-10 N417 | 1985 E653987 | Latitude/Longitude: | 37.68215 / -121.25367 | | Elevation (feet): | 30 |
| County Summary: | | Quad Summary: | | | | |
| | | Ripon (3712162), Vern | alis (3712163) | | | |
| San Joaquin | | 1 - ()) - | (••••=•••) | | | |





| Map Index Number: | 11753 | | EO Index: | 72735 |
|---|------------------|---|--|---|
| Key Quad: | Ripon (3712162) | | Element Code: | ABNKD06030 |
| Occurrence Number: | 18 | | Occurrence Last U | pdated: 2008-07-31 |
| Scientific Name: F | alco columbarius | | Common Name: | merlin |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | CDFW_WL-Watch List |
| CNDDB Element Ranks | s: Global: (| G5 | | IUCN_LC-Least Concern |
| | State: S | S3S4 | | |
| General Habitat: | | | Micro Habitat: | |
| SEACOAST, TIDAL ES EDGES OF GRASSLAN | | /OODLANDS, SAVANNAHS, FARMS & RANCHES. | CLUMPS OF TREES | S OR WINDBREAKS ARE REQUIRED FOR ROOSTING Y. |
| Last Date Observed: | 1991-12-29 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1991-12-29 | | Occurrence Rank: | Excellent |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Extant | | | |
| Location: | | | | |
| NEAR THE CONFLUEN | ICE OF THE SAN J | IOAQUIN & STANISLAUS RIVE | RS. | |
| Detailed Location: | | | | |
| LOCATION GIVEN AS " EAST OF MODESTO" A | FAITH RANCH OW | /NED BY ROBERT GALLO" (OI BANK OF THE STANISLAUS R | F E & J GALLO). ADDITIO IVER FOR 2 MI UPSTREA | NAL INFORMATION GIVES FAITH RANCH AS "12 MI M FROM THE SAN JOAQUIN RIVER." |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| 1 ADULT MALE OVER- | WINTERING ON 29 | 9 DEC 1991. | | |
| PLSS: T03S, R07E, S | ec. 19 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4170 | 0153 E655585 | Latitude/Longitude: | 37.66538 / -121.23596 | Elevation (feet): 25 |
| County Summary: | | Quad Summary: | | |
| San Joaquin, Stanislaus | i | Ripon (3712162), Verna | alis (3712163) | |
| Sources: | | | | |
| CAI91F0002 CAIN | E, E FIELD SURV | /EY FORM FOR FALCO COLU | MBARIUS 1991-12-29 | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11753 | | EO Index: | | 25566 | |
|--|-----------------|--------------------------------|--------------------------|-----------|--|----------|
| Key Quad: | Ripon (37121 | 62) | Element Code: | | ABNRB02022 | |
| Occurrence Number: | 141 | | Occurrence Last U | pdated: | 1989-08-10 | |
| Scientific Name: Co | occyzus americ | anus occidentalis | Common Name: | western y | yellow-billed cuckoo | |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | | | |
| | State: | Endangered | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | : Global: | G5T2T3 | | | RWL-Red Watch List -Sensitive | |
| | State: | S1 | | USFWS_ | BCC-Birds of Conservation Co | oncern |
| General Habitat: | | | Micro Habitat: | | | |
| RIPARIAN FOREST NES BOTTOMS OF LARGER | | THE BROAD, LOWER FLOOD- MS. | | | ES OF WILLOW, OFTEN MIXE R STORY OF BLACKBERRY, M | |
| Last Date Observed: | 1973-06-24 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1977-06-30 | | Occurrence Rank: | None | | |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n | |
| Presence: | Possibly Extirp | pated | | | | |
| Location: | | | | | | |
| MOUTH OF STANISLAU | S RIVER. | | | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| NUMEROUS CUCKOO (1973. | DBSERVATION | NS FROM 1962-73, REPORTED IN | N AFN AND AB; 5 INDIVIDI | JALS OBS | ERVED IN 1962; ONLY ONE (| OBSERVED |
| PLSS: T03S, R07E, Se | ec. 19 (M) | Accuracy: | 1 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4170 | 153 E655585 | Latitude/Longitude: | 37.66538 / -121.23596 | | Elevation (feet): | 25 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin, Stanislaus | | Ripon (3712162), Verr | nalis (3712163) | | | |
| Sources: | | | | | | |

ENDANGERED WILDLIFE PROJECT. E-1-1. CALIFORNIA DEPARTMENT OF FISH AND GAME. 1977-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 23730 | | EO Index: | | 16753 |
|--------------------------------|------------------|---|---------------------------|-----------|--|
| Key Quad: | Solyo (37121 | 53) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 167 | | Occurrence Last U | pdated: | 1993-07-28 |
| Scientific Name: A | thene cuniculari | a | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | | SC-Species of Special Concern |
| | State: | S3 | | USFWS_ | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRF |
| Last Date Observed: | 1992-09-14 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 1992-09-14 | | Occurrence Rank: | Good | |
| Owner/Manager: | PVT-ELWORT | THY RANCH | Trend: | Unknow | n |
| Presence: | Presumed Ext | ant | | | |
| Location: | | | | | |
| ALONG HOSPITAL CR | EEK (WASH), 2 | 7 MILES SW OF I-580 JUNCTION | I WITH I-5, 7 MILES SW OI | F VERNAL | IS. |
| Detailed Location: | | | | | |
| BURROW LOCATED A | LONG THE SID | E OF THE WASH. | | | |
| Ecological: | | | | | |
| SURROUNDING FORA | GING HABITAT | IS GRAZED GRASSLAND. | | | |
| Threats: | | | | | |
| General: | | | | | |
| ONE OWL OBSERVED | AT BURROW E | INTRANCE. | | | |
| PLSS: T04S, R05E, S | Sec. 24 (M) | Accuracy: | 80 meters | | Area (acres): 0 |
| UTM: Zone-10 N415 | 9302 E643465 | Latitude/Longitude: | 37.56959 / -121.37545 | | Elevation (feet): 600 |
| | | Quad Summary: | | | |
| County Summary: | | | Tas - Ora - L (0740454) | | |
| County Summary: San Joaquin | | Solyo (3712153), Lone | e Tree Creek (3712154) | | |



California Department of Fish and Wildlife



| Map Index Number: | 23897 | | EO Index: | | 7343 | |
|-----------------------|-------------------|---|------------------------|-----------|--|-----|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 | |
| Occurrence Number: | 170 | | Occurrence Last U | pdated: | 1993-09-20 | |
| Scientific Name: A | thene cunicularia | 1 | Common Name: | burrowing | g owl | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | s: Global: | G4 | | | SC-Species of Special Concern | |
| | State: | S3 | | | BCC-Birds of Conservation Conce | ern |
| General Habitat: | | | Micro Habitat: | | | |
| | | GRASSLANDS, DESERTS & OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQ | |
| Last Date Observed: | 1991-08-11 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 1991-08-11 | | Occurrence Rank: | Poor | | |
| Owner/Manager: | PVT-LYON'S D | EVEL CO | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | nt | | | | |
| Location: | | | | | | |
| 0.4 MILE SE OF THE IN | ITERSECTION C | OF JEFFERSON BLVD AND VALF | PICO ROAD, 2 MILES SOL | ITH OF TR | RACY. | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| HABITAT IS A SMALL (| <0.5 ACRE) PIE | CE OF LAND SURROUNDED BY | DISKED FIELD. | | | |
| Threats: | | | | | | |
| THREATENED BY AGF | RICULTURE AND | DEVELOPMENT. | | | | |
| General: | | | | | | |
| SITE CONTAINED AN | ACTIVE BURRO | W AND AT LEAST 2 RESIDENT (| OWLS. | | | |
| PLSS: T03S, R05E, S | sec. 04 (M) | Accuracy: | 80 meters | | Area (acres): |) |
| UTM: Zone-10 N417 | 4366 E638375 | Latitude/Longitude: | 37.70610 / -121.43022 | | Elevation (feet): | 15 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| | | | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 24674 | | EO Index: | | 6557 |
|---------------------|------------------|---|-----------------------|-----------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 201 | | Occurrence Last U | pdated: | 1993-11-18 |
| Scientific Name: A | thene cuniculari | a | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern |
| | State: | S3 | | | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL |
| Last Date Observed: | 1992-09-28 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1992-09-28 | | Occurrence Rank: | None | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Extirpated | | | | |
| Location: | | | | | |
| BETWEEN DELTA-MEN | IDOTA CANAL | AND SCHULTE ROAD, 1.1 MILES | WEST OF LAMMERS RO | AD, 4 MIL | ES SW OF TRACY. |
| Detailed Location: | | | | | |
| BURROW LOCATED A | F MILEPOST 32 | 25.3 ALONG AN EXISTING GAS P | IPELINE. | | |
| Ecological: | | | | | |
| | NG THE BURRO | OW CONSISTS OF NON-NATIVE | GRASSLAND. | | |
| Threats: | | | | | |
| General: | | | | | |
| | | IRROW SITE CONTAINING FEAT XCAVATED (WITH DFG APPROV | | EY REMA | INS AROUND THE BURROW ENTRANCE |
| PLSS: T02S, R04E, S | ec. 35 (M) | Accuracy: | 80 meters | | Area (acres): 0 |
| UTM: Zone-10 N4175 | 5315 E632485 | Latitude/Longitude: | 37.71552 / -121.49684 | | Elevation (feet): 150 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| San Juaquin | | 11409 (0712104) | | | |

JEN92F0001 JENNINGS, J. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1992-09-28



California Natural Diversity Database



| DIVERSITY | | | | | · |
|-------------------------------|-----------------|--|--------------------|-----------|---|
| Map Index Number: | 36446 | | EO Index: | | 31443 |
| Key Quad: | Tracy (37121 | 164) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 250 | | Occurrence Last U | Jpdated: | 2014-02-13 |
| Scientific Name: A | thene cunicular | ia | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | | SC-Species of Special Concern |
| | State: | S3 | | | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL. |
| Last Date Observed: | 2006-05-29 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 2006-05-29 | | Occurrence Rank: | Poor | |
| Owner/Manager: | PVT | | Trend: | Unknow | n |
| Presence: | Presumed Ex | tant | | | |
| Location: | | | | | |
| ALONG SOUTHERN P | ACIFIC RAILRO | DAD, FROM AROUND CORRAL HOLL | OW RD EAST TO CEN | ITRAL AVE | , TRACY. |
| Detailed Location: | | | | | |
| | | ILROAD TRACK BERM, SURROUNDE BETWEEN THE SCHOOL AND THE H | | | L FIELD. OTHER BURROWS FOUND THIS OCCURRENCE WERE EXTIRPATED |
| Ecological: | | | | | |
| | | | | | ISTLE AND MUSTARD, WITH SOME AVENA UND SQUIRRELS DETECTED IN AREA IN |
| Threats: | | | | | |
| THREATENED BY ROU HABITAT. | JTINE DISKING | BY RAILROAD, PREDATION BY CAT | FS/DOGS, & HUMAN E | DISTURBAN | NCE. DEVELOPMENT DESTROYED |

General:

5 PAIRS FOUND IN 1991. 1 PAIR IN 1992. 3 PAIRS IN 1993. 2 PAIRS & 9 YOUNG ON 24 JUL 1997. 18 ADULTS ON 4 MAY 1998. 41 ADULTS ON 27 AUG 1998. 5 ADULTS AT BURROWS 3 FEB 2001. 5 ADULTS (3 ESTIMATED PAIRS) ALONG RR 29 MAY 2006.

| PLSS: T02S, | R05E, Sec. 29 (M) | Accuracy: | nonspecific area | Area (acres): | 348 |
|--------------|--|---------------------|--------------------------------|-----------------------------|---------------|
| UTM: Zone-1 | 0 N4176641 E637263 | Latitude/Longitude: | 37.72676 / -121.44239 | Elevation (feet): | 70 |
| County Summa | ıry: | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| Sources: | | | | | |
| CRO97F0005 | CROWE, R. (MOORE BIOLOG 24 | ICAL CONSULTANTS) - | FIELD SURVEY FORM FOR ATHE | ENE CUNICULARIA (BURROW S | ITE) 1997-07- |
| CRO98F0006 | CROWE, R. (MOORE BIOLOG 04 | ICAL CONSULTANTS) - | FIELD SURVEY FORM FOR ATHE | ENE CUNICULARIA (BURROW S | ITE) 1998-05- |
| CRO98F0012 | CROWE, R. (MOORE BIOLOG | ICAL CONSULTANTS) - | FIELD SURVEY FORM FOR ATHE | ENE (=SPEOTYTO) CUNICULAR | IA 1998-08-27 |
| DES97U0001 | DESANTE, D. ET AL. (THE INS BURROWING OWLS IN CALIF | | PULATIONS) - INSTITUTE FOR BIF | RD POPULATIONS 1991-1993 CE | NSUS OF |
| KRA01F0001 | KRATVILLE, D FIELD SURV | EY FORM FOR ATHENE | E CUNICULARIA HYPUGEA 2001-0 | 2-03 | |
| WIL09D0003 | WILKERSON, R. & R. SIEGEL 2009-09-29 | - DATABASE AND DATA | A DICTIONARY FOR IBP'S 2006-20 | 007 STATEWIDE BURROWING C | WL SURVEY. |



California Department of Fish and Wildlife



| Map Index Number: | 38274 | | EO Index: | | 33281 | |
|---------------------|-------------------|--|-----------------------|-----------|--|-------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 | |
| Occurrence Number: | 259 | | Occurrence Last U | pdated: | 1998-03-03 | |
| Scientific Name: A | thene cunicularia | а | Common Name: | burrowing | g owl | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | s: Global: | G4 | | | SC-Species of Special Concerr C-Least Concern | 1 |
| | State: | S3 | | USFWS_ | BCC-Birds of Conservation Cor | ncern |
| General Habitat: | | | Micro Habitat: | | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWI , THE CALIFORNIA GROUND \$ | |
| Last Date Observed: | 1997-10-10 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1997-10-10 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| JUST EAST OF THE IN | TERSECTION C | OF I-205 AND THE 11TH STREET | ON-RAMP (WHERE IT CF | ROSSES I- | 205), 3 MILES WEST OF TRAC | Y. |
| Detailed Location: | | | | | | |
| BIRDS ARE VISIBLE F | ROM THE ROAD | D AND NOT PROTECTED BY FE | NCING. | | | |
| Ecological: | | | | | | |
| |) HIGHLY-DIST | URBED; LOOKS LIKE A RIGHT-C | DF-WAY. | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| | - | BURROW SITE ON 10 OCT 1997. | | | | |
| PLSS: T02S, R04E, S | · · / | Accuracy: | 1/10 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4178 | 3183 E632782 | Latitude/Longitude: | 37.74132 / -121.49294 | | Elevation (feet): | 75 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| Carrocaquin | | | | | | |





| Key Quad: Occurrence Num Scientific Name: | | 9726 | | EO Index: | | 34728 | |
|--|--|--|--|---|---|--|---|
| | Т | racy (371216 | 64) | Element Code: | | ABNSB10010 | |
| Scientific Name: | n ber: 2 | 75 | | Occurrence Last U | pdated: | 2014-01-27 | |
| | Ather | ne cunicularia | a | Common Name: | burrowin | g owl | |
| Listing Status: | | Federal: | None | Rare Plant Rank: | | | |
| | | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element | Ranks: | Global: | G4 | | | SC-Species of Special Concern C-Least Concern | 1 |
| | | State: | S3 | | | BCC-Birds of Conservation Cor | ncern |
| General Habitat: | | | | Micro Habitat: | | | |
| | | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWI , THE CALIFORNIA GROUND \$ | |
| Last Date Observ | ved: 20 | 06-05-29 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date | e: 20 | 06-05-29 | | Occurrence Rank: | Fair | | |
| Owner/Manager: | U | NKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Pr | esumed Exta | ant | | | | |
| Location: | | | | | | | |
| ALONG BYRON F | ROAD, 0.3 | 3 MI W AND | E OF CORRAL HOLLOW ROAD | , BETWEEN I-205 AND DOV | WNTOWN | TRACY. | |
| Detailed Location | n: | | | | | | |
| | | | ES, MAPS, ALONG RAILROAD CODES D, E, F, & G. | BANK, AND ON "CHURCH L | _AWN NEA | AR END OF QUIET PARKING A | REA." 2006 |
| | | | | | | | |
| Ecological: | | | | | | | |
| Ecological: HIGHLY DISTURI | | | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 | | | | |
| Ecological: HIGHLY DISTURI IN ALL DIRECTIC REFUGE. | | | AT; DOMINANT PLANT SPECI | | | | |
| Ecological: HIGHLY DISTURI IN ALL DIRECTIC REFUGE. Threats: | ONS. GRO | UND SQUIR | AT; DOMINANT PLANT SPECI | M OF BURROWS IN 2006. I | rr right | OF WAY LIKELY PROVIDES C | |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B [°] | ONS. GRO | UND SQUIR | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 | M OF BURROWS IN 2006. I | rr right | OF WAY LIKELY PROVIDES C | |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B ¹ General: 5 PAIRS ESTIMA ¹ | DNS. GRO Y RESIDE TED AT R | OUND SQUIR ENTIAL DEVE RR TRACKS | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI | RR RIGHT EVELOPM 6 1998. 2 E | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. SURROW SITES, WITH 2 ADUL | DNLY TS & 1 |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B' General: 5 PAIRS ESTIMA' ADULT, ALONG F | DNS. GRC Y RESIDE TED AT R RR TRACI | ENTIAL DEVE R TRACKS KS 1 MAR 20 | TAT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI | RR RIGHT EVELOPM 6 1998. 2 E | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. SURROW SITES, WITH 2 ADUL | DNLY TS & 1 |
| Ecological: HIGHLY DISTUR IN ALL DIRECTIC REFUGE. Threats: THREATENED B ³ General: 5 PAIRS ESTIMA ³ ADULT, ALONG F PLSS: T02S, R(| ONS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. | ENTIAL DEVE R TRACKS KS 1 MAR 20 | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURR(005. 3 BURROWS WITH 2 ADUI | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area | RR RIGHT EVELOPM 6 1998. 2 E | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 | DNLY TS & 1 MAY 2006. |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B' General: 5 PAIRS ESTIMA ADULT, ALONG F PLSS: T02S, R(UTM: Zone-10 | NS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 | OUND SQUIR ENTIAL DEVE RR TRACKS KS 1 MAR 20 20 (M) | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURR 005. 3 BURROWS WITH 2 ADUI Accuracy: | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area | RR RIGHT EVELOPM 6 1998. 2 E | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): | DNLY TS & 1 MAY 2006. 55 |
| Ecological: HIGHLY DISTURI IN ALL DIRECTIC REFUGE. Threats: THREATENED B ¹ General: 5 PAIRS ESTIMA ¹ ADULT, ALONG F PLSS: T02S, R(| NS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 | OUND SQUIR ENTIAL DEVE RR TRACKS KS 1 MAR 20 20 (M) | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURR 005. 3 BURROWS WITH 2 ADUI Accuracy: Latitude/Longitude | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area | RR RIGHT EVELOPM 6 1998. 2 E | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): | DNLY TS & 1 MAY 2006. 55 |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B General: 5 PAIRS ESTIMA ADULT, ALONG F PLSS: T02S, RC JTM: Zone-10 County Summary San Joaquin Sources: | ONS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 y: | ENTIAL DEVE RR TRACKS KS 1 MAR 20 20 (M) 2 E636299 | TAT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURRO 2005. 3 BURROWS WITH 2 ADUL Accuracy: Latitude/Longitude Quad Summary: Tracy (3712164) | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area : 37.74178 / -121.45301 | RR RIGHT EVELOPM 3 1998. 2 E CKS & 2 A | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): Elevation (feet): | DNLY TS & 1 MAY 2006. 55 40 |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B ³ General: 5 PAIRS ESTIMA ADULT, ALONG F PLSS: T02S, R(UTM: Zone-10 County Summary San Joaquin Sources: | ONS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 y: | ENTIAL DEVE RR TRACKS KS 1 MAR 20 20 (M) 2 E636299 R. (MOORE | AT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURRO 005. 3 BURROWS WITH 2 ADUI Accuracy: Latitude/Longitude Quad Summary: | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area : 37.74178 / -121.45301 | RR RIGHT EVELOPM 3 1998. 2 E CKS & 2 A | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): Elevation (feet): | TS & 1 MAY 2006. 55 40 |
| Ecological: HIGHLY DISTUR N ALL DIRECTIC REFUGE. Inreats: THREATENED B General: DAIRS ESTIMA ADULT, ALONG F PLSS: T02S, RC JTM: Zone-10 County Summary San Joaquin County Summary CRO98F0011 DES97U0001 | ONS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 y: CROWE, SITE) 199 DESANT | R TRACKS KS 1 MAR 20 20 (M) 2 E636299 R. (MOORE 98-08-03 E, D. ET AL. | TAT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURRO 2005. 3 BURROWS WITH 2 ADUL Accuracy: Latitude/Longitude Quad Summary: Tracy (3712164) | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area : 37.74178 / -121.45301 | RR RIGHT EVELOPM 3 1998. 2 E CKS & 2 A CKS & 2 A | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): Elevation (feet): | TS & 1 MAY 2006. 55 40 |
| Ecological: HIGHLY DISTURE N ALL DIRECTIC REFUGE. Threats: THREATENED B General: PAIRS ESTIMA ADULT, ALONG F PLSS: T02S, RC JTM: Zone-10 County Summary San Joaquin Sources: CRO98F0011 DES97U0001 | Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 y: CROWE, SITE) 199 DESANT BURROV | R. (MOORE 98-08-03 E, D. ET AL. VING OWLS | TAT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURRO 005. 3 BURROWS WITH 2 ADUL Accuracy: Latitude/Longitude Quad Summary: Tracy (3712164) BIOLOGICAL CONSULTANTS (THE INSTITUTE FOR BIRD PO | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area : 37.74178 / -121.45301 | RR RIGHT EVELOPM 3 1998. 2 E CKS & 2 A DR ATHEN FOR BIRE | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): Elevation (feet): IE (=SPEOTYTO) CUNICULAR | TS & 1 MAY 2006. 55 40 IA (BURRO) |
| Ecological: HIGHLY DISTURI N ALL DIRECTIC REFUGE. Threats: THREATENED B' General: 5 PAIRS ESTIMA' ADULT, ALONG F PLSS: T02S, RC UTM: Zone-10 County Summary San Joaquin Sources: CRO98F0011 DES97U0001 | ONS. GRC Y RESIDE TED AT R RR TRACI 05E, Sec. N417829 y: CROWE, SITE) 199 DESANT BURROV HENKEL | R TRACKS R TRACKS KS 1 MAR 20 20 (M) 2 E636299 R. (MOORE 98-08-03 E, D. ET AL. VING OWLS , L. (H.T. HAI | TAT; DOMINANT PLANT SPECI RELS DETECTED WITHIN 100 ELOPMENT; PORTIONS OF SIT 1991-1993. 1 ADULT AT BURR 005. 3 BURROWS WITH 2 ADUI Accuracy: Latitude/Longitude Quad Summary: Tracy (3712164) BIOLOGICAL CONSULTANTS (THE INSTITUTE FOR BIRD PC IN CALIFORNIA. 1997-10-13 | M OF BURROWS IN 2006. I TE EXTIRPATED DUE TO DI DW S OF BYRON RD 3 AUG TS EACH ALONG RR TRAC specific area : 37.74178 / -121.45301) - FIELD SURVEY FORM FOR DPULATIONS) - INSTITUTE | RR RIGHT EVELOPM 3 1998. 2 E CKS & 2 A DR ATHEN FOR BIRE | OF WAY LIKELY PROVIDES C ENT BETWEEN 2002-2003. BURROW SITES, WITH 2 ADUL DULTS ON CHURCH LAWN 29 Area (acres): Elevation (feet): IE (=SPEOTYTO) CUNICULAR O POPULATIONS 1991-1993 CE | TS & 1 MAY 2006. 55 40 IA (BURRO) ENSUS OF 2005-03-01 |





| Map Index Number: | 41707 | | EO Index: | | 41707 |
|--|------------------|--|-----------------------|-----------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 336 | | Occurrence Last U | pdated: | 1999-10-05 |
| Scientific Name: A | thene cuniculari | a | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | | SC-Species of Special Concern |
| | State: | S3 | | USFWS_ | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL |
| Last Date Observed: | 1999-09-23 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: | 1999-09-23 | | Occurrence Rank: | Unknow | n |
| Owner/Manager: | PVT | | Trend: | Unknow | n |
| Presence: | Presumed Ext | ant | | | |
| Location: | | | | | |
| JUST SOUTH OF I-205 | 0.4 MILE EAST | T OF THE INTERSECTION OF BY | RON ROAD AND LAMMER | RS FERRY | ROAD, WEST OF TRACY. |
| Detailed Location: | | | | | |
| Ecological: | | | | | |
| HABITAT CONSISTS O | F AN ABANDO | NED OAT (HAY) FIELD; SURRRO | UNDED BY HOUSING DEV | VELOPME | NT. |
| Threats: | | | | | |
| THREATENED BY DIS | KING AROUND | THE BURROW SITE. | | | |
| General: | | | | | |
| | AT THE BURR | OW SITE. | | | |
| 2 ADULTS OBSERVED | | | 80 meters | | Area (acres): 0 |
| | ec. 19 (M) | Accuracy: | | | |
| PLSS: T02S, R05E, S | · · / | Accuracy: Latitude/Longitude: | 37.74965 / -121.46859 | | Elevation (feet): 30 |
| PLSS: T02S, R05E, S UTM: Zone-10 N417 | · · / | • | 37.74965 / -121.46859 | | Elevation (feet): 30 |
| 2 ADULTS OBSERVED PLSS: T02S, R05E, S UTM: Zone-10 N4179 County Summary: San Joaquin | · · / | Latitude/Longitude: | | | Elevation (feet): 30 |





| CNDDB Element Ranks: State: None Other Lists:: BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern General Habitat: Micro Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MONT NOTABLY, THE CALIFORNIA GROUND SQUIR General Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MONT NOTABLY, THE CALIFORNIA GROUND SQUIR GRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION. Micro Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MONT NOTABLY, THE CALIFORNIA GROUND SQUIR MAMMALS, MONT NOTABLY, THE CALIFORNIA GROUND SQUIR Last Date Observed: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Cocurrence Rank: Poor SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: Decreasing 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS FROM THE HIGH SCHOOL FIELDS ACROS 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON | | 51634 | | EO Index: | | 51634 |
|--|--|--|---|--|-----------|--|
| Scientific Name: Athene cunicularia Common Name: burrowing owl Listing Status: Federal: None Rare Plant Rank:: Other Lists: State: None Other Lists: BLM_S-Sensitive CNDDB Element Ranks: Global: G4 DEFW_SSC-Species of Special Concern UCN, LC-Least Concern Scientific Name: State: S3 Micro Habitat: Sufficient Least Concern OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION. Matter Antice Alego Concernence Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Last Survey Date: 2006-05-29 Occurrence Rank: Poor Souther/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Location: South Side Of LowelL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD.' CONCENTRATION OF GROUND SQUIRRELS 'AT | Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 |
| Listing Status: Federal: None State: None CDPW_SSC-Species of Special Concern UCN_LC-Least Concern UCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern General Habitat: State: S3 Micro Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING VEGETATION. MICRO Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING SCRUBLANDS, DESERTS & SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING SCRUBLANDS; MOST NOTABLY, THE CALIFORNIA GROUND SQUIR Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Last Survey Date: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, FIELDS ACROS ROAD.' CONCENTRATION OF GROUND SQUIRRELS 'AT THE BACK NORTH END.'' Threats: THREATENED BY DEVELOPMENT. General: 13 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVLOPED BY 200 ADULTS AND 5 JUVENILES OBSERVED ON 29 MAY 2006. PLSS: T02S, RO5E, Sec. 20 (M) Accuracy: 1/5 mile Area (acres): 0 UTM: Zone-10 N4178881 EG36829 Latitude/Longitude: 37.74700 / -121.44689 Elevation (feet): 30 COUNTS SUMMARY: QUAS SUMMAR | Occurrence Number: | 611 | | Occurrence Last U | pdated: | 2014-01-28 |
| CNDDB Element Ranks: State: None Other Lists:: BLM_S-Sensitive CDFW_SSC-Species of Special Concern UC/LC-Least Concern UC/LC-Least Concern USFWS_BCC-Birds of Conservation Concern General Habitat: micro Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING General Habitat: OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING General Habitat: OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING General: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: Sourcos: State: | Scientific Name: | Athene cunicularia | 9 | Common Name: | burrowing | g owl |
| CNDDB Element Ranks: Global: G4 CDFW.SSC-Species of Special Concern State: S3 USFWS_BCC-Birds of Concern General Habitat: Micro Habitat: USFWS_BCC-Birds of Conservation Concern General Habitat: OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION. SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIR Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presence: Decreasing Presence: Presumed Extant Decreasing Decreasing Presence: Decreasing SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERTILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: S003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD', CONCENTRATION OF GROUND SQUIRRELS "AT THE BACK NORTH END." Threats: Tracy (3712164) Area (acres): 0 19 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200 Apolltrs Zone-10 M4178881 E636829 Latitude/Long | Listing Status: | Federal: | None | Rare Plant Rank: | | |
| CNDDB Element Ranks: Global: G4 IUCN_IC-Leasit Concern ¹ State: S3 USFWS_BCC-Birds of Conservation Concern General Habitat: Micro Habitat: USFWS_BCC-Birds of Conservation Concern OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION. SUBTERRANEAN RESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIR Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Last Date Observed: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2008 URROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2008 UCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRRELS "AT THE BACK NORTH END." Threats: Threats: Threats Threats 13 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200 ADULT'S AND 5 JUVENILES OBSERVED ON 29 MAY | | State: | None | Other Lists: | | |
| State: S3 USFWS_BCC-Birds of Conservation Concern General Habitat: Micro Habitat: Micro Habitat: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SOURD Composition Concerned: 2006-05-29 Occurrence Type: Natural/Native occurrence Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Commer/Manager: UNKNOWN Trend: Decreasing Presence: resumed Extant Decreasing Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. South SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: State: S | CNDDB Element Ranl | ks: Global: | G4 | | _ | |
| OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION. SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIR MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIR MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIR Last Date Observed: Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Last Survey Date: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detaile Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detaile Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detaile Location: South Stoc Colon IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRELS "AT THE BACK NORTH END." Threats: Threats: Threats: The BACK NORTH END." 13 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200 ADULTS | | State: | S3 | | | |
| SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION. MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIR Last Date Observed: 2006-05-29 Occurrence Type: Natural/Native occurrence Last Survey Date: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detaile Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detaile Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detaile Location: Sources: 2003 BURROW SIG OK SCHOP AND DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRELS "AT THE BACK NORTH END." Threats: THREATENED BY DEVELOPMENT. General: ISBURROW SIG OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200AD.) ADUITS AND 5 JUVENILES OBSERVED ON 29 MAY 2006. Istitude/Longitude: 37.74700 / -121.44689 Elevation (feet): 30 PLSS: T02S, R05E, Sec. 20 (M) Accuracy: | General Habitat: | | | Micro Habitat: | | |
| Last Survey Date: 2006-05-29 Occurrence Rank: Poor Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Decreasing Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." Threats: Trate ATTENED BY DEVELOPMENT. Semeral: State Sta | | | | | | |
| Owner/Manager: UNKNOWN Trend: Decreasing Presence: Presumed Extant Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRRELS "AT THE BACK NORTH END." Threats: THREATENED BY DEVELOPMENT. General: 13 BURROWNING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 2006. 0 PLSS: T02S, R05E, Sec. 20 (M) Accuracy: 1/5 mile Area (acres): 0 0 UTM: Zone-10 N4178881 E636829 Latitude/Longitude: 37.74700 / -121.44689 Elevation (feet): 30 County Summary: Quad Summary: Quad Summary: 0 Tracy (3712164) 30 | Last Date Observed: | 2006-05-29 | | Occurrence Type: | Natural/ | Native occurrence |
| Presence: Presumed Extant Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRRELS "AT THE BACK NORTH END." Threats: THREATENED BY DEVELOPMENT. General: 13 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200 ADULTS AND 5 JUVENILES OBSERVED ON 29 MAY 2006. PLSS: T02S, R05E, Sec. 20 (M) Accuracy: 1/5 mile Area (acres): 0 UTM: Zone-10 N4178881 E636829 Latitude/Longitude: 37.74700 / -121.44689 Elevation (feet): 30 County Summary: Quad Summary: Quad Summary: Tracy (3712164) Tracy (3712164) | Last Survey Date: | 2006-05-29 | | Occurrence Rank: | Poor | |
| Location: SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRRELS "AT THE BACK NORTH END." Threats: THREATENED BY DEVELOPMENT. General: 13 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200 ADULTS AND 5 JUVENILES OBSERVED ON 29 MAY 2006. PLSS: T02S, R05E, Sec. 20 (M) Accuracy: 1/5 mile Area (acres): 0 UTM: Zone-10 N4178881 E636829 Latitude/Longitude: 37.74700 / -121.44689 Elevation (feet): 30 County Summary: Quad Summary: San Joaquin Tracy (3712164) Tracy (3712164) Sources: | Owner/Manager: | UNKNOWN | | Trend: | Decreas | sing |
| SOUTH SIDE OF LOWELL BOULEVARD, EAST OF CORRAL HOLLOW ROAD, ACROSS FROM MERRILL F. WEST HIGH SCHOOL, TRACY. Detailed Location: 2003 BURROW SITE WAS LOCATED IN A LARGE VACANT LOT ACROSS FROM THE HIGH SCHOOL. Ecological: 2006 LOCATION HAD DIRT WITH SOME WEEDS, FENCED ON THREE SIDES, AT A "POCKET LOCATION WITH HIGH SCHOOL FIELDS ACROS ROAD." CONCENTRATION OF GROUND SQUIRRELS "AT THE BACK NORTH END." Threats: THREATENED BY DEVELOPMENT. General: 13 BURROWING OWLS OCCUPIED THIS RATHER LARGE COLONY WHEN OBSERVED ON 13 JUN 2003 (EXTIRPATED & DEVELOPED BY 200 ADULTS AND 5 JUVENILES OBSERVED ON 29 MAY 2006. PLSS: T02S, R05E, Sec. 20 (M) Accuracy: 1/5 mile Area (acres): 0 UTM: Zone-10 N4178881 E636829 Latitude/Longitude: 37.74700 / -121.44689 Elevation (feet): 30 County Summary: Quad Summary: San Joaquin Tracy (3712164) Sources: | Presence: | Presumed Exta | ant | | | |
| County Summary: Quad Summary: San Joaquin Tracy (3712164) Sources: Tracy (3712164) | | | D, EAST OF CORRAL HOLLOW I | RUAD, ACROSS FROM MI | ERRILL F. | WEST HIGH SCHOOL, TRACT. |
| San Joaquin Tracy (3712164) Sources: | Detailed Location: 2003 BURROW SITE V Ecological: 2006 LOCATION HAD ROAD." CONCENTRA' Threats: THREATENED BY DEV General: 13 BURROWING OWL ADULTS AND 5 JUVER PLSS: T02S, R05E, S | WAS LOCATED IN DIRT WITH SOM TION OF GROUN VELOPMENT. S OCCUPIED TH NILES OBSERVE Sec. 20 (M) | N A LARGE VACANT LOT ACROS IE WEEDS, FENCED ON THREE ID SQUIRRELS "AT THE BACK N IIS RATHER LARGE COLONY W D ON 29 MAY 2006. Accuracy: | SS FROM THE HIGH SCHO SIDES, AT A "POCKET LC IORTH END." HEN OBSERVED ON 13 JU 1/5 mile | DOL. | WITH HIGH SCHOOL FIELDS ACROSS TH EXTIRPATED & DEVELOPED BY 2007). 7 Area (acres): 0 |
| Sources: | Detailed Location: 2003 BURROW SITE V Ecological: 2006 LOCATION HAD ROAD." CONCENTRA' Threats: THREATENED BY DE' General: 13 BURROWING OWL ADULTS AND 5 JUVER PLSS: T02S, R05E, S | WAS LOCATED IN DIRT WITH SOM TION OF GROUN VELOPMENT. S OCCUPIED TH NILES OBSERVE Sec. 20 (M) | N A LARGE VACANT LOT ACROS IE WEEDS, FENCED ON THREE ID SQUIRRELS "AT THE BACK N IIS RATHER LARGE COLONY W D ON 29 MAY 2006. Accuracy: | SS FROM THE HIGH SCHO SIDES, AT A "POCKET LC IORTH END." HEN OBSERVED ON 13 JU 1/5 mile | DOL. | WITH HIGH SCHOOL FIELDS ACROSS TH EXTIRPATED & DEVELOPED BY 2007). 7 Area (acres): 0 |
| | Detailed Location: 2003 BURROW SITE V Ecological: 2006 LOCATION HAD ROAD." CONCENTRA Threats: THREATENED BY DEV General: 13 BURROWING OWL ADULTS AND 5 JUVE PLSS: T02S, R05E, S UTM: Zone-10 N417 | WAS LOCATED IN DIRT WITH SOM TION OF GROUN VELOPMENT. S OCCUPIED TH NILES OBSERVE Sec. 20 (M) | N A LARGE VACANT LOT ACROS IE WEEDS, FENCED ON THREE ID SQUIRRELS "AT THE BACK N IIS RATHER LARGE COLONY W D ON 29 MAY 2006. Accuracy: Latitude/Longitude: | SS FROM THE HIGH SCHO SIDES, AT A "POCKET LC IORTH END." HEN OBSERVED ON 13 JU 1/5 mile | DOL. | WITH HIGH SCHOOL FIELDS ACROSS TH EXTIRPATED & DEVELOPED BY 2007). 7 Area (acres): 0 |
| OLIO3U0001 OLIVER F - REPORT OF BURROWING OWL BURROW SITE ON THE CENTRAL VALLEY BIRD CLUB LISTSERV 2003-06-13 | Detailed Location: 2003 BURROW SITE V Ecological: 2006 LOCATION HAD ROAD." CONCENTRA' Threats: THREATENED BY DE' General: 13 BURROWING OWL ADULTS AND 5 JUVE! PLSS: T02S, R05E, \$ UTM: Zone-10 N417 County Summary: | WAS LOCATED IN DIRT WITH SOM TION OF GROUN VELOPMENT. S OCCUPIED TH NILES OBSERVE Sec. 20 (M) | N A LARGE VACANT LOT ACROS WE WEEDS, FENCED ON THREE ND SQUIRRELS "AT THE BACK N HIS RATHER LARGE COLONY W D ON 29 MAY 2006. Accuracy: Latitude/Longitude: Quad Summary: | SS FROM THE HIGH SCHO SIDES, AT A "POCKET LC IORTH END." HEN OBSERVED ON 13 JU 1/5 mile | DOL. | WITH HIGH SCHOOL FIELDS ACROSS TH EXTIRPATED & DEVELOPED BY 2007). 7 Area (acres): 0 |
| Selection - Selection and Selection of Selec | Detailed Location: 2003 BURROW SITE V Ecological: 2006 LOCATION HAD ROAD." CONCENTRA' Threats: THREATENED BY DE' General: 13 BURROWING OWL ADULTS AND 5 JUVE! PLSS: T02S, R05E, S UTM: Zone-10 N417 County Summary: San Joaquin Sources: | WAS LOCATED IN DIRT WITH SOM TION OF GROUN VELOPMENT. S OCCUPIED TH NILES OBSERVE Sec. 20 (M) 78881 E636829 | N A LARGE VACANT LOT ACROS WE WEEDS, FENCED ON THREE ND SQUIRRELS "AT THE BACK N IS RATHER LARGE COLONY W D ON 29 MAY 2006. Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | SS FROM THE HIGH SCHO SIDES, AT A "POCKET LC NORTH END." HEN OBSERVED ON 13 JU 1/5 mile 37.74700 / -121.44689 | DOL. | WITH HIGH SCHOOL FIELDS ACROSS TH EXTIRPATED & DEVELOPED BY 2007). 7 Area (acres): 0 Elevation (feet): 30 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Key Quad: | 60018 Tracy (371216 | 84) | EO Index: Element Code: | | 60054 ABNSB10010 | |
|---|---|--|---|---|---|---------|
| Cocurrence Number: | 731 | U+1) | Occurrence Last U | ndated | 2005-02-16 | |
| Occurrence Number. | 751 | | | puateu. | 2003-02-10 | |
| Scientific Name: A | thene cunicularia | a | Common Name: | burrowing | g owl | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | s: Global: | G4 | | CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern | | |
| | State: | S3 | | | | ern |
| General Habitat: | | | Micro Habitat: | | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWIN , THE CALIFORNIA GROUND SC | |
| Last Date Observed: | 2005-02-01 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Osman Data | 2005-02-01 | | Occurrence Rank: | Fair | | |
| Last Survey Date: | 2000 02 01 | | | | | |
| Last Survey Date: Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| - | | ant | Trend: | Unknow | n | |
| Owner/Manager: | UNKNOWN | ant | Trend: | Unknow | n | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN | UNKNOWN Presumed Exta | ant OF LAMMERS FERRY ROAD ANE | | | | |
| Owner/Manager: Presence: Location: | UNKNOWN Presumed Exta | | | | | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BI | UNKNOWN Presumed Exta | | D SCHULTE ROAD, 2 MILE | | | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BU Ecological: | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON | OF LAMMERS FERRY ROAD ANE SISTING OF AT LEAST 2 PAIRS I | D SCHULTE ROAD, 2 MILE N FEB 2005. | ES SW OF | TRACY. | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BU Ecological: HABITAT CONSISTS O | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON | OF LAMMERS FERRY ROAD ANE | D SCHULTE ROAD, 2 MILE N FEB 2005. | ES SW OF | TRACY. | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BI Ecological: HABITAT CONSISTS O Threats: | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON F MOWED NON | OF LAMMERS FERRY ROAD ANE SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; | D SCHULTE ROAD, 2 MILE N FEB 2005. | ES SW OF | TRACY. | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BU Ecological: HABITAT CONSISTS O Threats: SITE PROPOSED FOR | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON F MOWED NON | OF LAMMERS FERRY ROAD ANE SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; | D SCHULTE ROAD, 2 MILE N FEB 2005. | ES SW OF | TRACY. | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BI Ecological: HABITAT CONSISTS O Threats: SITE PROPOSED FOR General: | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON F MOWED NON AQUATIC PARI | OF LAMMERS FERRY ROAD ANE SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; K. | D SCHULTE ROAD, 2 MILE N FEB 2005. | ES SW OF | TRACY. | |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BU Ecological: HABITAT CONSISTS O Threats: SITE PROPOSED FOR General: 3 ADULTS OBSERVED | UNKNOWN Presumed Exta ITERSECTION O JRROWS, CON F MOWED NON AQUATIC PARI AT BURROWS | OF LAMMERS FERRY ROAD ANE SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; K. ON 1 FEB 2005. | D SCHULTE ROAD, 2 MILE IN FEB 2005. MANY GROUND SQUIRR | ES SW OF | TRACY. OWS PRESENT. | 0 |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BI Ecological: HABITAT CONSISTS O Threats: SITE PROPOSED FOR General: 3 ADULTS OBSERVED PLSS: T02S, R05E, S | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON F MOWED NON AQUATIC PARI AT BURROWS ec. 31 (M) | OF LAMMERS FERRY ROAD AND SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; K. ON 1 FEB 2005. Accuracy: | D SCHULTE ROAD, 2 MILE IN FEB 2005. MANY GROUND SQUIRR 80 meters | ES SW OF | TRACY. OWS PRESENT. Area (acres): | 0 |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BU Ecological: HABITAT CONSISTS O Threats: SITE PROPOSED FOR General: 3 ADULTS OBSERVED PLSS: T02S, R05E, S UTM: Zone-10 N4175 | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON F MOWED NON AQUATIC PARI AT BURROWS ec. 31 (M) | OF LAMMERS FERRY ROAD AND SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; K. ON 1 FEB 2005. Accuracy: Latitude/Longitude: | D SCHULTE ROAD, 2 MILE IN FEB 2005. MANY GROUND SQUIRR | ES SW OF | TRACY. OWS PRESENT. Area (acres): | 0 90 |
| Owner/Manager: Presence: Location: 0.6 MILE NE OF THE IN Detailed Location: AT LEAST 3 ACTIVE BI Ecological: HABITAT CONSISTS O Threats: SITE PROPOSED FOR General: 3 ADULTS OBSERVED PLSS: T02S, R05E, S | UNKNOWN Presumed Exta ITERSECTION JRROWS, CON F MOWED NON AQUATIC PARI AT BURROWS ec. 31 (M) | OF LAMMERS FERRY ROAD AND SISTING OF AT LEAST 2 PAIRS I I-NATIVE ANNUAL GRASSLAND; K. ON 1 FEB 2005. Accuracy: | D SCHULTE ROAD, 2 MILE IN FEB 2005. MANY GROUND SQUIRR 80 meters | ES SW OF | TRACY. OWS PRESENT. Area (acres): | |

HEN05F0001 HENKEL, L. (H.T. HARVEY AND ASSOCIATES) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 2005-02-01



California Department of Fish and Wildlife



| Map Index Number: | 6200 | 3 | | EO Index: | | 62039 | | |
|--------------------------------------|-----------|------------|--|-------------------------|--|--------------------------------|-------|--|
| Key Quad: | Verna | alis (3712 | 163) | Element Code: | | ABNSB10010 2005-07-18 | | |
| Occurrence Number: | 741 | | | Occurrence Last U | Ipdated: | | | |
| Scientific Name: | Athene c | unicularia | | Common Name: | burrowing | g owl | | |
| Listing Status: | Fe | ederal: | None | Rare Plant Rank: | | | | |
| | St | ate: | None | Other Lists: | BLM_S-S | | | |
| CNDDB Element Rank | s: Gl | lobal: | G4 | | CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern | | | |
| | St | ate: | S3 | | USFWS_ | _BCC-Birds of Conservation Cor | ncern | |
| General Habitat: | | | Micro Habitat: | | | | | |
| | | | GRASSLANDS, DESERTS & OW-GROWING VEGETATION | | | DEPENDENT UPON BURROW | | |
| Last Date Observed: | 2003-0 | 03-15 | | Occurrence Type: | Natural/ | Native occurrence | | |
| Last Survey Date: | 2003-0 | 03-15 | | Occurrence Rank: | Fair | | | |
| Owner/Manager: | PVT | | | Trend: | Unknow | 'n | | |
| Presence: | Presu | med Exta | nt | | | | | |
| Location: | | | | | | | | |
| JUST EAST OF THE IN | ITERSE | CTION O | F KASSON ROAD AND MANC | USO ROAD, EAST OF BANT | TA. | | | |
| Detailed Location: | | | | | | | | |
| BURROW IS LOCATED | D BETW | EEN THE | ROAD SHOULDER AND THE | ADJACENT AGRICULTURA | AL FIELD. | | | |
| Ecological: | | | | | | | | |
| | OF MIXE | D AGRIC | ULTURE AND RANCHETTES. | | | | | |
| Threats: | | | | | | | | |
| General: | | | | | | | | |
| 1 ADULT OWL OBSER | VED AT | THE BUI | RROW ENTRANCE ON 15 MA | R 2003. | | | | |
| PLSS: T02S, R06E, S | Sec. 20 (| (M) | Accuracy: | 80 meters | | Area (acres): | 0 | |
| | '9261 E6 | \$46024 | Latitude/Longitude | : 37.74901 / -121.34249 | | Elevation (feet): | 20 | |
| UTM: Zone-10 N417 | | | Quad Summary: | | | | | |
| UTM: Zone-10 N417 County Summary: | | | | | | | | |
| | | | Vernalis (3712163) | | | | | |





| | 6362 | 20 | | EO Index: | | 63715 | |
|--|--|---|---|---|-----------|--|--|
| Key Quad: | Trac | y (371216 | 4) | Element Code: | | ABNSB10010 | |
| Occurrence Number: | 764 | | | Occurrence Last U | pdated: | 2014-02-28 | |
| Scientific Name: | Athene o | cunicularia | | Common Name: | burrowing | g owl | |
| Listing Status: | F | ederal: | None | Rare Plant Rank: | | | |
| | S | state: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ran | ks: G | Blobal: | G4 | | | SC-Species of Special Concern C-Least Concern | |
| | S | state: | S3 | | USFWS_ | BCC-Birds of Conservation Concern | |
| General Habitat: | | | | Micro Habitat: | | | |
| | | | GRASSLANDS, DESERTS & OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL | |
| Last Date Observed: | 2005 | -10-18 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 2005 | -10-18 | | Occurrence Rank: | None | | |
| Owner/Manager: | PVT | | | Trend: | Unknow | 'n | |
| Presence: | Poss | ibly Extirpa | ited | | | | |
| Location: | | | | | | | |
| EITHER SIDE OF TRA | CY BLV | /D (JEFFE | RSON RD), ABOUT 0.3 MI N OF | VALPICO RD, ABOUT 1.8 | MI SSW C | DF TRACY PO. | |
| | | | | | | | |
| | | | | | | | |
| Detailed Location: | ED COC | ORDINATE | S. | | | | |
| Detailed Location: MAPPED TO PROVID | ED COC | ORDINATE | S. | | | | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTED ABUNDANCE OF CAL | OF A V | VATER DE | | | | DED BY HIGH-DENSITY HOUSING. AN RE DEVELOPED BY 2006 | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTED | OF A V | VATER DE | ETENTION BASIN AND A SUBUR | | | | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTEE ABUNDANCE OF CAL (GOOGLEEARTH). Threats: |) of a \ Iforni | VATER DE A GROUN | ETENTION BASIN AND A SUBUR | | | | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTEE ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE |) of a \ Iforni | VATER DE A GROUN | ETENTION BASIN AND A SUBUR | | | | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTEE ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: |) of a v Iforni Velopi | VATER DE A GROUN MENT. | ETENTION BASIN AND A SUBUR | OUND IN AREA. OPEN FI | ELDS WE | RE DEVELOPED BY 2006 | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTEE ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: STATEWIDE SURVEY | O OF A V IFORNI VELOPI ČESTIM | VATER DE A GROUN MENT. ATED 1 P/ | ETENTION BASIN AND A SUBUR D SQUIRREL BURROWS WAS F | OUND IN AREA. OPEN FI | ELDS WE | RE DEVELOPED BY 2006 | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTEE ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: STATEWIDE SURVEY PLSS: T02S, R05E, |) OF A V IFORNI VELOPI ÉSTIM Sec. 32 | VATER DE A GROUN MENT. ATED 1 P/ (M) | ETENTION BASIN AND A SUBUR D SQUIRREL BURROWS WAS F AIR IN AREA IN 1991. 2 ADULTS | OUND IN AREA. OPEN FI | ELDS WE | ON 18 OCT 2005. | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTEE ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: STATEWIDE SURVEY PLSS: T02S, R05E, UTM: Zone-10 N413 |) OF A V IFORNI VELOPI ÉSTIM Sec. 32 | VATER DE A GROUN MENT. ATED 1 P/ (M) | ETENTION BASIN AND A SUBUR D SQUIRREL BURROWS WAS F AIR IN AREA IN 1991. 2 ADULTS Accuracy: | OUND IN AREA. OPEN FI OBSERVED AT A BURRC nonspecific area | ELDS WE | RE DEVELOPED BY 2006 DN 18 OCT 2005. Area (acres): 22 | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTED ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: STATEWIDE SURVEY PLSS: T02S, R05E, |) OF A V IFORNI VELOPI ÉSTIM Sec. 32 | VATER DE A GROUN MENT. ATED 1 P/ (M) | ETENTION BASIN AND A SUBUR D SQUIRREL BURROWS WAS F AIR IN AREA IN 1991. 2 ADULTS Accuracy: Latitude/Longitude: | OUND IN AREA. OPEN FI OBSERVED AT A BURRC nonspecific area | ELDS WE | RE DEVELOPED BY 2006 DN 18 OCT 2005. Area (acres): 22 | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTED ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: STATEWIDE SURVEY PLSS: T02S, R05E, UTM: Zone-10 N413 County Summary: |) OF A V IFORNI VELOPI ÉSTIM Sec. 32 | VATER DE A GROUN MENT. ATED 1 P/ (M) | TENTION BASIN AND A SUBUR D SQUIRREL BURROWS WAS F AIR IN AREA IN 1991. 2 ADULTS Accuracy: Latitude/Longitude: Quad Summary: | OUND IN AREA. OPEN FI OBSERVED AT A BURRC nonspecific area | ELDS WE | RE DEVELOPED BY 2006 DN 18 OCT 2005. Area (acres): 22 | |
| Detailed Location: MAPPED TO PROVID Ecological: HABITAT CONSISTED ABUNDANCE OF CAL (GOOGLEEARTH). Threats: THREATENED BY DE General: STATEWIDE SURVEY PLSS: T02S, R05E, UTM: Zone-10 N413 County Summary: San Joaquin Sources: DES97U0001 DES | O OF A V IFORNI VELOPI Sec. 32 75404 E | VATER DE A GROUN MENT. ATED 1 P/ (M) 637581 D. ET AL. (| AIR IN AREA IN 1991. 2 ADULTS Accuracy: Latitude/Longitude: Tracy (3712164) | OUND IN AREA. OPEN FI OBSERVED AT A BURRO nonspecific area 37.71557 / -121.43902 | ELDS WE | RE DEVELOPED BY 2006 DN 18 OCT 2005. Area (acres): 22 | |



California Department of Fish and Wildlife



| Map Index Number: | 71480 | | EO Index: | | 72379 |
|--|-------------------|--|------------------------|-----------|---|
| Key Quad: | Union Island (| 3712174) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 1116 | | Occurrence Last U | pdated: | 2008-06-11 |
| Scientific Name: A | thene cunicularia | Э | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern |
| | State: | S3 | | | _BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | , | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL. |
| Last Date Observed: | 2008-04-23 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2008-04-23 | | Occurrence Rank: | Poor | |
| Owner/Manager: | PVT-PROLOG | IS | Trend: | Unknown | |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| 0.56 MI SW OF THE JU | INCTION OF E | GRANT LINE RD & CHRISMAN RI | D, TRACY. | | |
| Detailed Location: | | | | | |
| BURROWS LOCATED FIELDS. AG FIELDS W | | | G FARM ROAD AND UNDE | R IRRIGA | TION DITCH BORDERING AGRICULTURA |
| Ecological: | | | | | |
| SURROUNDED BY AG | RICULTURAL FI | ELDS, COMMERCIAL LAND AND | D RAILROAD. | | |
| Threats: | | | | | |
| THREATENED BY DEV | ELOPMENT AN | D AGRICULTURE. | | | |
| General: | | | | | |
| 1 PAIR OF ADULTS AN | ID 3 USED BUR | ROWS OBSERVED ON 23 APR 2 | 2008. ASSUMED NATAL BU | JRROWS | WITH ASSOCIATE SATELLITE BURROWS |
| PLSS: T02S, R05E, S | Sec. 22 (M) | Accuracy: | 80 meters | | Area (acres): 0 |
| 1020, RODE, C | 9275 E640333 | Latitude/Longitude: | 37.75003 / -121.40706 | | Elevation (feet): 40 |
| UTM: Zone-10 N417 | | | | | |
| | | Quad Summary: | | | |
| UTM: Zone-10 N417 | | Quad Summary: Tracy (3712164), Unio | n Island (3712174) | | |



California Department of Fish and Wildlife



| Map Index Number: | 71481 | | EO Index: | | 72380 | |
|---|-------------------|--|-----------------------|----------|---|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 | |
| Occurrence Number: | 1117 | | Occurrence Last U | pdated: | 2008-06-11 | |
| Scientific Name: A | thene cunicularia | а | Common Name: | burrowin | g owl | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | Sensitive | |
| CNDDB Element Ranks | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern | |
| | State: | S3 | | | BCC-Birds of Conservation Concern | |
| General Habitat: | | | Micro Habitat: | | | |
| | | GRASSLANDS, DESERTS & _OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING /, THE CALIFORNIA GROUND SQUIRREL | |
| Last Date Observed: | 2008-04-23 | | Occurrence Type: | Natural | Native occurrence | |
| Last Survey Date: | 2008-04-23 | | Occurrence Rank: | Poor | | |
| Owner/Manager: | PVT-PROLOG | IS | Trend: | Unknow | vn | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| WEST OF CHRISMAN I | RD, 0.30 MI S O | F E GRANT LINE RD, TRACY. | | | | |
| Detailed Location: | | | | | | |
| BURROWS LOCATED I FIELDS. AG FIELDS WI | | | G FARM ROAD AND UNDE | R IRRIGA | TION DITCH BORDERING AGRICULTUR | |
| Ecological: | | | | | | |
| SURROUNDED BY AG | RICULTURAL F | IELDS, COMMERCIAL LAND AND | D RAILROAD. | | | |
| Threats: | | | | | | |
| THREATENED BY DEV | ELOPMENT AN | ID AGRICULTURE. | | | | |
| General: | | | | | | |
| | | | | WVS WIIF | ASSOCIATE SATELLITE BURROWS. | |
| PLSS: T02S, R05E, S | () | Accuracy: | 80 meters | | Area (acres): 0 | |
| UTM: Zone-10 N4179 | 9268 E641056 | Latitude/Longitude: | 37.74985 / -121.39886 | | Elevation (feet): 40 | |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164), Unio | n Island (3712174) | | | |
| Sources: | | | | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| • | 71482 | | EO Index: | | 72381 |
|--|--|--|--------------------------|-----------|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 1118 | | Occurrence Last U | pdated: | 2008-06-11 |
| Scientific Name: A | thene cunicularia | 3 | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G4 | | | SC-Species of Special Concern C-Least Concern |
| | State: | S3 | | _ | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | , | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL |
| Last Date Observed: | 2008-04-23 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2008-04-23 | | Occurrence Rank: | Poor | |
| Owner/Manager: | PVT-PROLOGI | IS | Trend: | Unknow | 'n |
| | | | | | |
| Presence: | Presumed Exta | int | | | |
| Presence: Location: | Presumed Exta | int | | | |
| Location: | | NN OF CHRISMAN RD, TRACY. | | | |
| Location: NORTH SIDE OF RR TI | | | | | |
| Location: NORTH SIDE OF RR TI Detailed Location: | RACKS, 0.36 MI | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG I | FARM ROAD AND UNDER | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TI Detailed Location: BURROW LOCATED IN | RACKS, 0.36 MI | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG I | FARM ROAD AND UNDER | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TI Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG I | | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TH Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: SURROUNDED BY AG | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F ED RECENTLY. | | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TI Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE RICULTURAL FI | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F ED RECENTLY. ELDS, COMMERCIAL LAND AND | | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TH Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: SURROUNDED BY AG Threats: | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE RICULTURAL FI | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F ED RECENTLY. ELDS, COMMERCIAL LAND AND | | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TH Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: SURROUNDED BY AG Threats: THREATENED BY DEV General: | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE RICULTURAL FI ELOPMENT ANI | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F ED RECENTLY. ELDS, COMMERCIAL LAND AND | | IRRIGAT | ION DITCH BORDERING AGRICULTURA |
| Location: NORTH SIDE OF RR TH Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: SURROUNDED BY AG Threats: THREATENED BY DEV General: | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE RICULTURAL FI ELOPMENT ANI JSED BURROW | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F D RECENTLY. ELDS, COMMERCIAL LAND AND D AGRICULTURE. | | IRRIGAT | ION DITCH BORDERING AGRICULTURA Area (acres): 0 |
| Location: NORTH SIDE OF RR TH Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: SURROUNDED BY AG Threats: THREATENED BY DEV General: 1 ADULT OWL AND 1 U | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE RICULTURAL FI ELOPMENT ANI ISED BURROW ec. 22 (M) | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F ED RECENTLY. ELDS, COMMERCIAL LAND AND D AGRICULTURE. OBSERVED ON 23 APR 2008. |) RAILROAD. | IRRIGAT | |
| Location: NORTH SIDE OF RR TH Detailed Location: BURROW LOCATED IN FIELDS. AG FIELDS W Ecological: SURROUNDED BY AG Threats: THREATENED BY DEV General: 1 ADULT OWL AND 1 L PLSS: T02S, R05E, S | RACKS, 0.36 MI I OLD GROUND ERE HARVESTE RICULTURAL FI ELOPMENT ANI ISED BURROW ec. 22 (M) | SW OF CHRISMAN RD, TRACY. SQUIRREL BURROWS ALONG F D RECENTLY. ELDS, COMMERCIAL LAND AND D AGRICULTURE. OBSERVED ON 23 APR 2008. Accuracy: | 0 RAILROAD. 80 meters | IRRIGAT | Area (acres): 0 |

STA08F0003 STAGNARO, B. (WRA, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2008-04-23



California Department of Fish and Wildlife



| Map Index Number: | 91309 | | EO Index: | | 92370 |
|--------------------------------|--------------------|---|-----------------------|-----------|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 1892 | | Occurrence Last U | pdated: | 2014-01-28 |
| Scientific Name: | Athene cunicularia | 3 | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | | SC-Species of Special Concern C-Least Concern |
| | State: | S3 | | | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL. |
| Last Date Observed: | 2013-12-05 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 2013-12-05 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | int | | | |
| Location: | | | | | |
| 0.5 MI W OF N CORRA | L HALLOW RD A | AT W SCHULTE RD, TRACY. | | | |
| Detailed Location: | | | | | |
| | | OF MABEL JOSEPHINE [DRIVE LOCATED ON THE E SIDE OF N | | . SCHULT | E ROAD IN TRACY, CA." CENTERED AT |
| Ecological: | | | | | |
| SEVERAL SQUIRRELS | 6 OBSERVED IN | THE EMPTY LOTS. | | | |
| Threats: | | | | | |
| THREATENED BY PRO | DPOSED HOUSI | NG DEVELOPMENT. | | | |
| General: | | | | | |
| 2 BURROWING OWLS LOT. | , EACH FOUND / | AT A BURROW ON 5 DEC 2013; | ONE BURROW WAS UND | ER A UTIL | LITY VAULT AND ANOTHER WAS OUT IN |
| PLSS: T02S, R05E, S | Sec. 30 (M) | Accuracy: | 1/10 mile | | Area (acres): 0 |
| UTM: Zone-10 N417 | 6757 E635588 | Latitude/Longitude: | 37.72805 / -121.46138 | | Elevation (feet): 60 |
| | | Quad Summary: | | | |
| County Summary: | | | | | |
| County Summary: San Joaquin | | Tracy (3712164) | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 91310 | | EO Index: | | 92380 | | |
|---------------------------------------|-------------------|---|-----------------------|-----------|---|-----------|--|
| Key Quad: | Union Island (| (3712174) | Element Code: | | ABNSB10010 | | |
| Occurrence Number: | 1893 | | Occurrence Last U | pdated: | 2014-01-28 | | |
| Scientific Name: A | thene cunicularia | a | Common Name: | burrowin | g owl | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | BLM_S-S | | | |
| CNDDB Element Rank | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern | oncern | |
| | State: | S3 | | USFWS_ | _BCC-Birds of Conservation Co | ncern | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | GRASSLANDS, DESERTS & _OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROW , THE CALIFORNIA GROUND | | |
| Last Date Observed: | 2011-08-25 | | Occurrence Type: | Natural/ | Native occurrence | | |
| Last Survey Date: | 2011-08-25 | | Occurrence Rank: | Fair | | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | | |
| Presence: | Presumed Exta | ant | | | | | |
| Location: | | | | | | | |
| S OF VON SOSTEN RE | 0, 0.25 MI WNW | OF BYRON RD AT I-205, W OF 1 | TRACY. | | | | |
| Detailed Location: | | | | | | | |
| MAPPED TO PROVIDE SOSTEN ROAD." | D MAP FOR BU | IRROW IN UNDEVELOPED LOT | LOCATED "SOUTHWEST (| OF THE IN | ITERSECTION OF BYRON RO | AD AND VC | |
| Ecological: | | | | | | | |
| | | ED THE SPOILS PILES; VEHICLE ES AND FORBS WITH NO TREE | | CEL VISI | BLE ON AERIALS. VEGETATIO | ON ONSITE | |
| Threats: | ATTVE GRASS | LS AND FORDS WITTING TREE | S OK SHROBS. | | | | |
| General: | | | | | | | |
| ONE ADULT BURROW FOR A NEARBY PROJ | | OBSERVED ON THE SPOILS PIL | LE OUTSIDE A BURROW D | URING B | URROWING OWL SURVEYS (| CONDUCTE | |
| PLSS: T02S, R04E, S | ec. 24 (M) | Accuracy: | 80 meters | | Area (acres): | 0 | |
| UTM: Zone-10 N417 | 9166 E633926 | Latitude/Longitude: | 37.75000 / -121.47978 | | Elevation (feet): | 30 | |
| County Summary: | | Quad Summary: | | | | | |
| San Joaquin | | Tracy (3712164), Unic | on Island (3712174) | | | | |
| | | | | | | | |

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California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 91580 | | EO Index: | | 92643 |
|---|-------------------|---|----------------------------|----------|--|
| Key Quad: | Tracy (37121) | 64) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 1896 | | Occurrence Last U | pdated: | 2014-02-13 |
| Scientific Name: | Athene cuniculari | а | Common Name: | burrowin | ng owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | | Sensitive |
| CNDDB Element Ran | ks: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern |
| | State: | S3 | | | _BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & _OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING /, THE CALIFORNIA GROUND SQUIRREL. |
| Last Date Observed: | 2011-07-21 | | Occurrence Type: | Natural | /Native occurrence |
| Last Survey Date: | 2011-07-21 | | Occurrence Rank: | Poor | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | vn |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| W SIDE OF BANTA RI | D, ABOUT 0.4 MI | S OF 11TH ST, 2.5 MI E OF TRA | CY PO. | | |
| Detailed Location: | | | | | |
| MAPPED TO PROVID | ED COORDINAT | ES. BURROW ALONG BERM OF | A CATCHMENT BASIN AL | ONG BAN | NTA ROAD. |
| Ecological: | | | | | |
| | | DEPOT. LAND WAS FALLOW FO TED IN CORN DURING JUN AND | | IELDS WI | ERE TILLED BEFORE EARLY JUN AND |
| Threats: | | | | | |
| POSSIBLY THREATE | NED BY TILLING | AND FLOOD IRRIGATION. | | | |
| General: | | | | | |
| 1 PAIR AND 5 YOUNG IN PREVIOUS YEARS | | E BERM OF A CATCHMENT BAS | SIN ON 21 JUL 2011; MILITA | ARY STAF | FF REPORTED BURROWING OWLS AT SITI |
| PLSS: T02S, R05E, | Sec. 26 (M) | Accuracy: | 80 meters | | Area (acres): 0 |
| UTM: Zone-10 N41 | 77604 E642730 | Latitude/Longitude: | 37.73460 / -121.38018 | | Elevation (feet): 50 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| Sources: | | | | | |

MEN11F0004 MENZEL, S. (ALBION ENVIRONMENTAL, INC.) - FIELD SURVEY FORM FOR ATHENE CUNICULARIA 2011-07-21





| Map Index Number: | 91590 | | EO Index: | | 92653 | |
|---------------------------------------|-------------------|--|-------------------------|-----------|--|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | ABNSB10010 | |
| Occurrence Number: | 1897 | | Occurrence Last U | pdated: | 2014-02-13 | |
| Scientific Name: | Athene cuniculari | а | Common Name: | burrowing | g owl | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranl | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern | |
| | State: | S3 | | USFWS_ | _BCC-Birds of Conservation Concern | |
| General Habitat: | | | Micro Habitat: | | | |
| | | GRASSLANDS, DESERTS & LOW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL | |
| Last Date Observed: | 2006-05-29 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 2006-05-29 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n | |
| Presence: | Presumed Ext | ant | | | | |
| Location: | | | | | | |
| ALONG SOUTHERN P | ACIFIC RAILRO | AD, ABOUT 0.8 MI ENE OF LAM | MERS RD, 2.5 MI SW OF T | RACY PO | ST OFFICE. | |
| Detailed Location: | | | | | | |
| BLOCK CODE 4175-63 | 35 - LOCATION (| CODE I. MAPPED TO PROVIDED | O COORDINATES. | | | |
| Ecological: | | | | | | |
| LOWLAND ELEVATIO BREEDING LOCATION | | RAILROAD BANK WITH A STRI | P OF WEED/BRUSH. GROU | JND SQUII | RRELS DETECTED WITHIN 100 M OF | |
| Threats: | | | | | | |
| THREATENED BY DE | VELOPMENT DE | STROYING SUITABLE HABITA | Г. | | | |
| General: | | | | | | |
| 2 ADULTS OBSERVE | D (1 ESTIMATED | PAIR) ON 29 MAY 2006. | | | | |
| PLSS: T02S, R05E, | Sec. 31 (M) | Accuracy: | 80 meters | | Area (acres): 0 | |
| | 75796 E635480 | Latitude/Longitude: | 37.71941 / -121.46277 | | Elevation (feet): 80 | |
| UTM: Zone-10 N417 | | Qued Summersu | | | | |
| UTM: Zone-10 N417 County Summary: | | Quad Summary: | | | | |
| | | Tracy (3712164) | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 91591 | | EO Index: | | 92658 |
|--|-------------------|--|-----------------------|-----------|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 |
| Occurrence Number: | 1899 | | Occurrence Last U | pdated: | 2014-02-14 |
| Scientific Name: A | thene cunicularia | a | Common Name: | burrowing | g owl |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern |
| | State: | S3 | | USFWS_ | BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL |
| Last Date Observed: | 1993-XX-XX | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1993-XX-XX | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| GENERAL AREA OF M | ACARTHUR DR | AT SOUTHERN PACIFIC RR, 0.7 | 7 MI SE OF TRACY PO. | | |
| Detailed Location: | | | | | |
| BLOCK CODE 4175-63 | 5. MAPPED TO | ENCOMPASS PROVIDED COOR | DINATES UNDER NAD27 | AND NAD | 83 DATUM. |
| Ecological: | | | | | |
| Threats: | | | | | |
| | ELOPMENT DE | STROYING SUITABLE HABITAT. | | | |
| General: | | | | | |
| | ESTIMATED 1 F | PAIR IN AREA IN 1993. | | | |
| STATEWIDE SURVEY | | Accuracy: | 1/5 mile | | Area (acres): 0 |
| STATEWIDE SURVEY | Sec. 28 (M) | ,,, . | | | |
| PLSS: T02S, R05E, S | · · / | Latitude/Longitude: | 37.73580 / -121.41659 | | Elevation (feet): 60 |
| PLSS: T02S, R05E, S | · · / | • | 37.73580 / -121.41659 | | Elevation (feet): 60 |
| PLSS: T02S, R05E, S UTM: Zone-10 N417 | · · / | Latitude/Longitude: | 37.73580 / -121.41659 | | Elevation (feet): 60 |



California Natural Diversity Database



| Map Index Number: | 91592 | | EO Index: | | 92661 | | |
|--|-------------------|--|---|-----------|--|--|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABNSB10010 | | |
| Occurrence Number: | 1900 | | Occurrence Last U | pdated: | 2014-02-14 | | |
| Scientific Name: | thene cunicularia | 3 | Common Name: | burrowing | g owl | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | BLM_S-S | | | |
| CNDDB Element Rank | s: Global: | G4 | | | SSC-Species of Special Concern C-Least Concern | | |
| | State: | S3 | | | BCC-Birds of Conservation Concern | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | GRASSLANDS, DESERTS & .OW-GROWING VEGETATION. | | | DEPENDENT UPON BURROWING , THE CALIFORNIA GROUND SQUIRREL | | |
| Last Date Observed: | 1993-XX-XX | | Occurrence Type: | Natural/ | Native occurrence | | |
| Last Survey Date: | 1993-XX-XX | | Occurrence Rank: | Poor | | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | | |
| Presence: | Presumed Exta | int | | | | | |
| Location: | | | | | | | |
| GENERAL AREA W OF | MACARTHUR | OR BETWEEN 11TH ST AND GR | ANT LINE RD, 0.75 MI NE | OF TRACY | Y PO. | | |
| Detailed Location: | | | | | | | |
| BLOCK CODE 4175-63 | 5. MAPPED TO | GENERALLY ENCOMPASS PRO | VIDED COORDINATES UN | NDER NAD | 027 AND NAD83 DATUM. | | |
| Ecological: | | | | | | | |
| DEVELOPMENT HAS F | REDUCED THE / | AVAILABILITY OF SUITABLE HAE | BITAT OVER TIME PER 19 | 93-2012 A | ERIAL IMAGES (GOOGLEEARTH). | | |
| Threats: | | | | | | | |
| THREATENED BY DE | /ELOPMENT DE | STROYING SUITABLE HABITAT. | | | | | |
| | | | | | | | |
| General: | | AIR IN AREA IN 1991 AND 3 PAI | RS IN 1993. | | | | |
| | ESTIMATED 1 P | | | | | | |
| | - | Accuracy: | nonspecific area | | Area (acres): 117 | | |
| STATEWIDE SURVEY PLSS: T02S, R05E, S | Sec. 22 (M) | Accuracy: Latitude/Longitude: | nonspecific area 37.74588 / -121.41545 | | Area (acres): 117 Elevation (feet): 40 | | |
| STATEWIDE SURVEY PLSS: T02S, R05E, S | Sec. 22 (M) | • | • | | () | | |
| STATEWIDE SURVEY PLSS: T02S, R05E, S UTM: Zone-10 N417 | Sec. 22 (M) | Latitude/Longitude: | • | | () | | |

BURROWING OWLS IN CALIFORNIA. 1997-10-13



California Department of Fish and Wildlife



| yo (3712153) ohila alpestris actia Federal: None State: None Global: G5T3Q State: S3 LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | Oc Co Ra Ot SAN DIEGO CO. FOOTHILLS. | | pdated: 1996-(California horned CDFW_WL-Watc IUCN_LC-Least (AIRIE, "BALD" HIL | lark h List Concern | |
|---|--|---|--|---|--|
| Federal: None State: None Global: G5T3Q State: S3 LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | Co Ra Ot SAN DIEGO CO. SFOOTHILLS. CC | ommon Name: are Plant Rank: ther Lists: icro Habitat: HORT-GRASS PRA | California horned CDFW_WL-Watc IUCN_LC-Least (| lark h List Concern | |
| Federal: None State: None Global: G5T3Q State: S3 LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | Ra Ot SAN DIEGO CO. SH D FOOTHILLS. CC | are Plant Rank: ther Lists: icro Habitat: HORT-GRASS PR | CDFW_WL-Watc IUCN_LC-Least (AIRIE, "BALD" HIL | h List Concern | |
| State: None Global: G5T3Q State: S3 LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | Ot Mi SAN DIEGO CO. SH D FOOTHILLS. CC | ther Lists: icro Habitat: HORT-GRASS PR | IUCN_LC-Least (AIRIE, "BALD" HIL | Concern | |
| Global: G5T3Q State: S3 LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | Mi SAN DIEGO CO. SH D FOOTHILLS. CO | icro Habitat: HORT-GRASS PR | IUCN_LC-Least (AIRIE, "BALD" HIL | Concern | |
| State: S3 LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | SAN DIEGO CO. SH FOOTHILLS. CO | HORT-GRASS PR | AIRIE, "BALD" HIL | | |
| LY FROM SONOMA CO. TO S OAQUIN VALLEY & EAST TO | SAN DIEGO CO. SH FOOTHILLS. CO | HORT-GRASS PR | | | |
| OAQUIN VALLEY & EAST TO | SAN DIEGO CO. SH FOOTHILLS. CO | HORT-GRASS PR | | | |
| OAQUIN VALLEY & EAST TO | FOOTHILLS. CC | | | | |
| 3-04-19 | | | FALLOW GRAIN | FIELDS, ALKALI FLATS | |
| | Oc | ccurrence Type: | Natural/Native o | ccurrence | |
| 3-04-19 | Oc | ccurrence Rank: | : Unknown | | |
| NOWN | Tre | end: | Unknown | | |
| sumed Extant | | | | | |
| | | | | | |
| 5; APPROX. 3.5 KM SOUTH | EAST OF I-5/I-580 JUN | CTION, NEAR MA | ARTIN CREEK. | | |
| | | | | | |
| LEPOSTS 340 AND 343 ALO | NG EXISTING GAS PIP | PELINE. | | | |
| | | | | | |
| RASSLAND. | | | | | |
| | | | | | |
| JETURAL ACTIVITIES. | | | | | |
| | | | | | |
| | | | | | |
| | - | | | · · · · | 0 |
| =649623 Latitude | #/Longitude: 37.5687 | 77/-121.30575 | | Elevation (feet): | 350 |
| County Summary: Quad Summary: | | | | | |
| Solyo (3 | 712153) | | | | |
| | NOWN umed Extant 5; APPROX. 3.5 KM SOUTH LEPOSTS 340 AND 343 ALO RASSLAND. JLTURAL ACTIVITIES. ERVED NESTING BY A. FLAN (M) Accurat E649623 Latitude Quad S Solyo (3 | NOWN Tr umed Extant 5; APPROX. 3.5 KM SOUTHEAST OF I-5/I-580 JUN LEPOSTS 340 AND 343 ALONG EXISTING GAS PIF RASSLAND. JLTURAL ACTIVITIES. ERVED NESTING BY A. FLANNERY. (M) Accuracy: 1/5 mile E649623 Latitude/Longitude: 37.568 Quad Summary: Solyo (3712153) | NOWN Trend: umed Extant 5; APPROX. 3.5 KM SOUTHEAST OF I-5/I-580 JUNCTION, NEAR MA LEPOSTS 340 AND 343 ALONG EXISTING GAS PIPELINE. RASSLAND. JLTURAL ACTIVITIES. ERVED NESTING BY A. FLANNERY. (M) Accuracy: 1/5 mile E649623 Latitude/Longitude: 37.56877 / -121.30575 Quad Summary: Solyo (3712153) | ANOWN Trend: Unknown umed Extant 5; APPROX. 3.5 KM SOUTHEAST OF I-5/I-580 JUNCTION, NEAR MARTIN CREEK. LEPOSTS 340 AND 343 ALONG EXISTING GAS PIPELINE. SRASSLAND. JLTURAL ACTIVITIES. ERVED NESTING BY A. FLANNERY. (M) Accuracy: 1/5 mile E649623 Latitude/Longitude: 37.56877 / -121.30575 Quad Summary: Solyo (3712153) | NOWN Trend: Unknown umed Extant 5; APPROX. 3.5 KM SOUTHEAST OF I-5/I-580 JUNCTION, NEAR MARTIN CREEK. LEPOSTS 340 AND 343 ALONG EXISTING GAS PIPELINE. RASSLAND. JLTURAL ACTIVITIES. ERVED NESTING BY A. FLANNERY. (M) Accuracy: 1/5 mile Area (acres): Ed49623 Latitude/Longitude: 37.56877 / -121.30575 Elevation (feet): Quad Summary: |



California Department of Fish and Wildlife



| Map Index Number: | 34872 | | EO Index: | 18702 |
|---------------------|-----------------|---|--------------------------|---|
| Key Quad: | Solyo (37121 | 53) | Element Code: | ABPAT02011 |
| Occurrence Number: | 17 | | Occurrence Last U | pdated: 1996-07-31 |
| Scientific Name: E | remophila alpes | tris actia | Common Name: | California horned lark |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | CDFW_WL-Watch List |
| CNDDB Element Ranks | s: Global: | G5T3Q | | IUCN_LC-Least Concern |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| | | SONOMA CO. TO SAN DIEGO (/ALLEY & EAST TO FOOTHILLS | | AIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OP FALLOW GRAIN FIELDS, ALKALI FLATS. |
| Last Date Observed: | 1993-04-19 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1993-04-19 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| ADJACENT TO INTERS | STATE 5; 1.7 KM | I WSW OF HAMILTON ROAD X I | DELTA-MENDOTA CANAL. | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| SEVERAL SIGHTINGS | OF LARKS, PRI | ESUMED NESTING, IN NE 1/4 O | F NW 1/4 AND SW 1/4 OF N | NE 1/4 OF SECTION 27. |
| PLSS: T04S, R06E, S | ec. 27 (M) | Accuracy: | 1/5 mile | Area (acres): 0 |
| UTM: Zone-10 N4158 | 3564 E650376 | Latitude/Longitude: | 37.56184 / -121.29738 | Elevation (feet): 360 |
| County Summary: | | Quad Summary: | | |
| Stanislaus | | Solyo (3712153) | | |
| | | | | |



California Department of Fish and Wildlife



| | 34880 | | EO Index: | | 17347 | |
|---|--|---|------------------------|------------|--|----------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABPAT02011 | |
| Occurrence Number: | 22 | | Occurrence Last U | pdated: | 1997-03-26 | |
| Scientific Name: E | remophila alpest | ris actia | Common Name: | California | horned lark | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | L-Watch List | |
| CNDDB Element Ranks | s: Global: | G5T3Q | | IUCN_LC | -Least Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| COASTAL REGIONS, C ALSO MAIN PART OF S | CHIEFLY FROM SAN JOAQUIN V | SONOMA CO. TO SAN DIEGO C ALLEY & EAST TO FOOTHILLS. | | | LD" HILLS, MOUNTAIN MEAD GRAIN FIELDS, ALKALI FLATS | |
| Last Date Observed: | 1993-04-08 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: | 1993-04-08 | | Occurrence Rank: | Unknowr | 1 | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknowr | 1 | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| | UCT AND DELT | A-MENDOTA CANAL; 2.1 KM NN | W OF I-580/HWY 132 JUN | CTION; SO | UTH OF TRACY. | |
| BETWEEN CA AQUED | | | | | | |
| | | | | | | |
| Detailed Location: | | ELINE AT MILEPOST 331.6. | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: | STING GAS PIPI | | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O | STING GAS PIPI | | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: | STING GAS PIPI DF AGRICULTUR | | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG | STING GAS PIPI DF AGRICULTUR | | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: | STING GAS PIPI OF AGRICULTUR GRICULTURE. | AL LAND. | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: OBSERVED 1 ADULT S | STING GAS PIPI F AGRICULTUR GRICULTURE. STANDING ON E | AL LAND. BANK OF DELTA-MENDOTA CAN | | | | |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: OBSERVED 1 ADULT S PLSS: T03S, R05E, S | STING GAS PIPI OF AGRICULTUR GRICULTURE. STANDING ON E Sec. 22 (M) | AL LAND. BANK OF DELTA-MENDOTA CAN Accuracy: | 80 meters | | Area (acres): | 0 |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: OBSERVED 1 ADULT S PLSS: T03S, R05E, S | STING GAS PIPI OF AGRICULTUR GRICULTURE. STANDING ON E Sec. 22 (M) | AL LAND. BANK OF DELTA-MENDOTA CAN | | | Area (acres): Elevation (feet): | 0 195 |
| Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: OBSERVED 1 ADULT S PLSS: T03S, R05E, S | STING GAS PIPI OF AGRICULTUR GRICULTURE. STANDING ON E Sec. 22 (M) | AL LAND. BANK OF DELTA-MENDOTA CAN Accuracy: | 80 meters | | | - |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 34879 | | EO Index: | | 15661 | | |
|--|--|---|--|----------------|----------------|---------------|----------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABPAT0201 | 11 | |
| Occurrence Number: | 23 | | Occurrence Last U | pdated: | 1996-07-31 | | |
| Scientific Name: E | remophila alpes | tris actia | Common Name: | California | horned lark | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | _ | L-Watch List | | |
| CNDDB Element Ranks | s: Global: | G5T3Q | | IUCN_LC | -Least Conce | rn | |
| | State: | S3 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | SONOMA CO. TO SAN DIEGO CO /ALLEY & EAST TO FOOTHILLS. | D. SHORT-GRASS PR COASTAL PLAINS, | , | , | | , |
| Last Date Observed: | 1993-04-21 | | Occurrence Type: | Natural/I | Native occurre | ence | |
| | | | | E a ta | | | |
| Last Survey Date: | 1993-04-21 | | Occurrence Rank: | Fair | | | |
| Last Survey Date: Owner/Manager: | 1993-04-21 UNKNOWN | | Occurrence Rank: Trend: | Fair Unknow | n | | |
| - | | ant | | | n | | |
| Owner/Manager: | UNKNOWN | ant | | | n | | |
| Owner/Manager: Presence: Location: | UNKNOWN Presumed Exta | ant . CANAL; 0.6 KM SSW OF DURHA | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: | UNKNOWN Presumed Exta | | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: | UNKNOWN Presumed Exta | | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: | UNKNOWN Presumed Exta | CANAL; 0.6 KM SSW OF DURHA | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: | UNKNOWN Presumed Exta LTA-MENDOTA | CANAL; 0.6 KM SSW OF DURHA | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE | CANAL; 0.6 KM SSW OF DURHA | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: A | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE | CANAL; 0.6 KM SSW OF DURHA | Trend: | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE GRICULTURE. | CANAL; 0.6 KM SSW OF DURHA ELINE AT MILEPOST 331.5. GRASSLAND AND AGRICULTUR | Trend: AM FERRY ROAD X MACA | Unknow | | HOF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE GRICULTURE. | CANAL; 0.6 KM SSW OF DURHA | Trend: AM FERRY ROAD X MACA | Unknow | | I OF TRACY. | |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE GRICULTURE. CALLING ALONG | CANAL; 0.6 KM SSW OF DURHA ELINE AT MILEPOST 331.5. GRASSLAND AND AGRICULTUR | Trend: AM FERRY ROAD X MACA | Unknow | RIVE; SOUTH | H OF TRACY. | 0 |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: APPROX. 50 ADULTS O | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE GRICULTURE. CALLING ALONG ec. 21 (M) | CANAL; 0.6 KM SSW OF DURHA ELINE AT MILEPOST 331.5. GRASSLAND AND AGRICULTUR G SCATTERED LOCATIONS ALO | Trend: MM FERRY ROAD X MACA RE. NG PIPELINE CORRIDOR | Unknow | RIVE; SOUTH | | 0 180 |
| Owner/Manager: Presence: Location: ON EAST BANK OF DE Detailed Location: LOCATED ALONG EXIS Ecological: HABITAT CONSISTS O Threats: POSSIBLE THREAT: AG General: APPROX. 50 ADULTS O PLSS: T03S, R05E, S | UNKNOWN Presumed Exta LTA-MENDOTA STING GAS PIP F NON-NATIVE GRICULTURE. CALLING ALONG ec. 21 (M) | CANAL; 0.6 KM SSW OF DURHA ELINE AT MILEPOST 331.5. GRASSLAND AND AGRICULTUR G SCATTERED LOCATIONS ALO Accuracy: | Trend: M FERRY ROAD X MACA RE. NG PIPELINE CORRIDOR 1/5 mile | Unknow | RIVE; SOUTH | Area (acres): | |

VAN93F0009 VANHERWEG, B. (BIOSYSTEMS ANALYSIS, INC.) - FIELD SURVEY FORM FOR EREMOPHILA ALPESTRIS ACTIA 1993-04-21



California Department of Fish and Wildlife



| Map Index Number: | 34878 | | EO Index: | | 17348 | |
|--|-------------------------------|--|--------------------------------------|------------|---|-----|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABPAT02011 | |
| Occurrence Number: | 24 | | Occurrence Last U | pdated: | 1996-07-31 | |
| Scientific Name: E | remophila alpesi | tris actia | Common Name: | California | horned lark | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | /L-Watch List | |
| CNDDB Element Ranks | s: Global: | G5T3Q | | IUCN_LC | -Least Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| COASTAL REGIONS, C ALSO MAIN PART OF \$ | CHIEFLY FROM SAN JOAQUIN V | SONOMA CO. TO SAN DIEGO C /ALLEY & EAST TO FOOTHILLS. | O. SHORT-GRASS PR COASTAL PLAINS, | | LD" HILLS, MOUNTAIN MEAE GRAIN FIELDS, ALKALI FLAT | |
| Last Date Observed: | 1993-04-08 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1993-04-08 | | Occurrence Rank: | Unknowr | า | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknowr | า | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| ON WEST BANK OF DE | ELTA-MENDOTA | A CANAL; IMMEDIATELY SOUTH | WEST OF TRACY MUNICI | IPAL AIRPO | ORT; SOUTH OF TRACY. | |
| Detailed Location: | | | | | | |
| LOCATED ON EXISTIN | G GAS PIPELIN | IE CORRIDOR AT MILEPOST 328 | 8.8. | | | |
| Ecological: | | | | | | |
| HABITAT CONSISTS O | FAGRICULTUR | RAL LAND. | | | | |
| Threats: | | | | | | |
| POSSIBLE THREAT: A | GRICULTURE. | | | | | |
| General: | | | | | | |
| | | I GROUND APPROX. 600 FEET E | | | | |
| PLSS: T03S, R05E, S | . , | Accuracy: | 80 meters | | Area (acres): | 0 |
| UTM: Zone-10 N417 | 1835 E637045 | Latitude/Longitude: | 37.68350 / -121.44578 | | Elevation (feet): | 210 |
| | | Quad Summary: | | | | |
| County Summary: | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 34881 | | EO Index: | 18731 | |
|---------------------|-----------------|--|-----------------------|--|-------|
| Key Quad: | Vernalis (371) | 2163) | Element Code: | ABPAT02011 | |
| Occurrence Number: | 25 | | Occurrence Last U | pdated: 1996-08-01 | |
| Scientific Name: E | remophila alpes | tris actia | Common Name: | California horned lark | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | CDFW_WL-Watch List | |
| CNDDB Element Rank | s: Global: | G5T3Q | | IUCN_LC-Least Concern | |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| | | SONOMA CO. TO SAN DIEGO C /ALLEY & EAST TO FOOTHILLS. | | AIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, FALLOW GRAIN FIELDS, ALKALI FLATS. | , OPE |
| Last Date Observed: | 1993-04-20 | | Occurrence Type: | Natural/Native occurrence | |
| Last Survey Date: | 1993-04-20 | | Occurrence Rank: | Unknown | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| WEST OF VERNALIS; 2 | 2.9 KM WSW OF | F I-5 X HWY 132; BETWEEN CA A | QUEDUCT AND HETCH H | IETCHY AQUEDUCT. | |
| Detailed Location: | | | | | |
| LOCATED APPROX. 40 | 00 FEET FROM | EXISTING GAS PIPELINE AT MIL | EPOST 334.25. | | |
| Ecological: | | | | | |
| GRAZED, NON-NATIVE | E GRASSLAND. | | | | |
| Threats: | | | | | |
| POSSIBLE THREAT: A | GRICULTURAL | ACTIVITIES. | | | |
| | | | | | |
| | | EST AND SEVERAL INDIVIDUALS | WERE FLUSHED WITHIN | N 500 FEET EAST AND WEST OF PIPELINE. | |
| PLSS: T03S, R05E, S | · · / | Accuracy: | 80 meters | Area (acres): 0 | |
| | 5775 E643575 | Latitude/Longitude: | 37.62789 / -121.37293 | Elevation (feet): 265 | |
| UTM: Zone-10 N416 | | Quad Summary: | | | |
| County Summary: | | | | | |
| | | Vernalis (3712163) | | | |



California Department of Fish and Wildlife



| Map Index Number: | 34884 | | EO Index: | 14 | 4041 | |
|---------------------|-----------------|--|-----------------------|---------------|---|-----|
| Key Quad: | Tracy (37121) | 64) | Element Code: | A | BPAT02011 | |
| Occurrence Number: | 27 | | Occurrence Last U | pdated: 19 | 996-08-01 | |
| Scientific Name: E | remophila alpes | tris actia | Common Name: | California ho | rned lark | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | CDFW_WL-W | | |
| CNDDB Element Rank | s: Global: | G5T3Q | | IUCN_LC-Le | ast Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | SONOMA CO. TO SAN DIEGO C /ALLEY & EAST TO FOOTHILLS. | | | " HILLS, MOUNTAIN MEAE AIN FIELDS, ALKALI FLAT | |
| Last Date Observed: | 1993-04-08 | | Occurrence Type: | Natural/Nati | ve occurrence | |
| Last Survey Date: | 1993-04-08 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| SOUTH OF TRACY; 1.4 | KM NNW OF H | IWY 132 X CHRISMAN ROAD; BE | TWEEN CA AQUEDUCT A | ND DELTA-M | ENDOTA CANAL. | |
| Detailed Location: | | | | | | |
| LOCATED ALONG EXIS | STING GAS PIP | ELINE AT MILEPOST 332.5. | | | | |
| Ecological: | | | | | | |
| HABITAT CONSISTS O | F AGRICULTUF | RAL AND RUDERAL LAND. | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| 1 ADULT OBSERVED F | ROOSTING ON | FENCE NEXT TO PASTURE. | | | | |
| PLSS: T03S, R05E, S | ec. 27 (M) | Accuracy: | 80 meters | | Area (acres): | 0 |
| UTM: Zone-10 N4168 | 8240 E640863 | Latitude/Longitude: | 37.65052 / -121.40318 | | Elevation (feet): | 215 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| Sources: | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 34883 | | EO Index: | | 18670 | |
|---------------------|-----------------|--|-----------------------|------------|--|-----|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | ABPAT02011 | |
| Occurrence Number: | 28 | | Occurrence Last U | pdated: | 1996-08-01 | |
| Scientific Name: E | remophila alpes | tris actia | Common Name: | California | horned lark | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | _ | L-Watch List | |
| CNDDB Element Rank | s: Global: | G5T3Q | | IUCN_LC- | Least Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | SONOMA CO. TO SAN DIEGO C VALLEY & EAST TO FOOTHILLS. | | | LD" HILLS, MOUNTAIN MEA GRAIN FIELDS, ALKALI FLAT | |
| Last Date Observed: | 1993-03-31 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: | 1993-03-31 | | Occurrence Rank: | Unknown | 1 | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | 1 | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| SOUTH OF TRACY; NO | ORTHEAST COP | RNER OF HWY 132 X CHRISMAN | ROAD. | | | |
| Detailed Location: | | | | | | |
| LOCATED ALONG EXIS | STING GAS PIP | ELINE AT MILEPOST 333.5. | | | | |
| Ecological: | | | | | | |
| HABITAT CONSISTS O | F NON-NATIVE | GRASSLAND. | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| 4 ADULTS OBSERVED | ROOSTING. | | | | | |
| PLSS: T03S, R05E, S | ec. 26 (M) | Accuracy: | 80 meters | | Area (acres): | 0 |
| UTM: Zone-10 N416 | 6972 E641414 | Latitude/Longitude: | 37.63901 / -121.39719 | | Elevation (feet): | 270 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| Sources: | | | | | | |





| | 91766 | | EO Index: | 92863 |
|--|--|---|---|---|
| Map Index Number: Key Quad: | Tracy (371216 | 64) | Element Code: | ABPBW01114 |
| Occurrence Number: | 531 | - ') | Occurrence Last U | - |
| Scientific Name: | Vireo bellii pusillus | S | Common Name: | least Bell's vireo |
| | Federal: | | Rare Plant Rank: | |
| Listing Status: | | Endangered Endangered | Other Lists: | IUCN NT-Near Threatened |
| CNDDB Element Rank | State: (s: Global: | G5T2 | Other Lists: | NABCI_YWL-Yellow Watch List |
| | State: | S2 | | |
| | State: | 52 | | |
| General Habitat: | | | Micro Habitat: | |
| | | CALIFORNIA IN LOW RIPARIAN I R BOTTOMS; BELOW 2000 FT. | | ONG MARGINS OF BUSHES OR ON TWIGS PATHWAYS, USUALLY WILLOW, BACCHARIS, |
| Last Date Observed: | 1932-06-13 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1932-06-13 | | Occurrence Rank: | Unknown |
| Owner/Manager: | PVT, DFG | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| | | | | |
| | ROCK AND BLA | CK BUTTE (ELK RAVINE) IN COF | RRAL HOLLOW, ABOUT 2 | MI ENE OF CARNEGIE & 7.5 MI SSW OF TRACY. |
| VICINITY OF CASTLE | ROCK AND BLA | CK BUTTE (ELK RAVINE) IN COF | RRAL HOLLOW, ABOUT 2 | MI ENE OF CARNEGIE & 7.5 MI SSW OF TRACY. |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS | TED IN CORRAL | HOLLOW THOUGH EXACT LOC | ATION IS UNKNOWN. NOT | MI ENE OF CARNEGIE & 7.5 MI SSW OF TRACY. TES STATED "ON THE LARGE ROCK JUST ABC DN" MAPPED TO RIPARIAN AREA NEAR CASTI |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. | TED IN CORRAL | HOLLOW THOUGH EXACT LOC | ATION IS UNKNOWN. NOT | TES STATED "ON THE LARGE ROCK JUST ABO |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF | TED IN CORRAL WERE SEEN TH RVED ABOVE TH | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OB IE LARGE ROCK WHERE THE VI | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED | TES STATED "ON THE LARGE ROCK JUST ABO |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." | TED IN CORRAL WERE SEEN TH RVED ABOVE TH | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OB IE LARGE ROCK WHERE THE VI | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." | TED IN CORRAL WERE SEEN TH RVED ABOVE TH | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OB IE LARGE ROCK WHERE THE VI | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." Threats: General: AFTER BEING TIPPEE | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S D-OFF BY BRYAN | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF IE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALL BIRDING AREA." Threats: General: AFTER BEING TIPPEE IN JUN 1932 TO CORF | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S OW AND LARK S O-OFF BY BRYAN RAL HOLLOW AF | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF IE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI /ENS. "CORRALL HOLLOW IS A WONDERFUL |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." Threats: General: AFTER BEING TIPPEE IN JUN 1932 TO CORF PLSS: T03S, R04E, S | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S OW AND LARK S O-OFF BY BRYAN RAL HOLLOW AF | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF IE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL TER BIRDING MANTECA & FOU | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV NOLLOW IN MAY, BOLAN | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI /ENS. "CORRALL HOLLOW IS A WONDERFUL NDER LED THE OAKLAND ORNITHOLOGICAL CL TH BEGGING JUVENILES (1 COLLECTED FOR ID |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: DTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." Threats: General: AFTER BEING TIPPEE N JUN 1932 TO CORF PLSS: T03S, R04E, S UTM: Zone-10 N416 | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S D-OFF BY BRYAN RAL HOLLOW AF Sec. 25 (M) | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF HE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL FTER BIRDING MANTECA & FOUR Accuracy: | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV HOLLOW IN MAY, BOLAN ND A FAMILY GROUP WIT nonspecific area | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI /ENS. "CORRALL HOLLOW IS A WONDERFUL NDER LED THE OAKLAND ORNITHOLOGICAL CL TH BEGGING JUVENILES (1 COLLECTED FOR ID Area (acres): 231 |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." Threats: General: AFTER BEING TIPPEE IN JUN 1932 TO CORF PLSS: T03S, R04E, S UTM: Zone-10 N416 County Summary: | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S D-OFF BY BRYAN RAL HOLLOW AF Sec. 25 (M) | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF IE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL TER BIRDING MANTECA & FOU Accuracy: Latitude/Longitude: | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV HOLLOW IN MAY, BOLAN ND A FAMILY GROUP WIT nonspecific area | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI /ENS. "CORRALL HOLLOW IS A WONDERFUL NDER LED THE OAKLAND ORNITHOLOGICAL CL TH BEGGING JUVENILES (1 COLLECTED FOR ID Area (acres): 231 |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." Threats: General: AFTER BEING TIPPEE IN JUN 1932 TO CORF PLSS: T03S, R04E, S | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S D-OFF BY BRYAN RAL HOLLOW AF Sec. 25 (M) | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF HE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL FTER BIRDING MANTECA & FOU Accuracy: Latitude/Longitude: Quad Summary: | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV HOLLOW IN MAY, BOLAN ND A FAMILY GROUP WIT nonspecific area | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI /ENS. "CORRALL HOLLOW IS A WONDERFUL NDER LED THE OAKLAND ORNITHOLOGICAL CL TH BEGGING JUVENILES (1 COLLECTED FOR ID Area (acres): 231 |
| VICINITY OF CASTLE Detailed Location: BIRDS WERE DETECT WHERE THE VIREOS ROCK. Ecological: OTHER BIRDS OBSEF SWIFT, CLIFF SWALLO BIRDING AREA." Threats: General: AFTER BEING TIPPEE IN JUN 1932 TO CORF PLSS: T03S, R04E, S UTM: Zone-10 N416 County Summary: San Joaquin Sources: | TED IN CORRAL WERE SEEN TH RVED ABOVE TH OW AND LARK S D-OFF BY BRYAN RAL HOLLOW AF Sec. 25 (M) S6727 E633086 | HOLLOW THOUGH EXACT LOCA IE FOLLOWING BIRDS WERE OF HE LARGE ROCK WHERE THE VI SPARROW (ALL WITH YOUNG), 4 NT THAT LVBI WERE IN CORRAL FTER BIRDING MANTECA & FOU Accuracy: Latitude/Longitude: Quad Summary: | ATION IS UNKNOWN. NOT SERVED: PRAIRIE FALCO REOS WERE DETECTED ROCK WRENS, AND RAV HOLLOW IN MAY, BOLAN ND A FAMILY GROUP WIT nonspecific area 37.63805 / -121.49158 | TES STATED "ON THE LARGE ROCK JUST ABO DN" MAPPED TO RIPARIAN AREA NEAR CASTI INCLUDED PRAIRIE FALCON, WHITE-THROATEI /ENS. "CORRALL HOLLOW IS A WONDERFUL NDER LED THE OAKLAND ORNITHOLOGICAL CL TH BEGGING JUVENILES (1 COLLECTED FOR ID Area (acres): 231 Elevation (feet): 450 |



California Department of Fish and Wildlife



| Map Index Numbo Key Quad: | er: | 62568 Lathrop (3712 | 173) | | EO Index: Element Code: | | 90757 ABPBXA3010 | |
|------------------------------|------------|--------------------------------|-----------|--------------------------------------|---|-------------|---|-----------|
| Occurrence Num | ber: | 3 | | | Occurrence Last U | pdated: | 2013-07-23 | |
| Scientific Name: | Me | lospiza melodia | | | Common Name: | song spar | rrow ("Modesto" population) | |
| Listing Status: | | Federal: | None | | Rare Plant Rank: | | | |
| | | State: | None | | Other Lists: | CDFW_S | SC-Species of Special Concern | า |
| CNDDB Element | Ranks: | Global: | G5 | | | | | |
| | | State: | S3? | | | | | |
| General Habitat: | | | | | Micro Habitat: | | | |
| | | | | | | | | |
| Last Date Observ | ed: | 1896-05-24 | | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date | : | 1896-05-24 | | | Occurrence Rank: | Unknowr | n | |
| Owner/Manager: | | UNKNOWN | | | Trend: | Unknowr | n | |
| Presence: | | Presumed Exta | nt | | | | | |
| Location: | | | | | | | | |
| BANTA. | | | | | | | | |
| Detailed Location | n: | | | | | | | |
| | VIDED | LOCALITY "BA | NTA;" EXA | ACT LOCATION UNKN | IOWN. | | | |
| Ecological: | | | | | | | | |
| FROM SSP. HEEF | | | | | GRINNELL (1923) DESCE MENS WERE "INDISTING | | 1. MAILLIARDI AS SLIGHTLY I FROMHEERMANNII." | DIFFERENT |
| Threats: | | | | | | | | |
| General: | | | | | | | | |
| 1 JUVENILE MAL | E (MVZ | . #77106) COLL | ECTED 24 | MAY 1896 BY W.W. F | PRICE. | | | |
| PLSS: T02S, R0 | 05E, Se | c. 24 (M) | | Accuracy: | 1 mile | | Area (acres): | 0 |
| UTM: Zone-10 | N41797 | 762 E643343 | I | Latitude/Longitude: | 37.75395 / -121.37281 | | Elevation (feet): | 20 |
| County Summary | <i>ı</i> : | | | Quad Summary: | | | | |
| San Joaquin | | | ١ | Vernalis (3712163), Tr | acy (3712164), Lathrop (37 | 712173), Ur | nion Island (3712174) | |
| Sources: | | | | | | | | |
| | | | | RTEBRATE ZOOLOG 2-176. 1923-05-12 | Y) - NOTES ON SOME BIR | RDS OBSEF | RVED IN THE VICINITY OF CO | DLUSA, |
| | | | | | | | PECIES: PATTERNS OF GEO . AND BIODIV. 7(1)33-62. 200 | |
| | | , W. (MUSEUM JIN CO., CALIF | | | MVZ BIRDS #77106: MEL | OSPIZA MI | ELODIA MAILLIARDI FROM B | ANTA, SAN |
| | | | | | | | | |





| Map Index Number: | 11702 | | EO Index: | | 24745 |
|---|---|--|--|------------|--|
| Key Quad: | Ripon (37121 | 62) | Element Code: | | ABPBXB0020 |
| Occurrence Number: | 75 | | Occurrence Last U | pdated: | 2015-07-24 |
| Scientific Name: A | gelaius tricolor | | Common Name: | tricolored | l blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rank | s: Global: | G2G3 | | | SC-Species of Special Concern N-Endangered |
| | State: | S1S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL SF VICINITY. LARGELY E | | NUMEROUS IN CENTRAL VALLE LIFORNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1974-06-05 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1974-06-05 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| VICINITY OF MAZE RE | 0 & RIVER RD IN | ITERSECTION, 2.1 MI ENE OF V | /ERNALIS, 5.2 MI E OF I-5 & | & HWY 132 | 2 ITNERSECTION. |
| Detailed Location: | | | | | |
| | ESCRIBED AS ' | | ARD AND RIVER ROAD." N | IAPPED T | O GENERAL AREA AROUND MAZE BLVD |
| | | CATION UNITIONI. | | | |
| RIVER RD INTERSECT | | CATION UNKNOWN. | | | |
| RIVER RD INTERSECT Ecological: | | CATION UNKNOWN. | | | |
| RIVER RD INTERSECT Ecological: Threats: | | CATION UNKNOWN. | | | |
| RIVER RD INTERSECT Ecological: Threats: General: COLONY OF UNKNOW | ΓΙΟΝ. EXACT LC | VED ON 5 JUN 1974 IN THE PO | ST-FLEDGLINGS STAGE (I | DEHAVEN |); ADULTS AND FLEDGLINGS OBSERVED |
| RIVER RD INTERSECT Ecological: Threats: General: | FION. EXACT LC /N SIZE OBSER TUAL COLONY I | VED ON 5 JUN 1974 IN THE PO | ST-FLEDGLINGS STAGE (I 4/5 mile | DEHAVEN |); ADULTS AND FLEDGLINGS OBSERVED Area (acres): 0 |
| RIVER RD INTERSECT Ecological: Threats: General: COLONY OF UNKNOW IN THE AREA BUT AC PLSS: T03S, R07E, S | FION. EXACT LC /N SIZE OBSER TUAL COLONY I Sec. 30 (M) | VED ON 5 JUN 1974 IN THE PO NOT LOCATED. | 4/5 mile | DEHAVEN | , |
| RIVER RD INTERSECT Ecological: Threats: General: COLONY OF UNKNOW IN THE AREA BUT AC ^T PLSS: T03S, R07E, S UTM: Zone-10 N416 | FION. EXACT LC /N SIZE OBSER TUAL COLONY I Sec. 30 (M) | VED ON 5 JUN 1974 IN THE PO NOT LOCATED. Accuracy: | 4/5 mile | DEHAVEN | Area (acres): 0 |
| RIVER RD INTERSECT Ecological: Threats: General: COLONY OF UNKNOW IN THE AREA BUT AC PLSS: T03S, R07E, S UTM: Zone-10 N416 County Summary: | FION. EXACT LC /N SIZE OBSER TUAL COLONY I Sec. 30 (M) | VED ON 5 JUN 1974 IN THE PO NOT LOCATED. Accuracy: Latitude/Longitude: | 4/5 mile 37.64040 / -121.24860 | DEHAVEN | Area (acres): 0 |
| RIVER RD INTERSECT Ecological: Threats: General: COLONY OF UNKNOW IN THE AREA BUT AC PLSS: T03S, R07E, S | FION. EXACT LC /N SIZE OBSER TUAL COLONY I Sec. 30 (M) | VED ON 5 JUN 1974 IN THE PO NOT LOCATED. Accuracy: Latitude/Longitude: Quad Summary: | 4/5 mile 37.64040 / -121.24860 | DEHAVEN | Area (acres): 0 |
| RIVER RD INTERSECT Ecological: Threats: General: COLONY OF UNKNOW IN THE AREA BUT AC PLSS: T03S, R07E, S UTM: Zone-10 N416 County Summary: Stanislaus Sources: BEE91R0001 BEEI | /N SIZE OBSER TUAL COLONY I Sec. 30 (M) 7360 E654522 | VED ON 5 JUN 1974 IN THE PO NOT LOCATED. Accuracy: Latitude/Longitude: Quad Summary: Ripon (3712162), Ver | 4/5 mile 37.64040 / -121.24860 malis (3712163) NG STATUS, DISTRIBURTI | | Area (acres): 0 |



California Department of Fish and Wildlife



| • | er: 33419 | | EO Index: | | 12739 |
|---|---|--|-------------------------------------|------------|--|
| Key Quad: | Solyo (37121 | 53) | Element Code: | | ABPBXB0020 |
| Occurrence Num | ber: 320 | | Occurrence Last U | pdated: | 2004-06-01 |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored | l blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element | Ranks: Global: | G2G3 | | | SSC-Species of Special Concern N-Endangered |
| | State: | S1S2 | | NABCI_F | RWL-Red Watch List BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | - | - |
| | AL SPECIES, MOST I ELY ENDEMIC TO CA | NUMEROUS IN CENTRAL VALLE LIFORNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observ | /ed: 1997-04-26 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date | : 1997-04-26 | | Occurrence Rank: | Good | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Ext | ant | | | |
| Location: | | | | | |
| JUST NORTH OF | THE JUNCTION OF | I-5 AND HWY 580, 23 MILES SOL | JTH OF STOCKTON. | | |
| Detailed Location | 1: | | | | |
| Ecological: | | | | | |
| | | POND ASSOCIATED WITH AN A AND WHEAT FIELDS. BIRDS NE | | | GRAVEL PIT); SURROUNDING AREA |
| | | | | | |
| CONSISTS OF AL | | | | | |
| CONSISTS OF AL Threats: | | | | | |
| CONSISTS OF AL Threats: General: | · ADULTS OBSERVE | D ON 14 MAY 1996 AND AGAIN (| ON 30 MAY 1996. 1500 OB | SERVED | 26 APR 1997 BY BOWN AND HAMILTON |
| CONSISTS OF AL Threats: General: | | D ON 14 MAY 1996 AND AGAIN (Accuracy: | ON 30 MAY 1996. 1500 OB 1/5 mile | SERVED 2 | 26 APR 1997 BY BOWN AND HAMILTON Area (acres): 0 |
| CONSISTS OF AL Threats: General: ESTIMATED 600+ PLSS: T04S, R0 | | | | SERVED 2 | |
| CONSISTS OF AL Threats: General: ESTIMATED 600+ PLSS: T04S, R0 | 06E, Sec. 07 (M) N4162808 E646310 | Accuracy: | 1/5 mile | SERVED 2 | Area (acres): 0 |
| CONSISTS OF AL Threats: General: ESTIMATED 600+ PLSS: T04S, R0 UTM: Zone-10 I County Summary | 06E, Sec. 07 (M) N4162808 E646310 | Accuracy: Latitude/Longitude: | 1/5 mile | SERVED 2 | Area (acres): 0 |
| CONSISTS OF AL Threats: General: ESTIMATED 600+ PLSS: T04S, R0 UTM: Zone-10 I County Summary San Joaquin | 06E, Sec. 07 (M) N4162808 E646310 | Accuracy: Latitude/Longitude: Quad Summary: | 1/5 mile | SERVED 2 | Area (acres): 0 |
| CONSISTS OF AL Threats: General: ESTIMATED 600+ PLSS: T04S, R0 UTM: Zone-10 I County Summary San Joaquin Sources: DFG04U0002 | 06E, Sec. 07 (M) N4162808 E646310 /: | Accuracy: Latitude/Longitude: Quad Summary: Solyo (3712153) | 1/5 mile 37.60073 / -121.34255 | | Area (acres): 0 |



California Department of Fish and Wildlife



| Map Index Number: | 11363 | | EO Index: | | 98189 |
|--|--|--|--|------------|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | ABPBXB0020 |
| Occurrence Number | : 591 | | Occurrence Last U | pdated: | 2015-07-23 |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored | blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Rar | nks: Global: | G2G3 | | _ | SC-Species of Special Concern |
| | State: | S1S2 | | NABCI_F | WL-Red Watch List BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | | |
| HIGHLY COLONIAL S VICINITY. LARGELY | , | NUMEROUS IN CENTRAL VALLE' LIFORNIA. | | | ROTECTED NESTING SUBSTRATE, & ECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1936-06-03 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1936-06-03 | | Occurrence Rank: | None | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n |
| Presence: | Possibly Extirp | ated | | | |
| | | | | | |
| Location: | | | | | |
| | | | | | |
| VICINITY OF TRACY | | | | | |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION | DESCRIBED ONI | | | | TORIC TRACY. EXACT LOCATION |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY | DESCRIBED ONI | LY AS "NEAR TRACY." MAPPED (IN UC DAVIS TRICOLORED BLAC | | | |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: | DESCRIBED ONI Y DATA STORED | | CKBIRD PORTAL; SITE NA | | |
| UNKNOWN. COLON' Ecological: | DESCRIBED ONI Y DATA STORED | IN UC DAVIS TRICOLORED BLAG | CKBIRD PORTAL; SITE NA | | |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: | DESCRIBED ONI Y DATA STORED | IN UC DAVIS TRICOLORED BLAG | CKBIRD PORTAL; SITE NA | | |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG S Threats: General: | DESCRIBED ONL Y DATA STORED LOUGH. COLONY | IN UC DAVIS TRICOLORED BLAG | CKBIRD PORTAL; SITE NA | | |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: General: | DESCRIBED ONI Y DATA STORED LOUGH. COLONY NY COMPOSED O | IN UC DAVIS TRICOLORED BLAC | CKBIRD PORTAL; SITE NA | | |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: General: A BREEDING COLON PLSS: T02S, R05E | DESCRIBED ONI Y DATA STORED LOUGH. COLONY NY COMPOSED O | IN UC DAVIS TRICOLORED BLAG PRESUMED EXTIRPATED BY B F ABOUT 750 NESTS OBSERVEI | CKBIRD PORTAL; SITE NA EEDY (1991). D ON 3 JUN 1936. | | CY." |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: General: A BREEDING COLON PLSS: T02S, R05E UTM: Zone-10 N41 | DESCRIBED ONL Y DATA STORED LOUGH. COLONY NY COMPOSED O , Sec. 21 (M) | IN UC DAVIS TRICOLORED BLAG PRESUMED EXTIRPATED BY B F ABOUT 750 NESTS OBSERVED Accuracy: | CKBIRD PORTAL; SITE NA EEDY (1991). D ON 3 JUN 1936. 1 mile | | CY." Area (acres): 0 |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG S Threats: General: A BREEDING COLON PLSS: T02S, R05E UTM: Zone-10 N41 County Summary: | DESCRIBED ONL Y DATA STORED LOUGH. COLONY NY COMPOSED O , Sec. 21 (M) | IN UC DAVIS TRICOLORED BLAG PRESUMED EXTIRPATED BY B F ABOUT 750 NESTS OBSERVEI Accuracy: Latitude/Longitude: | CKBIRD PORTAL; SITE NA EEDY (1991). D ON 3 JUN 1936. 1 mile 37.73992 / -121.42606 | | CY." Area (acres): 0 |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: General: A BREEDING COLON PLSS: T02S, R05E UTM: Zone-10 N41 County Summary: San Joaquin | DESCRIBED ONL Y DATA STORED LOUGH. COLONY NY COMPOSED O , Sec. 21 (M) | IN UC DAVIS TRICOLORED BLAG PRESUMED EXTIRPATED BY B F ABOUT 750 NESTS OBSERVEI Accuracy: Latitude/Longitude: Quad Summary: | CKBIRD PORTAL; SITE NA EEDY (1991). D ON 3 JUN 1936. 1 mile 37.73992 / -121.42606 | | CY." Area (acres): 0 |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: General: A BREEDING COLON PLSS: T02S, R05E, UTM: Zone-10 N44 County Summary: San Joaquin Sources: BEE91R0001 BEI | DESCRIBED ONL Y DATA STORED LOUGH. COLONY NY COMPOSED O , Sec. 21 (M) 178125 E638678 EDY, E.C., S.D. SA | IN UC DAVIS TRICOLORED BLAG PRESUMED EXTIRPATED BY B F ABOUT 750 NESTS OBSERVED Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164), Unio | CKBIRD PORTAL; SITE N/ EEDY (1991). D ON 3 JUN 1936. 1 mile 37.73992 / -121.42606 n Island (3712174) G STATUS, DISTRIBURTI | AME "TRA | CY." Area (acres): 0 |
| VICINITY OF TRACY Detailed Location: COLONY LOCATION UNKNOWN. COLONY Ecological: CATTAILS ALONG SI Threats: General: A BREEDING COLON PLSS: T02S, R05E UTM: Zone-10 N41 County Summary: San Joaquin Sources: BEE91R0001 BEI TRI | DESCRIBED ONL Y DATA STORED LOUGH. COLONY NY COMPOSED O , Sec. 21 (M) 178125 E638678 EDY, E.C., S.D. SA COLORED BLACK | IN UC DAVIS TRICOLORED BLAG PRESUMED EXTIRPATED BY B F ABOUT 750 NESTS OBSERVED Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164), Union | CKBIRD PORTAL; SITE N/ EEDY (1991). D ON 3 JUN 1936. 1 mile 37.73992 / -121.42606 n Island (3712174) G STATUS, DISTRIBURTI 850-1989. 1991-06-XX | ON, AND | Area (acres): 0 Elevation (feet): 40 HABITAT ASSOCIATIONS OF THE |



California Department of Fish and Wildlife



| Map Index Number: | 96951 | | EO Index: | 98191 |
|---|--|--|--|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | ABPBXB0020 |
| Occurrence Number: | 592 | | Occurrence Last U | pdated: 2015-08-13 |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored blackbird |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Rank | s: Global: | G2G3 | | CDFW_SSC-Species of Special Concern IUCN_EN-Endangered |
| | State: | S1S2 | | NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern |
| General Habitat: | | | Micro Habitat: | |
| HIGHLY COLONIAL SF VICINITY. LARGELY E | | IUMEROUS IN CENTRAL VALLEY LIFORNIA. | | VATER, PROTECTED NESTING SUBSTRATE, & WITH INSECT PREY WITHIN A FEW KM OF THE |
| Last Date Observed: | 1936-06-03 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 2014-04-19 | | Occurrence Rank: | None |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Possibly Extirp | ated | | |
| Location: | | | | |
| ILIST E OF TRACY 2 | 4 MI W OF I-5 AN | ID GRANT LINE RD INTERSECTION | ON. | |
| JUDI L OF INACI, Z. | | | | |
| | | | | |
| Detailed Location: COLONY LOCATION D | | | | NREA EAST OF TRACY CITY PROPER, NEAR D BLACKBIRD PORTA, SITE NAME "EAST TRAC |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO | | | | |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). | OCATION UNKNO | DWN. COLONY DATA STORED IN | I UC DAVIS TRICOLOREE | |
| Detailed Location: COLONY LOCATION E RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: | OCATION UNKNO | DWN. COLONY DATA STORED IN | I UC DAVIS TRICOLOREE |) BLACKBIRD PORTA, SITE NAME "EAST TRAC |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: | DCATION UNKNO | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP | I UC DAVIS TRICOLOREI | D BLACKBIRD PORTA, SITE NAME "EAST TRAC |
| Detailed Location: COLONY LOCATION E RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY | OCATION UNKNO DWS ALONG RAI | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE | I UC DAVIS TRICOLOREE PROPRIATE HABITAT IN 2 ED ON 3 JUN 1936 (NEFF | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 1014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY PLSS: T02S, R05E, S | OCATION UNKNO DWS ALONG RAI | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE Accuracy: | I UC DAVIS TRICOLOREI | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 1014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. Area (acres): 0 |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY PLSS: T02S, R05E, S UTM: Zone-10 N417 | DCATION UNKNO DWS ALONG RAI (COMPOSED O Gec. 23 (M) | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE Accuracy: Latitude/Longitude: | I UC DAVIS TRICOLOREI ROPRIATE HABITAT IN 2 ED ON 3 JUN 1936 (NEFF 1 mile | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 2014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. Area (acres): 0 |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY PLSS: T02S, R05E, S UTM: Zone-10 N417 | DCATION UNKNO DWS ALONG RAI (COMPOSED O Gec. 23 (M) | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE Accuracy: Latitude/Longitude: Quad Summary: | I UC DAVIS TRICOLOREI PROPRIATE HABITAT IN 2 ED ON 3 JUN 1936 (NEFF 1 mile 37.74680 / -121.38639 | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 1014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. Area (acres): 0 |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY PLSS: T02S, R05E, S UTM: Zone-10 N417 County Summary: San Joaquin | DCATION UNKNO DWS ALONG RAI (COMPOSED O Gec. 23 (M) | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE Accuracy: Latitude/Longitude: Quad Summary: | I UC DAVIS TRICOLOREI PROPRIATE HABITAT IN 2 ED ON 3 JUN 1936 (NEFF 1 mile 37.74680 / -121.38639 | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 2014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. Area (acres): 0 Elevation (feet): 40 |
| Detailed Location: COLONY LOCATION E RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY PLSS: T02S, R05E, S UTM: Zone-10 N417 County Summary: San Joaquin Sources: BEE91R0001 BEEE | DCATION UNKNO DWS ALONG RAI (COMPOSED O Sec. 23 (M) (8948 E642160 DY, E.C., S.D. SA | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE Accuracy: Latitude/Longitude: Quad Summary: Vernalis (3712163), Tra | I UC DAVIS TRICOLOREI ROPRIATE HABITAT IN 2 ED ON 3 JUN 1936 (NEFF 1 mile 37.74680 / -121.38639 acy (3712164), Lathrop (37 G STATUS, DISTRIBURTI | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 2014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. Area (acres): 0 Elevation (feet): 40 |
| Detailed Location: COLONY LOCATION D RAILWAYS. EXACT LO Ecological: CATTAILS AND WILLO (1991). Threats: General: A BREEDING COLONY PLSS: T02S, R05E, S UTM: Zone-10 N417 County Summary: San Joaquin Sources: BEE91R0001 BEEL TRIC | OCATION UNKNO DWS ALONG RAI COMPOSED O Sec. 23 (M) 8948 E642160 DY, E.C., S.D. SA OLORED BLACK | DWN. COLONY DATA STORED IN LWAY SLOUGH IN 1936. NO APP F ABOUT 2,500 NESTS OBSERVE Accuracy: Latitude/Longitude: Quad Summary: Vernalis (3712163), Tra | I UC DAVIS TRICOLOREI ROPRIATE HABITAT IN 2 ED ON 3 JUN 1936 (NEFF 1 mile 37.74680 / -121.38639 acy (3712164), Lathrop (37 G STATUS, DISTRIBURTI 850-1989. 1991-06-XX | D BLACKBIRD PORTA, SITE NAME "EAST TRAC 2014. COLONY PRESUMED EXTIRPATED BY BE 1937). 0 OBSERVED ON 19 APR 2014. Area (acres): 0 Elevation (feet): 40 12173), Union Island (3712174) ON, AND HABITAT ASSOCIATIONS OF THE |



California Department of Fish and Wildlife

California Natural Diversity Database



| M. DIVERSITI DAY | | | iral Diversity Databas | 56 | | |
|---|-------------------|--|------------------------|------------|---|---------|
| Map Index Number: | 96971 | | EO Index: | | 98207 | |
| Key Quad: | Vernalis (37121 | 63) | Element Code: | | ABPBXB0020 | |
| Occurrence Number: | 596 | | Occurrence Last U | pdated: | 2015-08-31 | |
| Scientific Name: | Agelaius tricolor | | Common Name: | tricolored | blackbird | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranl | s: Global: | G2G3 | | | SC-Species of Special Concern I-Endangered | n |
| | State: | S1S2 | | NABCI_R | WL-Red Watch List | |
| | | | | USFWS_ | BCC-Birds of Conservation Co | ncern |
| General Habitat: | | | Micro Habitat: | | | |
| HIGHLY COLONIAL SI VICINITY. LARGELY E | ' | JMEROUS IN CENTRAL VALLE' FORNIA. | | | ROTECTED NESTING SUBST CT PREY WITHIN A FEW KM | |
| Last Date Observed: | 1966-05-16 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 2011-04-17 | | Occurrence Rank: | Unknow | า | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | า | |
| Presence: | Presumed Extan | t | | | | |
| Location: | | | | | | |
| ~1.3 MI NW OF GREE | NWOOD RD & RIV | ER RD INTERSECTION, 2.5 MI | ESE OF DURHAM FERRY | RD & AHE | ERN RD INTERSECTION, VER | RNALIS. |
| Detailed Location: | | | | | | |
| | | RBL PORTAL; SITE "DURHAM DAQUIN RIVER." MAPPED AS E | | | | |
| Ecological: | | | | | | |
| SMALL MARSH IN AN | AGRICULTURAL I | DRAINWATER POND SOUTH O | PF ROAD (1965-66). | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| | | D ON 19 MAY 1965; BEHAVIOR RAL HUNDRED BIRDS OBS ON | | | | |
| PLSS: T03S, R06E, | Sec. 23 (M) | Accuracy: | 4/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N416 | 9693 E651620 | Latitude/Longitude: | 37.66190 / -121.28099 | | Elevation (feet): | 60 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |

Sources:

BEE91R0001BEEDY, E.C., S.D. SANDERS & D. BLOOM - BREEDING STATUS, DISTRIBURTION, AND HABITAT ASSOCIATIONS OF THE
TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR), 1850-1989. 1991-06-XXTRI14D0001TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECO

RI14D0001TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS
FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 91542 | | EO Index: | | 92609 |
|--|------------------------------|--|--|----------------------|--|
| ey Quad: | Lathrop (3712 | 2173) | Element Code: | | AFCHA0209K |
| occurrence Number: | 25 | | Occurrence Last U | odated: | 2014-02-27 |
| cientific Name: On | corhynchus my | ykiss irideus | Common Name: | steelhead | d - Central Valley DPS |
| isting Status: | Federal: | Threatened | Rare Plant Rank: | | |
| | State: | None | Other Lists: | AFS_TH- | Threatened |
| NDDB Element Ranks: | Global: | G5T2Q | | | |
| | State: | S2 | | | |
| eneral Habitat: | | | Micro Habitat: | | |
| POPULATIONS IN THE S THEIR TRIBUTARIES. | SACRAMENTO | O AND SAN JOAQUIN RIVERS A | ND | | |
| ast Date Observed: | 2013-XX-XX | | Occurrence Type: | Natural/ | Native occurrence |
| ast Survey Date: | 2013-XX-XX | | Occurrence Rank: | Poor | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| resence: | Presumed Exta | ant | | | |
| ocation: | | | | | |
| OWER SAN JOAQUIN F | RIVER, FROM | THE MOSSDALE TRAWL SITE (| RM 54) TO SACK DAM (RM | 182). | |
| etailed Location: | | | | | |
| | | | | | ED AT HILLS FERRY (RM 118) SINCE 199. CTICAL U/S LIMIT TO MIGRATION. |
| cological: | | | | | |
| | | | | | ND O. MYKISS ABOVE HILLS FERRY SH DUE TO LACK OF REARING HABITAT. |
| hreats: | | | | | |
| IPSTREAM HABITAT CI | UT OFF BY SA | ACK & FRIANT DAMS. WATER T | EMPS REACH LETHAL LEV | 'ELS IN LO | OWER RIVER. |
| General: | | | | | |
| YEARLY CATCH AT MOS MONITORING BEGUN 20 PROGENY. | SSDALE TRAV 012 (BUT FISH | NL 0-41 (AVG 8), 1994-2011; MO HASSEMBLAGE INVENTORY FC | SLTY UNCLIPPED SMOLTS DUND TROUT). 2 OF 6 SMC | 6. NO SH DLTS SAM | DET ABOVE RM 118 DURING SH IPLED IN '08 OTOLITH STUDY WERE SH |
| PLSS: T01S, R06E, Se | c. 33 (M) | Accuracy: | nonspecific area | | Area (acres): 14,775 |
| JTM: Zone-10 N41855 | 547 E648244 | Latitude/Longitude: | 37.80528 / -121.31601 | | Elevation (feet): |
| County Summary: | | Quad Summary: | | | |
| Fresno, Madera, Merced, Stanislaus | San Joaquin, | Ranch (3712026), Sa | n Luis Ranch (3712027), Ste nding (3712141), Brush Lake | vinson (37 | (3712015), Delta Ranch (3712016), Turner 712037), Gustine (3712038), Hatch I), Westley (3712152), Ripon (3712162), |





| Sources: | |
|------------|--|
| BDA06D0001 | BAY DELTA AND TRIBUTARIES PROJECT - BAY DELTA AND TRIBUTARIES PROJECT WEBSITE STEELHEAD DOWNLOAD [1/12/2006 BDAT WEBSITE] 2006-01-12 |
| BOR14U0001 | U.S. BUREAU OF RECLAMATION - FIELD ACTIVITY ADVISORY, CENTRAL VALLEY STEELHEAD MONIORING PLAN: JANUARY 6 - MARCH 15, 2014. 2014-XX-XX |
| NMF09R0001 | NATIONAL MARINE FISHERIES SERVICE (NOAA) - CALIFORNIA CENTRAL VALLEY SALMON & STEELHEAD DRAFT RECOVERY PLAN, APPENDIX A: CENTRAL VALLEY WATERSHED PROFILES. 2009-10-XX |
| POR12R0001 | PORTZ, D. ET AL. (U.S. BUREAU OF RECLAMATION) - CENTRAL VALLEY STEELHEAD MONITORING PLAN FOR THE SAN JOAQUIN RIVER RESTORATION AREA: 2012 MID-YEAR TECHNICAL REPORT. 2012-07-XX |
| POR13R0001 | PORTZ, D. ET AL. (U.S. BUREAU OF RECLAMATION) - CENTRAL VALLEY STEELHEAD MONITORING PLAN FOR THE SAN JOAQUIN RIVER RESTORATION AREA: 2013 MONITORING RESULTS 2013-05-XX |
| STO11D0005 | STOCKTON FISH AND WILDLIFE OFFICE - MOSSDALE TRAWLS CHINOOK & PELAGIC ORGANISM DECLINE SPECIES 1994-2011 MONITORING DATA. 2011-XX-XX |
| STO13D0004 | STOCKTON FISH AND WILDLIFE OFFICE - MOSSDALE TRAWLS CHINOOK & PELAGIC ORGANISM DECLINE SPECIES 2012-2013 MONITORING DATA. 2013-XX-XX |
| WOR13U0001 | WORKMAN, M. & D. PORTZ - LONG TERM FISH ASSEMBLAGE INVENTORY AND MONITORING STUDY (PRELIMINARY DATA REPORT). 2013-08-XX |
| ZIM08R0001 | ZIMMERMAN, C. ET AL MATERNAL ORIGIN AND MIGRATORY HISTORY OF ONCOHYNCHUS MYKISS CAPTURED IN RIVERS OF THE CENTRAL VALLEY, CALIFORNIA. 2008-03-06 |



California Department of Fish and Wildlife



| Map Index Number: | 92392 | | EO Index: | | 93515 |
|---|------------------|-----------------------------|----------------------------|-------------|--|
| Key Quad: | Midway (3712 | 165) | Element Code: | | AMACC08010 |
| Occurrence Number: | 421 | | Occurrence Last U | pdated: | 2014-05-15 |
| Scientific Name: C | orynorhinus tow | nsendii | Common Name: | Townsen | nd's big-eared bat |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | Candidate Threatened | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G3G4 | | | SSC-Species of Special Concern C-Least Concern |
| | State: | S2 | | | -Sensitive H-High Priority |
| General Habitat: | | | Micro Habitat: | | |
| THROUGHOUT CALIFO COMMON IN MESIC SI | | E VARIETY OF HABITATS. MOS | | | IGING FROM WALLS & CEILINGS. EXTREMELY SENSITIVE TO HUMAN |
| Last Date Observed: | 1956-07-29 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1956-07-29 | | Occurrence Rank: | Unknow | <i>i</i> n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| ABOUT 4.3 M SW OF I- | 580 AT CORRA | L HOLLOW ROAD AND ABOUT 3 | .5 MI N OF BALD MOUNTA | AIN. | |
| Detailed Location: | | | | | |
| | KNOWN. MAPPI | ED GENERALLY TO PROVIDED I | LOCALITY OF CORRAL HO | OLLOW, 2 | 2 MI E OF THE COUNTY LINE. |
| Ecological: | | | | | |
| Threats: | | | | | |
| General: | | | | | |
| 1 SPECIMEN COLLECT | ED ON 15 JUN | AND ANOTHER ON 29 JUL 1956 | BY A. ZIEGLER AND J. CO | OOK (MV2 | Z #120842, 120914). |
| PLSS: T03S, R04E, S | ec. 34 (M) | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N416 | 5755 E631019 | Latitude/Longitude: | 37.62959 / -121.51518 | | Elevation (feet): 570 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Lone Tree Creek (3712 | 2154), Cedar Mtn. (3712155 | 5), Tracy (| 3712164), Midway (3712165) |
| | | | | | |
| Sources: | | | | | |
| | K, J. & A. ZIEGL | ER - MVZ #120842 1956-07-29 | | | |



California Department of Fish and Wildlife



| Map Index Number: | 33090 | | EO Index: | | 66751 |
|---------------------|------------------|--|-----------------------|------------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | AMACC10010 |
| Occurrence Number: | 278 | | Occurrence Last U | pdated: | 2006-10-23 |
| Scientific Name: A | ntrozous pallidu | IS | Common Name: | pallid bat | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks | s: Global: | G5 | | _ | SC-Species of Special Concern -Least Concern |
| | State: | S3 | | USFS_S- | |
| General Habitat: | | | Micro Habitat: | | |
| | , | NDS, WOODLANDS & FORESTS. TATS WITH ROCKY AREAS FOR | | | ATS FROM HIGH TEMPERATURES. VERY E OF ROOSTING SITES. |
| Last Date Observed: | 1941-10-12 | | Occurrence Type: | Natural/N | Native occurrence |
| Last Survey Date: | 1941-10-12 | | Occurrence Rank: | Unknowr | n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknowr | n |
| Presence: | Presumed Ext | ant | | | |
| Location: | | | | | |
| CORRAL HOLLOW, CA | STLE ROCK. | | | | |
| Detailed Location: | | | | | |
| Ecological: | | | | | |
| Threats: | | | | | |
| General: | | | | | |
| 1 MALE SPECIMEN CC | OLLECTED BY (| CHARLES G. SIBLEY ON 12 OCT | 1941, MVZ #109906. | | |
| PLSS: T03S, R04E, S | ec. 25 (M) | Accuracy: | 1/5 mile | | Area (acres): 0 |
| UTM: Zone-10 N416 | 6536 E633165 | Latitude/Longitude: | 37.63632 / -121.49073 | | Elevation (feet): |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| Sources: | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 33090 | | EO Index: | 19333 |
|--------------------------|------------------|---|-----------------------------|---|
| Key Quad: | Tracy (37121 | 64) | Element Code: | AMACD02011 |
| Occurrence Number: | 17 | | Occurrence Last U | pdated: 1995-03-28 |
| Scientific Name: E | Eumops perotis c | alifornicus | Common Name: | western mastiff bat |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Rank | s: Global: | G5T4 | | CDFW_SSC-Species of Special Concern WBWG_H-High Priority |
| | State: | S3S4 | | _ 0 , |
| General Habitat: | | | Micro Habitat: | |
| | | BITATS, INCLUDING CONIFER & _ SCRUB, GRASSLANDS, | ROOSTS IN CREVI TUNNELS. | CES IN CLIFF FACES, HIGH BUILDINGS, TREES & |
| Last Date Observed: | 1991-07-18 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1991-07-18 | | Occurrence Rank: | Excellent |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Ext | ant | | |
| Location: | | | | |
| CASTLE ROCK, ON TH | IE EAST SIDE C | OF CORRAL HOLLOW ROAD, 7 M | ILES SSW OF TRACY. | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| 2 INDIVIDUALS OBSEF | RVED FLYING N | IEAR THE NORTH CLIFF FACE A | T 11:40PM; IDENTIFIED B | Y LARGE SIZE AND LOUD, AUDIBLE SOUNDS. |
| PLSS: T03S, R04E, S | Sec. 25 (M) | Accuracy: | 1/5 mile | Area (acres): 0 |
| . 1000, 104L, C | 6536 E633165 | Latitude/Longitude: | 37.63632 / -121.49073 | Elevation (feet): 700 |
| UTM: Zone-10 N416 | | | | |
| | | Quad Summary: | | |
| UTM: Zone-10 N416 | | Quad Summary: Tracy (3712164) | | |



California Department of Fish and Wildlife



| Scientific Name: | e r: 1 | | 2163) | Element Code: Occurrence Last Up | AMAEB01021 odated: 2014-03-21 |
|-------------------------------------|----------------|--------------------|---|-------------------------------------|---|
| Scientific Name. | Sylvila | agus bachma | ani riparius | Common Name: | riparian brush rabbit |
| Listing Status: | - | Federal: | Endangered | Rare Plant Rank: | |
| Lioting etation | | State: | Endangered | Other Lists: | |
| CNDDB Element Ra | inks: | Global: | G5T1 | | |
| | | State: | S1 | | |
| General Habitat: | | | | Micro Habitat: | |
| RIPARIAN AREAS (STANISLAUS COUN | | SAN JOAQI | UIN RIVER IN NORTHERN | DENSE THICKETS (| OF WILD ROSE, WILLOWS, AND BLACKBERRIES. |
| Last Date Observed | l: 19 | 32-11-04 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 19 | 32-11-04 | | Occurrence Rank: | None |
| Owner/Manager: | UN | KNOWN | | Trend: | Unknown |
| Presence: | Po | ssibly Extirpation | ated | | |
| Location: | | | | | |
| VICINITY OF KINCA | IDS RA | NCH, ABOU | IT 2 MILES NORTHEAST OF VER | RNALIS ON THE WEST SID | E OF THE SAN JOAQUIN RIVER. |
| Detailed Location: | | | | | |
| | | | VEN FOR CAS SPECIMENS, "VE CATIONS UNKNOWN. | RNALIS, 2 MILES NE" AND | D MVZ SPECIMENS, "KINCAID'S RANCH, 2 MI NE |
| Ecological: | | | | | |
| SURVEYS 1971-85 LESS-THAN-EXHAU | | | D JUST NE OF MAPPED AREA | NDICATED LOCAL EXTIRF | PATION, BUT ARE INCONCLUSIVE DUE TO LIKELY |
| Threats: | | | | | |
| STREAM MODIFICA | TION, | LAND USE C | CONVERSION, & VEGETATION F | REMOVAL REDUCED RIPA | RIAN HABITAT SINCE THE TIME OF COLLECTION. |
| | | | AND 3 SEP 1931 (CAS #8004 & 8 / 1932 (MVZ #55133 & 55134). | 005). 1 FEMALE CAUGHT | 11 NOV 1931 (MVZ #57348, TYPE SPECIMEN). 1 |
| PLSS: T03S, R06 | E, Sec. | 25 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4 | 168159 | 9 E653548 | Latitude/Longitude: | 37.64776 / -121.25945 | Elevation (feet): 50 |
| County Summary: | | | Quad Summary: | | |
| San Joaquin, Stanisl | aus | | Ripon (3712162), Verr | alis (3712163) | |
| Sources: | | | | | |
| | | | ED INFORMATION SYSTEM (MA NIS. THIS INCLUDES RECORDS | | /ILAGUS BACHMANI RIPARIUS SPECIMEN 12-10 |
| | ILLIAM: -31 | S, D.F. & G.E | E. BASEY - RIPARIAN BRUSH RA | ABBIT STUDY: POPULATIO | N STATUS OF THE RIPARIAN BRUSH RABBIT. 1986 |



California Department of Fish and Wildlife



| Map Index Number: | 11232 | | EO Index: | 23923 |
|---------------------|------------------|---|-------------------------------|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | AMAFD01060 |
| Occurrence Number: | 44 | | Occurrence Last U | pdated: 1989-08-10 |
| Scientific Name: Po | erognathus inorr | natus | Common Name: | San Joaquin Pocket Mouse |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | BLM_S-Sensitive |
| CNDDB Element Ranks | s: Global: | G2G3 | | |
| | State: | S2S3 | | |
| General Habitat: | | | Micro Habitat: | |
| SOUTHERN SACRAME | NTO VALLEY, S | ID SCRUBLAND IN THE SALINAS VALLEY, SAN JOAQU SOUTH TO THE MOJAVE DES | lin | I FINE-TEXTURED, SANDY, FRIABLE SOILS. |
| Last Date Observed: | 1911-03-18 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1911-03-18 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| CORRAL HOLLOW, 8 M | 1I SW TRACY. | | | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| MVZ #14484. | | | | |
| PLSS: T03S, R04E, S | ec. 25 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| UTM: Zone-10 N4166 | 6750 E633133 | Latitude/Longitude: | 37.63825 / -121.49106 | Elevation (feet): |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Lone Tree Creek (37 | (12154), Tracy (3712164), Mic | dway (3712165) |
| | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 11535 | | EO Index: | | 23915 | |
|--|------------------|--|-----------------------|------------|--------------------------|--------|
| Key Quad: | Solyo (371215 | 53) | Element Code: | | AMAFD01060 | |
| Occurrence Number: | 61 | | Occurrence Last U | pdated: | 1989-08-10 | |
| Scientific Name: P | erognathus inorr | natus | Common Name: | San Joaqu | uin Pocket Mouse | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-Se | ensitive | |
| CNDDB Element Ranks | s: Global: | G2G3 | | | | |
| | State: | S2S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| SOUTHERN SACRAME | NTO VALLEY, S | ID SCRUBLAND IN THE SALINAS VALLEY, SAN JOAQUIN SOUTH TO THE MOJAVE DESE | ١ | H FINE-TEX | (TURED, SANDY, FRIABLE S | OILS. |
| Last Date Observed: | 1987-06-15 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: | 1987-06-15 | | Occurrence Rank: | Unknown | 1 | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | 1 | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| HOSPITAL CREEK, 100 | M E OF HWY 5 | 580, APPROX 8 MI SW OF SAN J | OAQUIN RIVER CLUB. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| HABITAT IS DIABLAN S SHALLOW ROCKY SO | | OMINATED BY ARTEMISIA CALI | FORNICA, ERIOGONUM F | ASCICULA | TUM, AND SALVIA MELLIFE | RA, IN |
| Threats: | L3. | | | | | |
| | Y IN THE AREA | IS A POSSIBLE THREAT. | | | | |
| General: | | | | | | |
| SITE QUALITY POOR, | ACCORDING TO | O SMITH. TWO ADULTS OBSER | /ED IN 1987. | | | |
| PLSS: T04S, R06E, S | ec. 07 (M) | Accuracy: | 1/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N416 | 3063 E645932 | Latitude/Longitude: | 37.60309 / -121.34678 | | Elevation (feet): | 320 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Solyo (3712153) | | | | |
| | | | | | | |





| Map Index Number: | 46059 | | EO Index: | | 46059 | |
|----------------------------------|------------------|---|-------------------------|-----------|--------------------------|------------|
| Key Quad: | Tracy (37121) | 64) | Element Code: | | AMAFD01060 | |
| Occurrence Number: | 87 | | Occurrence Last Up | odated: | 2001-10-05 | |
| Scientific Name: P | erognathus inori | natus | Common Name: | San Joaq | juin Pocket Mouse | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | Sensitive | |
| CNDDB Element Ranks | s: Global: | G2G3 | | | | |
| | State: | S2S3 | | | | |
| eneral Habitat: | | | Micro Habitat: | | | |
| SOUTHERN SACRAME | NTO VALLEY, S | RID SCRUBLAND IN THE SALINAS VALLEY, SAN JOAQUIN , SOUTH TO THE MOJAVE DESE | 1 | I FINE-TE | XTURED, SANDY, FRIABLE S | OILS. |
| _ast Date Observed: | 2001-05-09 | | Occurrence Type: | Natural/I | Native occurrence | |
| ast Survey Date: | 2001-05-09 | | Occurrence Rank: | Fair | | |
| Owner/Manager: | PVT-GRANITE | CONSTRUCTION CO | Trend: | Unknow | n | |
| resence: | Presumed Exta | ant | | | | |
| ocation: | | | | | | |
| PPROXIMATELY 5 MI | LES SSW OF T | RACY; BETWEEN INTERSTATE \$ | 580 AND THE CALIFORNIA | AQUEDU | JCT. | |
| Detailed Location: | | | | | | |
| PPROXIMATELY 0.3 I | MILES SOUTH (| OF THE INTERSECTION OF I-580 | AND CORRAL HOLLOW F | ROAD, NE | OF I-580. | |
| cological: | | | | | | |
| | | ′ MINED NON-NATIVE GRASSLA TUS, REITHRODONTOMYS MEG | | | | HER SPECIE |
| hreats: | | | | 0112214 | | |
| GGREGATE MINING. | GRAZING TO S | OUTH (SHEEP) AND NORTH (C/ | ATTLE) OF SITE. | | | |
| General: | | | | | | |
| 24 ADULT AND 4 JUVE THE AREA. | NILES TRAPPE | D AND AT THIS SITE BETWEEN | 11 APR & 9 MAY 2001. AN | IIMALS RE | ELOCATED TO PRIVATE PRO | PERTY IN |
| PLSS: T03S, R05E, S | ec. 17 (M) | Accuracy: | 1/5 mile | | Area (acres): | 0 |
| JTM: Zone-10 N417 | 0424 E636788 | Latitude/Longitude: | 37.67082 / -121.44895 | | Elevation (feet): | 275 |
| | | Quad Summary: | | | | |
| County Summary: | | | | | | |
| San Joaquin | | Tracy (3712164) | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 11 | 683 | | | EO Index: | | 23796 | |
|--|--|--|--|--|---|-------------|--|--------------------|
| Key Quad: | Ve | rnalis (3712 | 2163) | | Element Code: | | AMAFF08081 | |
| Occurrence Numbe | r: 2 | | | | Occurrence Last U | pdated: | 2005-09-26 | |
| Scientific Name: | Neotor | ma fuscipes | riparia | | Common Name: | riparian (= | -San Joaquin Valley) woodrat | |
| Listing Status: | | Federal: | Endangere | d | Rare Plant Rank: | | | |
| | | State: | None | | Other Lists: | CDFW_S | SC-Species of Special Concern | |
| CNDDB Element Ra | nks: | Global: | G5T1Q | | | | | |
| | | State: | S1 | | | | | |
| General Habitat: | | | | | Micro Habitat: | | | |
| RIPARIAN AREAS A | | THE SAN JO | DAQUIN, STA | NISLAUS & | NEED AREAS WITH NESTING SITES IN | | BRUSH & TREES. NEED SUITA NAGS OR LOGS. | BLE |
| _ast Date Observed | : 193 | 2-11-04 | | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 193 | 2-11-04 | | | Occurrence Rank: | Unknowr | า | |
| Owner/Manager: | UN | KNOWN | | | Trend: | Unknowr | า | |
| Presence: | Pre | sumed Exta | ant | | | | | |
| | | | | | | | | |
| Location: | | | | | | | | |
| | 2 MI NE | VERNALIS | 3. | | | | | |
| (INCAID'S RANCH, | 2 MI NE | VERNALIS | S. | | | | | |
| KINCAID'S RANCH, Detailed Location: _AT/LONG COORDI | | | | FALL IN THE SOUT | HWESTERN PART OF THE | OCCURR | ENCE AND HAVE AN UNCERT | ΓΑΙΝΤΥ Ο |
| (INCAID'S RANCH, Detailed Location: LAT/LONG COORDI 0.5 MILES. | | | | FALL IN THE SOUT | HWESTERN PART OF THE | OCCURR | ENCE AND HAVE AN UNCERT | ΓΑΙΝΤΥ Ο |
| (INCAID'S RANCH, Detailed Location: LAT/LONG COORDI 0.5 MILES. Ecological: | | | | ALL IN THE SOUT | HWESTERN PART OF THE | OCCURR | ENCE AND HAVE AN UNCERT | FAINTY O |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDI D.5 MILES. Ecological: Threats: | | | | FALL IN THE SOUT | HWESTERN PART OF THE | OCCURR | ENCE AND HAVE AN UNCERT | ΓΑΙΝΤΥ Ο |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDI D.5 MILES. Ecological: Threats: General: | NATES | PROVIDED |) BY MANIS F | | HWESTERN PART OF THE LECTED 4 NOV 1932 BY RO | | | ΓΑΙΝΤΥ Ο |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDI D.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 | NATES 0 (HOLC | PROVIDED DTYPE) ANI |) BY MANIS F D 1 FEMALE | | | | | ΓΑΙΝΤΥ Ο |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDI 0.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 PLSS: T03S, R06E | NATES 0 (HOLC 5, Sec. 2 | PROVIDED DTYPE) ANI 5 (M) |) BY MANIS F D 1 FEMALE A | , MVZ #55131 COLL | ECTED 4 NOV 1932 BY RO | | ORR. | - |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDI 0.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 PLSS: T03S, R06E UTM: Zone-10 N4 | NATES 0 (HOLC 5, Sec. 2 | PROVIDED DTYPE) ANI 5 (M) |) BY MANIS F D 1 FEMALE A La | , MVZ #55131 COLL ccuracy: | ECTED 4 NOV 1932 BY RO 1 mile | | ORR. Area (acres): | 0 |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDI 0.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 PLSS: T03S, R06E UTM: Zone-10 N4 County Summary: | NATES 0 (HOLC 3, Sec. 2 168159 | PROVIDED DTYPE) ANI 5 (M) | D BY MANIS F D 1 FEMALE Ar La | , MVZ #55131 COLL ccuracy: atitude/Longitude: | ECTED 4 NOV 1932 BY RG 1 mile 37.64776 / -121.25945 | | ORR. Area (acres): | 0 |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDID D.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 PLSS: T03S, R06E UTM: Zone-10 N4 County Summary: San Joaquin, Stanisla | NATES 0 (HOLC 3, Sec. 2 168159 | PROVIDED DTYPE) ANI 5 (M) | D BY MANIS F D 1 FEMALE Ar La | , MVZ #55131 COLL ccuracy: atitude/Longitude: uad Summary: | ECTED 4 NOV 1932 BY RG 1 mile 37.64776 / -121.25945 | | ORR. Area (acres): | 0 |
| KINCAID'S RANCH, Detailed Location: LAT/LONG COORDID 0.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 PLSS: T03S, R06E UTM: Zone-10 N4 County Summary: San Joaquin, Stanisla Sources: MAN05S0007 MA | NATES 0 (HOLC ;, Sec. 2 168159 aus | PROVIDED DTYPE) ANI 5 (M) E653548 NETWORKI | D 1 FEMALE | , MVZ #55131 COLL ccuracy: atitude/Longitude: uad Summary: ipon (3712162), Ven | ECTED 4 NOV 1932 BY R0 1 mile 37.64776 / -121.25945 nalis (3712163) | DBERT T. (| ORR. Area (acres): | 0 50 |
| 0.5 MILES. Ecological: Threats: General: 1 MALE, MVZ #5513 PLSS: T03S, R06E UTM: Zone-10 N4 County Summary: San Joaquin, Stanisla Sources: MAN05S0007 MA FR MVZ04S0008 MV | NATES 0 (HOLC 3, Sec. 2 168159 aus MMAL 1 OM MA 72 SPEC | PROVIDED DTYPE) ANI 5 (M) E653548 NETWORKI NIS. THIS II CIMEN DAT. | D BY MANIS F | , MVZ #55131 COLL ccuracy: atitude/Longitude: uad Summary: ipon (3712162), Ver ATION SYSTEM (M/ ECORDS FROM M\ RY (UNIVERSITY C | ECTED 4 NOV 1932 BY RC 1 mile 37.64776 / -121.25945 halis (3712163) ANIS) - PRINTOUT OF NEC /Z. 2005-01-05 | DBERT T. O | ORR. Area (acres): Elevation (feet): | 0 50 RECORDS |



California Department of Fish and Wildlife



| Map Index Nun | nber: | 11692 | | EO Index: | | 23798 | |
|---|--|--|--|--|-------------|---|--------------|
| Key Quad: | | Vernalis (3712 | 2163) | Element Code: | | AMAFF08081 | |
| Occurrence Nu | ccurrence Number: 4 | | | Occurrence Last U | pdated: | 2005-01-31 | |
| Scientific Name | e: Neo | otoma fuscipes | riparia | Common Name: | riparian (= | =San Joaquin Valley) woodrat | |
| Listing Status: | : | Federal: | Endangered | Rare Plant Rank: | | | |
| | | State: | None | Other Lists: | CDFW_S | SC-Species of Special Concern | |
| CNDDB Elemei | nt Ranks: | Global: | G5T1Q | | | | |
| | | State: | S1 | | | | |
| General Habita | at: | | | Micro Habitat: | | | |
| RIPARIAN ARE TUOLUMNE RI' | | G THE SAN JO | DAQUIN, STANISLAUS & | NEED AREAS WITH NESTING SITES IN | - | BRUSH & TREES. NEED SUITAE SNAGS OR LOGS. | BLE |
| Last Date Obse | erved: 1 | 1935-10-19 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Da | ate: 1 | 1935-10-19 | | Occurrence Rank: | Unknow | n | |
| Owner/Manage | ər: l | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | F | Presumed Exta | ant | | | | |
| | | | | | | | |
| Location: | | | | | | | |
| | RIVER, 3 | MI NE VERNA | LIS. | | | | |
| SAN JOAQUIN | | MI NE VERNA | LIS. | | | | |
| SAN JOAQUIN Detailed Locati | ion: | | LIS. 9 BY MANIS FALL WITHIN THIS C | CIRCLE AND HAVE AN UN | CERTAIN | TY OF 0.75 MILES. | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO | ion: | | | CIRCLE AND HAVE AN UN | CERTAINT | TY OF 0.75 MILES. | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: | ion: | | | CIRCLE AND HAVE AN UN | CERTAINT | TY OF 0.75 MILES. | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: | ion: | | | CIRCLE AND HAVE AN UN | CERTAINT | TY OF 0.75 MILES. | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: | ion: ORDINATE | ES PROVIDED | | | - | | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: MVZ #68794-68 | ion: ORDINATE 8798. 3 MA | ES PROVIDED | BY MANIS FALL WITHIN THIS C | | - | DAVID H. JOHNSON. | 0 |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: MVZ #68794-68 PLSS: T03S, | ion: ORDINATE 8798. 3 MA R06E, Sec | ES PROVIDED | BY MANIS FALL WITHIN THIS C | T 1935 BY EMMETT T. HO | - | DAVID H. JOHNSON. Area (acres): | 0 25 |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: MVZ #68794-68 PLSS: T03S, UTM: Zone-1 | ion: ORDINATE 8798. 3 MA R06E, Sec 10 N41703 | ES PROVIDED ALES AND 2 Ff c. 13 (M) | BY MANIS FALL WITHIN THIS O EMALES COLLECTED 18-19 OC ⁻ Accuracy: | T 1935 BY EMMETT T. HO 1 mile | - | DAVID H. JOHNSON. Area (acres): | |
| Ecological: Threats: General: MVZ #68794-68 PLSS: T03S, | ion: ORDINATE 8798. 3 MA R06E, Sec 10 N41703 ary: | ES PROVIDED ALES AND 2 Ff c. 13 (M) | BY MANIS FALL WITHIN THIS O EMALES COLLECTED 18-19 OC Accuracy: Latitude/Longitude: | T 1935 BY EMMETT T. HO 1 mile 37.66770 / -121.25521 | - | DAVID H. JOHNSON. Area (acres): | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: MVZ #68794-68 PLSS: T03S, UTM: Zone-1 County Summa San Joaquin, St | ion: ORDINATE 8798. 3 MA R06E, Sec 10 N41703 ary: | ES PROVIDED ALES AND 2 Ff c. 13 (M) | BY MANIS FALL WITHIN THIS C EMALES COLLECTED 18-19 OC Accuracy: Latitude/Longitude: Quad Summary: | T 1935 BY EMMETT T. HO 1 mile 37.66770 / -121.25521 | - | DAVID H. JOHNSON. Area (acres): | |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: MVZ #68794-68 PLSS: T03S, UTM: Zone-1 County Summa San Joaquin, St Sources: | ion: ORDINATE 8798. 3 MA R06E, Sec 10 N41703 ary: tanislaus MAMM/ | ES PROVIDED ALES AND 2 Ff c. 13 (M) 379 E653882 AL NETWORK | BY MANIS FALL WITHIN THIS C EMALES COLLECTED 18-19 OC Accuracy: Latitude/Longitude: Quad Summary: | T 1935 BY EMMETT T. HO 1 mile 37.66770 / -121.25521 nalis (3712163) NNIS) - PRINTOUT OF NEC | OPER & D | DAVID H. JOHNSON. Area (acres): Elevation (feet): | 25 |
| SAN JOAQUIN Detailed Locati LAT/LONG COO Ecological: Threats: General: MVZ #68794-68 PLSS: T03S, UTM: Zone-1 County Summa | ion: ORDINATE 8798. 3 MA R06E, Sec 10 N41703 ary: tanislaus MAMM/ FROM I MVZ SF | ES PROVIDED ALES AND 2 FR c. 13 (M) 579 E653882 AL NETWORK MANIS. THIS I PECIMEN DAT | BY MANIS FALL WITHIN THIS C EMALES COLLECTED 18-19 OC Accuracy: Latitude/Longitude: Quad Summary: Ripon (3712162), Verr | T 1935 BY EMMETT T. HO 1 mile 37.66770 / -121.25521 malis (3712163) MIS) - PRINTOUT OF NEC Z. 2005-01-05 F CALIFORNIA, BERKELE | OPER & D | DAVID H. JOHNSON. Area (acres): Elevation (feet): USCIPES RIPARIA SPECIMEN R | 25 ECORDS |





| Map Index Num Key Quad: | | | - | | | | | | | | |
|---|--|---|--|---|--|--|---|--|---|---|--|
| (av Quad | nber: | 48806 | | | | | EO Index: | | 48806 | | |
| tey wudu. | | Tracy (37 | 712164 | 4) | | | Element Code: | | AMAJA03041 | | |
| Occurrence Nu | imber: | 37 | | | | | Occurrence Last | Updated: | 2007-01-17 | | |
| Scientific Name | e: Vι | lpes macr | otis mı | utica | | | Common Name: | San Joac | uin kit fox | | |
| Listing Status: | | Feder | ral: | Endange | ered | | Rare Plant Rank: | | | | |
| | | State | : | Threater | ned | | Other Lists: | | | | |
| NDDB Elemer | nt Ranks | : Globa | al: | G4T2 | | | | | | | |
| | | State | : | S2 | | | | | | | |
| eneral Habita | t: | | | | | | Micro Habitat: | | | | |
| NNUAL GRAS | | | SSY O | PEN STA | GES WITH SCA | TTERED | D NEED LOOSE-TE SUITABLE PREY | | NDY SOILS FOR BU | IRROWING | G, AND |
| ast Date Obse | erved: | 1991-11-2 | 27 | | | | Occurrence Type | : Natural/ | Native occurrence | | |
| ast Survey Da. | ate: | 1991-11-2 | 27 | | | | Occurrence Rank | : Good | | | |
| wner/Manage | er: | UNKNOW | /N, PV | Т | | | Trend: | Unknow | n | | |
| resence: | | Presumed | l Extar | nt | | | | | | | |
| ocation: | | | | | | | | | | | |
| .5 MILES SSW | / OF TRA | CY; ALON | IG CO | RRAL HC | OLLOW ROAD AF | PROX | 0.5 MILE WEST OF I-58 | 30. | | | |
| etailed Locati | ion: | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | CH HOUSE." 1/4 OF 1/4 & DEN SOMETIME FR | | | | |
| Y SOURCE. S cological: | IGHTING | /ROAD KI | ILL/DE | N PRIOR | TO 1972; 2 SIGI | HTINGS | S& DEN SOMETIME FR | OM 1972 TO | D JUL 1975 ACCORD | NG TO M | ORRELL. |
| BY SOURCE. S Cological: | SIGHTING | S/ROAD KI | ILL/DE DISTU | N PRIOR | TO 1972; 2 SIGH REEK CHANNEL | HTINGS | S& DEN SOMETIME FR | :OM 1972 TO W 1/4 OF SI | D JUL 1975 ACCORD | NING TO M | ORRELL. ENTLE |
| BY SOURCE. S E cological: NNUAL GRAS BLOPE, GRASS | SIGHTING | S/ROAD KI | ILL/DE DISTU | N PRIOR | TO 1972; 2 SIGH REEK CHANNEL | HTINGS | S& DEN SOMETIME FR | :OM 1972 TO W 1/4 OF SI | D JUL 1975 ACCORD | NING TO M | ORRELL. ENTLE |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: | SIGHTING | S/ROAD KI | ILL/DE DISTU | N PRIOR | TO 1972; 2 SIGH REEK CHANNEL | HTINGS | S& DEN SOMETIME FR | :OM 1972 TO W 1/4 OF SI | D JUL 1975 ACCORD | NING TO M | ORRELL. ENTLE |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: sieneral: SIGHTING IN | SIGHTING SES IN / SLAND, M | (ROAD KI HIGHLY O ROCK (IN 1969, | ILL/DE DISTU OR BF | N PRIOR IRBED CI RUSH CO KS, SCA | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING | HTINGS . (PREVI UND SQ S IN VIC | S& DEN SOMETIME FR | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO | DING TO M D HAVE GE DR TO GOO | ORRELL. ENTLE DD. |
| SY SOURCE. S cological: NNUAL GRAS SLOPE, GRASS Threats: General: SIGHTING IN DBS 10 MAY 19 | SIGHTING SES IN / SLAND, N VICINITY 987. 1 AE | G/ROAD KI A HIGHLY IO ROCK Y IN 1969, DULT & TR | ILL/DE DISTU OR BF | N PRIOR IRBED CI RUSH CO KS, SCA | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING | HTINGS . (PREVI UND SQ S IN VIC IVIDUAL | S& DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO |) have ge d have ge r to goo y 1983. 1 | ORRELL. ENTLE DD. |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: seneral: SIGHTING IN BS 10 MAY 19 LSS: T03S, I | SIGHTING SES IN / SLAND, N VICINIT 987. 1 AE R05E, Se | G/ROAD KI A HIGHLY IO ROCK Y IN 1969, DULT & TR | ILL/DE DISTU OR BF TRAC | N PRIOR IRBED CI RUSH CO KS, SCA | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND | HTINGS . (PREVI JND SQ S IN VIC IVIDUAL | S & DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK LS OBS AT ON 27 NOV | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT |) HAVE GE R TO GOO Y 1983. 1 C res): | ORRELL. ENTLE DD. INDIVIDUAL |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: sightring in DBS 10 MAY 19 LSS: T03S, I TM: Zone-1 | SIGHTING SES IN / SLAND, N VICINITY 987. 1 AE R05E, Se 10 N4168 | 5/ROAD KI A HIGHLY IO ROCK Y IN 1969, JULT & TR EC. 19 (M) | ILL/DE DISTU OR BF TRAC | N PRIOR IRBED CI RUSH CO KS, SCA | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: | HTINGS (PREVI UND SQ S IN VIC IVIDUAL | & DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac |) HAVE GE R TO GOO Y 1983. 1 C res): | ORRELL. ENTLE DD. INDIVIDUAL 331 |
| BY SOURCE. S Cological: NNUAL GRAS SLOPE, GRASS Threats: SIGHTING IN DBS 10 MAY 19 PLSS: T03S, I JTM: Zone-1 County Summa | SIGHTING SES IN / SLAND, N VICINITY 987. 1 AE R05E, Se 10 N4168 | 5/ROAD KI A HIGHLY IO ROCK Y IN 1969, JULT & TR EC. 19 (M) | ILL/DE DISTU OR BF TRAC | N PRIOR IRBED CI RUSH CO KS, SCA | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit | HTINGS . (PREVI JND SQ S IN VIC IVIDUAL | & DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac |) HAVE GE R TO GOO Y 1983. 1 C res): | ORRELL. ENTLE DD. INDIVIDUAL 331 |
| BY SOURCE. S Cological: NNUAL GRAS SLOPE, GRASS Threats: General: SIGHTING IN DBS 10 MAY 19 PLSS: T03S, 1 | SIGHTING SES IN / SLAND, N VICINITY 987. 1 AE R05E, Se 10 N4168 | 5/ROAD KI A HIGHLY IO ROCK Y IN 1969, JULT & TR EC. 19 (M) | ILL/DE DISTU OR BF TRAC | N PRIOR IRBED CI RUSH CO KS, SCA | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit Quad Summary | HTINGS . (PREVI JND SQ S IN VIC IVIDUAL | & DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac |) HAVE GE R TO GOO Y 1983. 1 C res): | ORRELL. ENTLE DD. INDIVIDUAL 331 |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: SIGHTING IN BS 10 MAY 19 LSS: T03S, 1 TM: Zone-1 county Summa an Joaquin ources: | VICINIT SLAND, N VICINIT 987. 1 AE R05E, Se 10 N4168 ary: | 5/ROAD KI A HIGHLY IO ROCK / IN 1969, ULT & TR c. 19 (M) 537 E6364 | ILL/DE DISTL OR BF TRAC ACKS | N PRIOR IRBED CI RUSH CO KS, SCA OBS 19 . | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit Quad Summary Tracy (3712164) | HTINGS . (PREVI JND SQ S IN VIC IVIDUAL | & DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area | :OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S 1991. | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac Elevatio |) HAVE GE R TO GOO Y 1983. 1 C res): | ORRELL. ENTLE DD. INDIVIDUAL 331 |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: seneral: SIGHTING IN BS 10 MAY 19 LSS: T03S, I TM: Zone-1 county Summa an Joaquin ources: EL91F0002 | VICINIT SLAND, N VICINIT 2987. 1 AE R05E, Se 10 N4168 ary: BELL, EIP AS | (ROAD KI A HIGHLY IO ROCK (IN 1969, ULT & TR C. 19 (M) 537 E6364 H. & J. AL SOCIATE | UISTU OR BF TRAC ACKS 401 | N PRIOR IRBED CI RUSH CO KS, SCA OBS 19 OBS 19 | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit Quad Summary Tracy (3712164) SURVEY FORM VERIFIED KIT FOR | HTINGS . (PREVI JND SQ S IN VIC IVIDUAL | & DEN SOMETIME FR IOUSLY DREDGED). S UIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area 37.65387 / -121.45369 | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S 1991. ITICA 1991- FROM AN | D JUL 1975 ACCORD E 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac Elevatio | D HAVE GE D HAVE GE TO GOO TY 1983. 1 cres): | ORRELL. ENTLE DD. INDIVIDUAL 331 320 |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: eneral: SIGHTING IN BS 10 MAY 19 LSS: T03S, I TM: Zone-1 ounty Summa an Joaquin ources: EL91F0002 IP91M0001 | VICINIT SLAND, N VICINIT 987. 1 AE R05E, Se I0 N4168 ary: BELL, EIP AS DOCU | KOAD KI HIGHLY ROCK IN 1969, ULT & TR C. 19 (M) 537 E6364 H. & J. AL SSOCIATE MENT - O | ILL/DE DISTU OR BF TRAC ACKS 401 VARE S - PR BTAIN | N PRIOR IRBED CI RUSH CO KS, SCA OBS 19 OBS 19 Z - FIELD REVIOUS ED AT A | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit Quad Summary Tracy (3712164) SURVEY FORM VERIFIED KIT FI SAN JOAQUIN K | HTINGS . (PREVI UND SQ S IN VIC IVIDUAL : ude: <i>;</i>) I FOR V OX SIGI (IT FOX | E & DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK -S OBS AT ON 27 NOV nonspecific area 37.65387 / -121.45369 | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S 1991. ITICA 1991- FROM AN 1993. 1991- | D JUL 1975 ACCORD 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac Elevatio 11-27 JNIDENTIFIED ENVII XX-XX | NING TO M D HAVE GE R TO GOO TY 1983. 1 cres): on (feet): | ORRELL. ENTLE DD. INDIVIDUAL 331 320 |
| Y SOURCE. S cological: NNUAL GRAS LOPE, GRASS hreats: seneral: SIGHTING IN BS 10 MAY 19 LSS: T03S, I TM: Zone-1 county Summa an Joaquin ources: EL91F0002 IP91M0001 | VICINIT SLAND, N VICINIT 2987. 1 AE R05E, Se 10 N4168 ary: BELL, EIP AS DOCU MORR | G/ROAD KI A HIGHLY IO ROCK / IN 1969, ULT & TR 0c. 19 (M) 537 E6364 H. & J. AL SSOCIATE MENT - O ELL, S.H. | ILL/DE DISTL OR BF TRAC ACKS 401 VARE S - PR BTAIN - MAP | N PRIOR IRBED CI RUSH CO KS, SCA OBS 19 OBS 19 Z - FIELD EVIOUS ED AT A S (6) SHO | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit Quad Summary Tracy (3712164) SURVEY FORM VERIFIED KIT FI SAN JOAQUIN K DWING SAN JOA | HTINGS . (PREVI JND SQ S IN VIC IVIDUAL | A DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION SUIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area 37.65387 / -121.45369 ULPES MACROTIS ML HTINGS (1973-1990?) - MEETING ON MAY 7, | OM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S 1991. ITICA 1991- FROM AN 1993. 1991- AND ABUN | D JUL 1975 ACCORD 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac Elevatio 11-27 JNIDENTIFIED ENVII XX-XX IDANCE IN 1975. 197 | NING TO M D HAVE GE R TO GOO TY 1983. 1 cres): on (feet): | ORRELL. ENTLE DD. INDIVIDUAL 331 320 |
| BY SOURCE. S cological: NNUAL GRAS SLOPE, GRASS Threats: SIGHTING IN DBS 10 MAY 19 PLSS: T03S, I JTM: Zone-1 County Summa San Joaquin | VICINIT SLAND, N VICINIT 987. 1 AE R05E, Se 10 N4168 ary: BELL, EIP AS DOCU MORR MULL | KOAD KI HIGHLY ROCK IN 1969, ULT & TR C. 19 (M) 537 E6364 H. & J. AL SOCIATE MENT - O ELL, S.H. EN, D.A. & | UILL/DE DISTU OR BF TRAC ACKS 401 VARE S - PR BTAIN - MAP | N PRIOR IRBED CI RUSH CO KS, SCA OBS 19 OBS 19 Z - FIELD REVIOUS ED AT A S (6) SHO EMAN - F | TO 1972; 2 SIGH REEK CHANNEL VER, AND GROU T & 2 SIGHTING JUN 1991. 2 IND Accuracy: Latitude/Longit Quad Summary Tracy (3712164) SURVEY FORM VERIFIED KIT FORM VERIFIED KIT FORM VERIFIED KIT FORM SAN JOAQUIN KOMING SAN JOA | HTINGS (PREVI UND SQ S IN VIC IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL CUDE: (IVIDUAL (IVIDUAL CUDE: (IVIDUAL (IVI | S& DEN SOMETIME FR IOUSLY DREDGED). S QUIRREL POPULATION CINITY IN 1973. TRACK S OBS AT ON 27 NOV nonspecific area 37.65387 / -121.45369 ULPES MACROTIS ML HTINGS (1973-1990?) - MEETING ON MAY 7, KIT FOX DISTRIBUTION | XOM 1972 TO W 1/4 OF SI S. SITE QU S, SCATS, S 1991. ITICA 1991- FROM AN 1 1993. 1991- N AND ABUN IS MUTICA | D JUL 1975 ACCORD 1/4 OF SEC 19 & 20 ALITY RANGES POO SIGHTING IN VICINIT Area (ac Elevatio 11-27 JNIDENTIFIED ENVII XX-XX IDANCE IN 1975. 197 1991-06-19 | PING TO M D HAVE GE R TO GOO TY 1983. 1 cres): on (feet): RONMENT 75-XX-XX | ORRELL. ENTLE DD. INDIVIDUAL 331 320 FAL |





| Map Index Number: | 67247 | | EO Index: | 674 | 109 | |
|---------------------------------------|------------------|---------------------------|---------------------------------------|-------------------------------------|--------------------|--------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | AM | AJA03041 | |
| Occurrence Number: | 547 | | Occurrence Last U | Occurrence Last Updated: 2006-11-28 | | |
| Scientific Name: V | ulpes macrotis n | nutica | Common Name: | San Joaquin k | it fox | |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | | | |
| | State: | Threatened | Other Lists: | | | |
| CNDDB Element Rank | s: Global: | G4T2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERI | ED NEED LOOSE-TEX SUITABLE PREY B/ | | SOILS FOR BURROWIN | G, AND |
| Last Date Observed: | 1991-06-15 | | Occurrence Type: | Natural/Nativ | e occurrence | |
| Last Survey Date: | 1991-06-15 | | Occurrence Rank: | Fair | | |
| Owner/Manager: | PVT | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| TRACY MUNICIPAL AI | RPORT. | | | | | |
| Detailed Location: | | | | | | |
| SIGHTED AT THE ENT | RANCE GATE T | O THE PARKING LOT. | | | | |
| Ecological: | | | | | | |
| PAVED PARKING LOT. Threats: | | | | | | |
| | | EA COULD PREVENT FORAGIN | G | | | |
| General: | | | 0. | | | |
| 1 INDIVIDUAL OBSER | /ED ON 15 JUN | 1991. | | | | |
| PLSS: T03S, R05E, S | ec. 08 (M) | Accuracy: | 80 meters | | Area (acres): | 0 |
| UTM: Zone-10 N417 | . , | Latitude/Longitude: | 37.68897 / -121.43460 | | Elevation (feet): | 175 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| | | | | | | |





| Map Index Number: | 67249 | | EO Index: | 67411 |
|--|------------------|---|--|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | AMAJA03041 |
| ccurrence Number: 549 | | | Occurrence Last Up | odated: 2006-12-05 |
| Scientific Name: V | ulpes macrotis n | nutica | Common Name: | San Joaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Ranks | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLANDS SHRUBBY VEGETATIO | | OPEN STAGES WITH SCATTERE | ED NEED LOOSE-TEXT SUITABLE PREY BA | URED SANDY SOILS FOR BURROWING, AND SE. |
| Last Date Observed: | 1991-09-17 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1991-09-17 | | Occurrence Rank: | Excellent |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| VCB RANCH, ABOUT 0 | .8 MI SE OF TH | E JUNCTION OF HWY 132 WITH | INTERSTATE 580. | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| NARROW OPENING TH | IROUGH GRAS | SLANDS. | | |
| Threats: | | | | |
| General: | | | | |
| BREEDING, FORAGING 1991. | AND DENNIN | G SITE. 2 SIGHTINGS DURING C | ARNEGIE "NEW TOWN" SI | JRVEY IN 1983. 1 ADULT OBSERVED ON 17 SEI |
| PLSS: T03S, R05E, S | ec. 35 (M) | Accuracy: | 80 meters | Area (acres): 0 |
| UTM: Zone-10 N416 | 5918 E641673 | Latitude/Longitude: | 37.62948 / -121.39445 | Elevation (feet): 340 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Tracy (3712164) | | |
| Sources: | | | | |
| | | REVIOUS VERIFIED KIT FOX SIGNED AT A SAN JOAQUIN KIT FO | | ROM AN UNIDENTIFIED ENVIRONMENTAL 93. 1991-XX-XX |
| | | | · · · · · · · · · · · · · · · · · · · | |





| Map Index Number: | 67266 | | EO Index: | 67426 |
|---------------------------------------|------------------|----------------------------|--|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | AMAJA03041 |
| Occurrence Number: | 562 | | Occurrence Last Up | odated: 2006-11-29 |
| Scientific Name: V | ulpes macrotis m | nutica | Common Name: | San Joaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Ranks | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERE | ED NEED LOOSE-TEXT SUITABLE PREY BA | URED SANDY SOILS FOR BURROWING, AND SE. |
| Last Date Observed: | 1991-08-15 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1991-08-15 | | Occurrence Rank: | Poor |
| Owner/Manager: | PVT-LYON'S D | EVEL CO | Trend: | Unknown |
| Presence: | Presumed Exta | int | | |
| Location: | | | | |
| ABOUT 2.4 MI S OF TR | ACY, 0.2 MI SE | OF INTERSECTION OF VALPICO | O RD AND JEFFERSON RE |). |
| Detailed Location: | | | | |
| Ecological: | | | | |
| OPEN, RECENTLY DIS | KED GRASSLAI | ND AND NOW CROP LAND. | | |
| Threats: | | | | |
| DEVELOPMENT. | | | | |
| General: | | | | |
| TRACKS RECOVERED | FROM BAITED | SCENT STATIONS 13-15 AUG 1 | 991. | |
| PLSS: T03S, R05E, S | ec. 04 (M) | Accuracy: | 80 meters | Area (acres): 0 |
| UTM: Zone-10 N4174 | 4607 E638208 | Latitude/Longitude: | 37.70829 / -121.43206 | Elevation (feet): 130 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Tracy (3712164) | | |
| | | | | |





| Map Index Number: | 67267 | | EO Index: | 67427 |
|--|------------------|-----------------------------|--|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | AMAJA03041 |
| Occurrence Number: | 563 | | Occurrence Last U | pdated: 2006-11-29 |
| Scientific Name: V | ulpes macrotis n | nutica | Common Name: | San Joaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Ranks | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLANDS SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERE | ED NEED LOOSE-TEXT SUITABLE PREY BA | TURED SANDY SOILS FOR BURROWING, ANE ASE. |
| Last Date Observed: | 1991-08-15 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1991-08-15 | | Occurrence Rank: | Poor |
| Owner/Manager: | PVT-LYON'S D | EVEL CO | Trend: | Unknown |
| Presence: | Presumed Exta | int | | |
| Location: | | | | |
| ABOUT 3.2 MI S OF TR | ACY, 0.8 MI W (| OF CARBONA, JUST N OF RAILF | ROAD TRACKS. | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| OPEN, RECENTLY DIS | KED GRASSLA | ND AND NOW CROP LAND. | | |
| Threats: | | | | |
| DEVELOPMENT. | | | | |
| General: | | | | |
| TRACKS RECOVERED | FROM BAITED | SCENT STATIONS 13-15 AUG 1 | 991. | |
| PLSS: T03S, R05E, S | ec. 04 (M) | Accuracy: | 80 meters | Area (acres): 0 |
| UTM: Zone-10 N4173 | 3345 E638692 | Latitude/Longitude: | 37.69684 / -121.42681 | Elevation (feet): 130 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Tracy (3712164) | | |
| Sources: | | | | |





| Map Index Number: | 67268 | | EO Index: | 67428 |
|--|--|--|--|--|
| Key Quad: | Tracy (371216 | 54) | Element Code: | AMAJA03041 |
| Occurrence Number: | 564 | | Occurrence Last Updated: | 2006-12-05 |
| Scientific Name: V | /ulpes macrotis m | nutica | Common Name: San Jo | aquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Rank | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERE | D NEED LOOSE-TEXTURED SUITABLE PREY BASE. | SANDY SOILS FOR BURROWING, AND |
| ast Date Observed: | 1991-06-19 | | Occurrence Type: Natura | al/Native occurrence |
| ast Survey Date: | 1991-06-19 | | Occurrence Rank: Poor | |
| Owner/Manager: | PVT | | Trend: Unkno | own |
| Presence: | Presumed Exta | ant | | |
| ocation: | | | | |
| BOUT 1.2 MI SSW OF | INTERSECTION | N OF I-580 AND JEFFERSON RD | | |
| Detailed Location: | | | | |
| SIGHTING AND DEN IN BY SWICK IN 1973. | VICINITY SOM | ETIME FROM 1972 THROUGH JI | JL 1975 AS REPORTED BY MORF | RELL. POSSIBLY THE SAME SIGHTINGS AS |
| Ecological: | | | | |
| GRAZED GRASSLAND | S UNDER PG&E | POWERLINES. | | |
| hreats: | | | | |
| | INC | | | |
| CATTLE/SHEEP GRAZ | ing. | | | |
| General: | | | | |
| General: INDIVIDUAL & ACTIV | 'EN DEN SIGHTE | ED IN VICINITY IN 1973. SCAT & ENT STATION ON 19 JUN 1991. | SIGHTINGS IN VICINITY IN CARN | IEGIE "NEW TOWN" SURVEYS IN 1983. 1 |
| General: I INDIVIDUAL & ACTIV ADULT & TRACKS OBS | 'EN DEN SIGHTE SERVED AT SCE | | SIGHTINGS IN VICINITY IN CARN 80 meters | IEGIE "NEW TOWN" SURVEYS IN 1983. 1 Area (acres): 0 |
| General: INDIVIDUAL & ACTIV ADULT & TRACKS OBS PLSS: T03S, R05E, S | 'EN DEN SIGHTE SERVED AT SCE Sec. 29 (M) | ENT STATION ON 19 JUN 1991. | | |
| General: INDIVIDUAL & ACTIV ADULT & TRACKS OBS PLSS: T03S, R05E, S JTM: Zone-10 N416 | 'EN DEN SIGHTE SERVED AT SCE Sec. 29 (M) | ENT STATION ON 19 JUN 1991. Accuracy: | 80 meters | Area (acres): 0 |
| General: INDIVIDUAL & ACTIV DULT & TRACKS OB PLSS: T03S, R05E, S ITM: Zone-10 N416 County Summary: | 'EN DEN SIGHTE SERVED AT SCE Sec. 29 (M) | ENT STATION ON 19 JUN 1991. Accuracy: Latitude/Longitude: | 80 meters | Area (acres): 0 |
| General: INDIVIDUAL & ACTIV DULT & TRACKS OBS PLSS: T03S, R05E, S JTM: Zone-10 N416 County Summary: Gan Joaquin | 'EN DEN SIGHTE SERVED AT SCE Sec. 29 (M) | ENT STATION ON 19 JUN 1991. Accuracy: Latitude/Longitude: Quad Summary: | 80 meters | Area (acres): 0 |
| General: I INDIVIDUAL & ACTIV ADULT & TRACKS OBS PLSS: T03S, R05E, S JTM: Zone-10 N416 County Summary: San Joaquin Sources: EIP91M0001 EIP A | /EN DEN SIGHTE SERVED AT SCE Sec. 29 (M) 7299 E637263 | ENT STATION ON 19 JUN 1991. Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) PREVIOUS VERIFIED KIT FOX SIG | 80 meters 37.64259 / -121.44415 | Area (acres): 0 Elevation (feet): 520 |
| ADULT & TRACKS OB PLSS: T03S, R05E, S JTM: Zone-10 N416 County Summary: San Joaquin Sources: EIP91M0001 EIP A DOCI | VEN DEN SIGHTE SERVED AT SCE Sec. 29 (M) 7299 E637263 SSOCIATES - P UMENT - OBTAI | ENT STATION ON 19 JUN 1991. Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) PREVIOUS VERIFIED KIT FOX SIG NED AT A SAN JOAQUIN KIT FOX | 80 meters 37.64259 / -121.44415 GHTINGS (1973-1990?) - FROM AI | Area (acres): 0 Elevation (feet): 520 |





| Map Index Number: | 67270 | | EO Index: | 67430 |
|---------------------------------------|-------------------|-------------------------------|--|---|
| Key Quad: | Solyo (371215 | 53) | Element Code: | AMAJA03041 |
| Occurrence Number: | 566 | | Occurrence Last Up | odated: 2007-01-17 |
| Scientific Name: | /ulpes macrotis n | nutica | Common Name: | San Joaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Rank | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIO | | OPEN STAGES WITH SCATTERI | ED NEED LOOSE-TEXT SUITABLE PREY BA | URED SANDY SOILS FOR BURROWING, AND SE. |
| Last Date Observed: | 1973-XX-XX | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1973-XX-XX | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| ABOUT 1 MI WSW OF | INTERSECTION | OF I-5 AND I-580. | | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| SCAT OBSERVED AT THROUGH JUL 1975. | UNKNOWN DAT | E IN VICINITY. 1 FOX AND 1 AC | TIVE DEN SIGHTED IN 197 | 3. 2 SIGHTINGS AND DEN SOMETIME FROM 19 |
| PLSS: T04S, R06E, S | Sec. 07 (M) | Accuracy: | nonspecific area | Area (acres): 883 |
| UTM: Zone-10 N416 | 2418 E645123 | Latitude/Longitude: | 37.59740 / -121.35606 | Elevation (feet): 420 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Solyo (3712153) | | |
| Sources: | | | | |
| | | | () | ROM AN UNIDENTIFIED ENVIRONMENTAL |
| DOC | UNIENT - UDTAI | NED AT A SAN JOAQUIN KIT FO | WEETING ON WAT 7, 19 | JJ. 1JJ1-AA-AA |
| MOR75M0001 MOR | RELL SH - MA | PS (6) SHOWING SAN JOAOLIIN | Ι ΚΙΤ ΕΩΧ DISTRIBUTION Δ | ND ABUNDANCE IN 1975. 1975-XX-XX |



California Natural Diversity Database



| Map Index Number: | 67271 | | EO Index: | 67431 |
|--|------------------|-------------------------------|---|------------------------------------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | AMAJA03041 |
| Occurrence Number: | 567 | | Occurrence Last Updated | 1 : 2007-01-17 |
| Scientific Name: V | ulpes macrotis n | nutica | Common Name: San J | loaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Rank | s: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTER | ED NEED LOOSE-TEXTURED SUITABLE PREY BASE. | SANDY SOILS FOR BURROWING, AND |
| Last Date Observed: | 1991-XX-XX | | Occurrence Type: Natu | ral/Native occurrence |
| Last Survey Date: | 1991-XX-XX | | Occurrence Rank: Unkr | nown |
| Owner/Manager: | UNKNOWN | | Trend: Unkr | nown |
| Presence: | Presumed Exta | ant | | |
| _ocation: | | | | |
| SW OF TRACY MUNIC | PAL AIRPORT, | E OF I-580. | | |
| Detailed Location: | | | | |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| ROAD KILLED INDIVID WILDLIFE SERVICE IN | | D IN 1971. SIGHTING, ROAD KIL | L OR DEN PRIOR TO 1972. ANO | THER ROAD KILL REPORTED TO US FISH |
| PLSS: T03S, R05E, S | ec. 17 (M) | Accuracy: | 2/5 mile | Area (acres): 0 |
| UTM: Zone-10 N417 | 0630 E636759 | Latitude/Longitude: | 37.67268 / -121.44923 | Elevation (feet): 240 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Tracy (3712164) | | |
| Sources: | | | | |
| | | | | AN UNIDENTIFIED ENVIRONMENTAL |
| DOCI | JMENT - OBTAI | NED AT A SAN JOAQUIN KIT FC | X MEETING ON MAY 7, 1993. 19 | 91-XX-XX |
| MOR75M0001 MOR | | | | BUNDANCE IN 1975. 1975-XX-XX |

SWI73R0001 SWICK, C.D. - DETERMINATION OF SAN JOAQUIN KIT FOX RANGE IN CCA, SJQ, ALA & TUL COUNTIES, CDFG 1973-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 67272 | | EO Index: | 67432 |
|--|---|---|--|---|
| Key Quad: | Midway (371 | 2165) | Element Code: | AMAJA03041 |
| Occurrence Numbe | ce Number: 568 Occurrence Last Updated: | | : 2007-01-17 | |
| Scientific Name: | Vulpes macrotis | mutica | Common Name: San J | oaquin kit fox |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | |
| | State: | Threatened | Other Lists: | |
| CNDDB Element Ra | anks: Global: | G4T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| ANNUAL GRASSLA SHRUBBY VEGETA | | OPEN STAGES WITH SCATTERI | ED NEED LOOSE-TEXTURED SUITABLE PREY BASE. | SANDY SOILS FOR BURROWING, AND |
| Last Date Observed | d: 1973-XX-XX | | Occurrence Type: Natu | ral/Native occurrence |
| Last Survey Date: | 1973-XX-XX | | Occurrence Rank: Unkr | nown |
| Owner/Manager: | UNKNOWN | | Trend: Unkr | nown |
| Presence: | Presumed Ext | tant | | |
| Location: | | | | |
| ABOUT 6 MI SW OF | TRACY, WHERE | WESTERN PACIFIC RAILROAD II | NTERSECTS I-580. | |
| Detailed Location: | | | | |
| SIGHTING, ROAD K | ILL OR DEN PRIC | R TO 1972; SIGHTING AND DEN | SOMETIME FROM 1972 THROUG | GH JUL 1975 REPORTED BY MORRELL. |
| Ecological: | | | | |
| Threats: | | | | |
| General: | | | | |
| 1 ACTIVE DEN OBS | | I SIGHTING & 2 ACTIVE DENS OE 989. DENS & SCAT OBS IN VICIN | | /ICINITY REPORTED TO LLNL IN 1986, VILDLIFE SERVICE IN 1991. |
| | | | | |
| | ∃, Sec. 03 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| ALAMEDA CO. PLA PLSS: T03S, R04E | E, Sec. 03 (M) 4173297 E630865 | Accuracy: Latitude/Longitude: | 1 mile 37.69756 / -121.51557 | Area (acres): 0 Elevation (feet): |
| ALAMEDA CO. PLA PLSS: T03S, R04E | | • | | |
| ALAMEDA CO. PLA PLSS: T03S, R04E UTM: Zone-10 N4 | | Latitude/Longitude: | 37.69756 / -121.51557 | |
| ALAMEDA CO. PLAI PLSS: T03S, R04E UTM: Zone-10 N4 County Summary: San Joaquin | | Latitude/Longitude: Quad Summary: | 37.69756 / -121.51557 | |
| ALAMEDA CO. PLAI PLSS: T03S, R04E UTM: Zone-10 N4 County Summary: San Joaquin Sources: EIP91M0001 EI | P ASSOCIATES - 1 | Latitude/Longitude: Quad Summary: Tracy (3712164), Midv | 37.69756 / -121.51557 way (3712165) GHTINGS (1973-1990?) - FROM / | Elevation (feet): |
| ALAMEDA CO. PLAI PLSS: T03S, R04E UTM: Zone-10 N4 County Summary: San Joaquin Sources: EIP91M0001 EI | P ASSOCIATES - DCUMENT - OBTA | Latitude/Longitude: Quad Summary: Tracy (3712164), Midv PREVIOUS VERIFIED KIT FOX SI | 37.69756 / -121.51557 way (3712165) GHTINGS (1973-1990?) - FROM A DX MEETING ON MAY 7, 1993. 19 | Elevation (feet): |



California Natural Diversity Database



| Map Index Number: | 67823 | | EO Index: | 67973 | |
|---------------------------------------|------------------|-----------------------------|--------------------------------------|----------------------------------|----------------------|
| Key Quad: | Tracy (37121 | 64) | Element Code: | AMAJA03041 | |
| Occurrence Number: | 938 | | Occurrence Last U | pdated: 2007-01-17 | |
| Scientific Name: V | ulpes macrotis r | nutica | Common Name: | San Joaquin kit fox | |
| Listing Status: | Federal: | Endangered | Rare Plant Rank: | | |
| | State: | Threatened | Other Lists: | | |
| CNDDB Element Rank | s: Global: | G4T2 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| ANNUAL GRASSLAND SHRUBBY VEGETATIC | | OPEN STAGES WITH SCATTERI | ED NEED LOOSE-TEX SUITABLE PREY B | TURED SANDY SOILS FOR BU ASE. | RROWING, AND |
| Last Date Observed: | 1975-07-XX | | Occurrence Type: | Natural/Native occurrence | |
| Last Survey Date: | 1975-07-XX | | Occurrence Rank: | Unknown | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | |
| Presence: | Presumed Ext | ant | | | |
| Location: | | | | | |
| ABOUT 6.9 MI S OF TR | ACY, 1.1 MI EN | IE OF INTERSECTION OF HWY 1 | 32 AND I-580. | | |
| Detailed Location: | | | | | |
| Ecological: | | | | | |
| Threats: | | | | | |
| General: | | | | | |
| SIGHTING SOMETIME | FROM 1972 TH | IROUGH JUL 1975. | | | |
| PLSS: T03S, R05E, S | Sec. 28 (M) | Accuracy: | 2/5 mile | Area (ac | res): 0 |
| UTM: Zone-10 N416 | 7193 E639281 | Latitude/Longitude: | 37.64133 / -121.42130 | Elevatio | n (feet): 340 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| Sources: | | | | | |

MOR75M0001 MORRELL, S.H. - MAPS (6) SHOWING SAN JOAQUIN KIT FOX DISTRIBUTION AND ABUNDANCE IN 1975. 1975-XX-XX



California Department of Fish and Wildlife



| Map Index Number: | 56593 | | EO Index: | | 56609 |
|---|---------------|--|-------------------------------------|----------|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | AMAJF04010 |
| Occurrence Number: | 75 | | Occurrence Last Updated: 2004-09-01 | | |
| Scientific Name: 7 | axidea taxus | | Common Name: | Americar | n badger |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | | SSC-Species of Special Concern |
| CNDDB Element Ranks | s: Global: | G5 | | IUCN_LC | C-Least Concern |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| MOST ABUNDANT IN E AND HERBACEOUS H/ | | AGES OF MOST SHRUB, FORE FRIABLE SOILS. | | | FRIABLE SOILS & OPEN, UNCULTIVATE OWING RODENTS. DIGS BURROWS. |
| Last Date Observed: | 1991-07-16 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1991-07-16 | | Occurrence Rank: | Fair | |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| EAST OF CORRAL HO | LLOW ROAD, 1. | 8 MILES DIRECTLY SOUTH OF E | BLACK BUTTE. | | |
| Detailed Location: | | | | | |
| NW 1/4 OF SE 1/4 SEC | TION 36. | | | | |
| Ecological: | | | | | |
| | F GRAZED GRA | ASSLAND. LAND CURRENTLY U | SED FOR CATTLE RANCH | IING. | |
| Threats: | | | | | |
| General: | | | | | |
| ACTIVE BURROW OBS | | | | | |
| PLSS: T03S, R04E, S | () | Accuracy: | 1/10 mile | | Area (acres): 0 |
| UTM: Zone-10 N416 | 5620 E634206 | Latitude/Longitude: | 37.62791 / -121.47910 | | Elevation (feet): 650 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| Can boaquin | | • • • | | | |



California Natural Diversity Database



| Map Index Number: | 56595 | | EO Index: | | 56611 |
|--------------------------------------|-----------------|---|-------------------------|------------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | | AMAJF04010 |
| Occurrence Number: | 76 | | Occurrence Last U | pdated: | 2004-09-01 |
| Scientific Name: | Taxidea taxus | | Common Name: | Americar | n badger |
| Listing Status: | Federal: | None | Rare Plant Rank: | | |
| | State: | None | Other Lists: | | SSC-Species of Special Concern |
| CNDDB Element Ran | ks: Global: | G5 | | IUCN_LC | C-Least Concern |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| MOST ABUNDANT IN AND HERBACEOUS I | | TAGES OF MOST SHRUB, FORE I FRIABLE SOILS. | | | FRIABLE SOILS & OPEN, UNCULTIVATE ROWING RODENTS. DIGS BURROWS. |
| Last Date Observed: | 1991-07-15 | | Occurrence Type: | Natural/ | /Native occurrence |
| Last Survey Date: | 1991-07-15 | | Occurrence Rank: | Poor | |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n |
| Presence: | Presumed Ext | tant | | | |
| Location: | | | | | |
| SOUTH OF CORRAL | HOLLOW ROAD | , 1 MILE NORTHEAST OF BLACK | BUTTE. | | |
| Detailed Location: | | | | | |
| OBSERVED AT CREE | K BED; SE 1/4 0 | OF NW 1/4 SECTION 19. MAPPED | ACCORDING TO LOCATION | ON SHOW | VN ON MAP. |
| Ecological: | | | | | |
| LOCATION CONSIST RANCHING AND SHE | | D AREAS OF OPEN GRASSLAN | D AND TAILINGS FROM MI | NING. LAI | ND CURRENTLY USED FOR CATTLE |
| Threats: | | | | | |
| General: | | | | | |
| AN ADULT BADGER AND FORAGING. | WAS OBSERVEI | D DURING NIGHT SPOTLIGHTIN | G SURVEY ON 15 JUL 1997 | 1. THIS AF | REA IS USED FOR DENNING, BREEDING |
| PLSS: T03S, R05E, | Sec. 19 (M) | Accuracy: | 1/10 mile | | Area (acres): 0 |
| UTM: Zone-10 N41 | 69597 E635380 | Latitude/Longitude: | 37.66357 / -121.46507 | | Elevation (feet): 300 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| | | | | | |

MUL91F0018 MULLEN, D.A. & G.A. BEEMAN (EIP ASSOCIATES) - FIELD SURVEY FORM FOR TAXIDEA TAXUS 1991-07-15





| Map Index Number: | 56597 | | EO Index: | 56613 |
|--|---------------|--|-----------------------|--|
| Key Quad: | Solyo (371215 | 53) | Element Code: | AMAJF04010 |
| Occurrence Number: | 77 | | Occurrence Last Up | odated: 2004-09-01 |
| Scientific Name: 7 | axidea taxus | | Common Name: | American badger |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | CDFW_SSC-Species of Special Concern |
| CNDDB Element Rank | s: Global: | G5 | | IUCN_LC-Least Concern |
| | State: | S3 | | |
| General Habitat: | | | Micro Habitat: | |
| MOST ABUNDANT IN E AND HERBACEOUS H | | AGES OF MOST SHRUB, FORE FRIABLE SOILS. | | T FOOD, FRIABLE SOILS & OPEN, UNCULTIVATE ON BURROWING RODENTS. DIGS BURROWS. |
| Last Date Observed: | 1992-09-14 | | Occurrence Type: | Natural/Native occurrence |
| Last Survey Date: | 1992-09-14 | | Occurrence Rank: | Good |
| Owner/Manager: | PVT | | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| EAST OF HOSPITAL C | REEK, 2 MILES | SW OF THE INTERSECTION OF | I-580 AND I-5. | |
| Detailed Location: | | | | |
| MAPPED ACCORDING | TO LOCATION | GIVEN ON MAP. | | |
| Ecological: | | | | |
| | F WASHED SID | ES ALONG CREEK IN ROLLING | GRASSLAND. LAND CURF | RENTLY USED FOR CATTLE RANCHING. |
| Threats: | | | | |
| General: | | | | |
| ACTIVE BURROW SITE | E OBSERVED O | N 14 SEP 1992. | | |
| PLSS: T04S, R05E, S | ec. 13 (M) | Accuracy: | 1/10 mile | Area (acres): 0 |
| UTM: Zone-10 N416 | 0589 E643649 | Latitude/Longitude: | 37.58115 / -121.37311 | Elevation (feet): 600 |
| County Summary: | | Quad Summary: | | |
| San Joaquin | | Solyo (3712153) | | |
| Canobaquin | | | | |





| Map Index Number: | 5 | 6780 | | | EO Index: | | 56796 | |
|--|--|---|--|---|---|------------------------|--|-----------------------|
| Key Quad: | Т | racy (371216 | 64) | | Element Code: | | AMAJF04010 | |
| Occurrence Numbe | r: 1 | 32 | | | Occurrence Last U | pdated: | 2004-09-14 | |
| Scientific Name: | Taxio | lea taxus | | | Common Name: | American | badger | |
| Listing Status: | | Federal: | None | | Rare Plant Rank: | | | |
| | | State: | None | | Other Lists: | | SC-Species of Special Concern | |
| CNDDB Element Ra | inks: | Global: | G5 | | | IUCN_LC | -Least Concern | |
| | | State: | S3 | | | | | |
| General Habitat: | | | | | Micro Habitat: | | | |
| MOST ABUNDANT I AND HERBACEOUS | | | | | | | FRIABLE SOILS & OPEN, UNC OWING RODENTS. DIGS BUF | |
| Last Date Observed | l: 19 | 89-05-23 | | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 19 | 89-05-23 | | | Occurrence Rank: | Unknow | n | |
| Owner/Manager: | U | NKNOWN | | | Trend: | Unknow | n | |
| Presence: | Pr | esumed Exta | ant | | | | | |
| | | | | | | | | |
| Location: | | | | | | | | |
| | - HIGH | WAY 580, CO | ORRAL HOLL | OW ROAD, 8.5 MIL | ES SOUTHWEST OF TRA | CY. | | |
| 3.8 MILES WEST OF | = HIGH | IWAY 580, CO | ORRAL HOLL | OW ROAD, 8.5 MIL | ES SOUTHWEST OF TRA | CY. | | |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CO | | | | | | | RAL HOLLOW ROAD (MAPPED | SW OF |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CO CASTLE ROCK). | | | | | | | RAL HOLLOW ROAD (MAPPED | 9 SW OF |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: | | | | | | | RAL HOLLOW ROAD (MAPPED |) SW OF |
| Detailed Location: | | | | | | | RAL HOLLOW ROAD (MAPPED | 9 SW OF |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: | DRRAL 5) COL | HOLLOW, T | '3S R4E. CAS DANIEL C. W | LOCATION: 3.8 MI | LES WEST OF HIGHWAY | 580, CORF | RAL HOLLOW ROAD (MAPPED ALE ROAD KILL (CAS #23104) | |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #12432 BY J. V. VINDUM AN | DRRAL 5) COL ND J. P | HOLLOW, T LECTED BY . O'BRIEN OI | '3S R4E. CAS DANIEL C. W N 23 MAY 198 | LOCATION: 3.8 MI | LES WEST OF HIGHWAY | 580, CORF | , , | |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #12432 BY J. V. VINDUM AN PLSS: T03S, R04E | DRRAL 5) COL ND J. P E, Sec. | HOLLOW, T LECTED BY O'BRIEN OI 35 (M) | '3S R4E. CAS DANIEL C. W N 23 MAY 198 Ac | LOCATION: 3.8 MI ILHOFT AND ALAN 39. | LES WEST OF HIGHWAY | 580, CORF | ALE ROAD KILL (CAS #23104) | COLLECTE |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #12432 BY J. V. VINDUM AN PLSS: T03S, R04E | DRRAL 5) COL ND J. P E, Sec. | HOLLOW, T LECTED BY O'BRIEN OI 35 (M) | 3S R4E. CAS DANIEL C. W N 23 MAY 198 Ac La | LOCATION: 3.8 MI ILHOFT AND ALAN 39. | LES WEST OF HIGHWAY I C. ZIEGLER ON 29 APR 2/5 mile | 580, CORF | ALE ROAD KILL (CAS #23104) Area (acres): | COLLECTER 0 |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #12432: BY J. V. VINDUM AN PLSS: T03S, R04E UTM: Zone-10 N4 | DRRAL 5) COL ND J. P E, Sec. | HOLLOW, T LECTED BY O'BRIEN OI 35 (M) | 3S R4E. CAS DANIEL C. W N 23 MAY 198 Ac La Qu | LOCATION: 3.8 MI ILHOFT AND ALAN 39. curacy: titude/Longitude: | LES WEST OF HIGHWAY I C. ZIEGLER ON 29 APR 2/5 mile 37.63411 / -121.49725 | 580, CORF | ALE ROAD KILL (CAS #23104) Area (acres): | COLLECTER 0 |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #124324 3Y J. V. VINDUM AN PLSS: T03S, R04E JTM: Zone-10 N4 County Summary: San Joaquin | DRRAL 5) COL ND J. P E, Sec. | HOLLOW, T LECTED BY O'BRIEN OI 35 (M) | 3S R4E. CAS DANIEL C. W N 23 MAY 198 Ac La Qu | LOCATION: 3.8 MI ILHOFT AND ALAN 39. curacy: titude/Longitude: iad Summary: | LES WEST OF HIGHWAY I C. ZIEGLER ON 29 APR 2/5 mile 37.63411 / -121.49725 | 580, CORF | ALE ROAD KILL (CAS #23104) Area (acres): | COLLECTER 0 |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #12432: BY J. V. VINDUM AN PLSS: T03S, R04E UTM: Zone-10 N4 County Summary: San Joaquin Sources: | 5) COL ND J. P 5, Sec. 116628 | HOLLOW, T LECTED BY O'BRIEN OI 35 (M) 1 E632593 | 3S R4E. CAS DANIEL C. W N 23 MAY 198 Ac La La Tra | LOCATION: 3.8 MI ILHOFT AND ALAN 39. ccuracy: titude/Longitude: ad Summary: acy (3712164), Midv | LES WEST OF HIGHWAY N C. ZIEGLER ON 29 APR 2/5 mile 37.63411 / -121.49725 way (3712165) | 580, CORF 1959. FEM | ALE ROAD KILL (CAS #23104) Area (acres): | COLLECTER 0 520 |
| 3.8 MILES WEST OF Detailed Location: MVZ LOCATION: CC CASTLE ROCK). Ecological: Threats: General: MALE (MVZ #12432: BY J. V. VINDUM AN PLSS: T03S, R04E UTM: Zone-10 N4 County Summary: San Joaquin Sources: CAS04S0004 CA | 5) COL ND J. P 5, Sec. 16628 | HOLLOW, T LECTED BY O'BRIEN OI 35 (M) 1 E632593 | OANIEL C. W DANIEL C. W N 23 MAY 198 Ac La MY OF SCIEN TMENT OF FI | LOCATION: 3.8 MI ILHOFT AND ALAN 39. curacy: titude/Longitude: ad Summary: acy (3712164), Midv | LES WEST OF HIGHWAY I C. ZIEGLER ON 29 APR 2/5 mile 37.63411 / -121.49725 vay (3712165) ALOGY HOLDINGS FOR T | 580, CORF 1959. FEM | ALE ROAD KILL (CAS #23104) Area (acres): Elevation (feet): | COLLECTE 0 520 |





| | 11363 | | EO Index: | | 57028 | |
|--|---|---|--|-----------------|--|----------------------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | AMAJF04010 | |
| Occurrence Number: | 215 | | Occurrence Last U | pdated: | 2004-10-25 | |
| Scientific Name: | Taxidea taxus | | Common Name: | American | n badger | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | SC-Species of Special Concern | |
| CNDDB Element Ranl | ks: Global: | G5 | | IUCN_LC | C-Least Concern | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| MOST ABUNDANT IN AND HERBACEOUS H | | AGES OF MOST SHRUB, FORES FRIABLE SOILS. | | | FRIABLE SOILS & OPEN, UNCU OWING RODENTS. DIGS BURF | |
| Last Date Observed: | 1938-XX-XX | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 1938-XX-XX | | Occurrence Rank: | Unknow | n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| NEAR TRACY; TRACY | ′ . | | | | | |
| | | | | | | |
| Detailed Location: | | | | NVZ RECO | ORD: 1 MILE. ELEVATION GIVE | |
| | ONG GIVEN BY I | WVZ WHICH IS AT TRACY; MAX | ERROR DISTANCE FOR IN | | | NAS 200 I |
| MAPPED NEAR LAT/L | ONG GIVEN BY I | WVZ WHICH IS AT TRACY; MAX | ERROR DISTANCE FOR I | | | N A3 200 I |
| MAPPED NEAR LAT/L Ecological: | ONG GIVEN BY I | MVZ WHICH IS AT TRACY; MAX | ERROR DISTANCE FOR I | | | N AS 2001 |
| MAPPED NEAR LAT/L Ecological: Threats: General: | | | | | | |
| MAPPED NEAR LAT/L Ecological: Threats: General: | | CY) BY J. E. SIMPSON AND J. H | | COLLECT | TED (LOCATION GIVEN AS TRA | |
| MAPPED NEAR LAT/L Ecological: Threats: General: MVZ #87965; COLLEC | TED (NEAR TRA | | | COLLECT | | |
| MAPPED NEAR LAT/L Ecological: Threats: General: MVZ #87965; COLLEC PLSS: T02S, R05E, | TED (NEAR TRA | CY) BY J. E. SIMPSON AND J. H | OPTRY DURING 1938. 14 | COLLECT | Area (acres): | .CY), USN |
| MAPPED NEAR LAT/L Ecological: Threats: General: MVZ #87965; COLLEC PLSS: T02S, R05E, UTM: Zone-10 N417 | TED (NEAR TRA Sec. 21 (M) | CY) BY J. E. SIMPSON AND J. H Accuracy: | OPTRY DURING 1938. 14 1 mile | COLLECT | Area (acres): | CY), USN 0 |
| Ecological: Threats: General: MVZ #87965; COLLEC PLSS: T02S, R05E, UTM: Zone-10 N417 | TED (NEAR TRA Sec. 21 (M) | CY) BY J. E. SIMPSON AND J. H Accuracy: Latitude/Longitude: | OPTRY DURING 1938. 14 1 mile 37.73992 / -121.42606 | COLLECT | Area (acres): | CY), USN 0 |
| MAPPED NEAR LAT/L Ecological: Threats: General: MVZ #87965; COLLEC PLSS: T02S, R05E, UTM: Zone-10 N417 County Summary: San Joaquin | TED (NEAR TRA Sec. 21 (M) | CY) BY J. E. SIMPSON AND J. H Accuracy: Latitude/Longitude: Quad Summary: | OPTRY DURING 1938. 14 1 mile 37.73992 / -121.42606 | COLLECT | Area (acres): | CY), USN 0 |
| MAPPED NEAR LAT/L Ecological: Threats: General: MVZ #87965; COLLEC PLSS: T02S, R05E, UTM: Zone-10 N417 County Summary: San Joaquin Sources: DFG86R0004 CAL | TED (NEAR TRA Sec. 21 (M) 78125 E638678 | CY) BY J. E. SIMPSON AND J. H Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164), Unio | OPTRY DURING 1938. 14 1 mile 37.73992 / -121.42606 n Island (3712174) | | Area (acres): Elevation (feet): | .CY), USN 0 50 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 34683 | | EO Index: | | 29199 | |
|---|-----------------|---|-----------------------|------------|--|--|
| Key Quad: | Tracy (3712164 | 4) | Element Code: | | ARAAD02030 | |
| Occurrence Number: | 113 | 13 Occurrence Last Updated: 1996-02 | | 1996-02-28 | | |
| Scientific Name: E | mys marmorata | | Common Name: | western p | pond turtle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Rank | s: Global: | G3G4 | | | SSC-Species of Special Concern J-Vulnerable | |
| | State: | S3 | | USFS_S- | -Sensitive | |
| General Habitat: | | | Micro Habitat: | | | |
| | ON DITCHES, US | F PONDS, MARSHES, RIVERS, SUALLY WITH AQUATIC TION. | | | SUITABLE (SANDY BANKS OR GRASSY BITAT UP TO 0.5 KM FROM WATER FOR | |
| Last Date Observed: | 1993-05-10 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1993-05-10 | | Occurrence Rank: | Exceller | nt | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Presumed Extar | nt | | | | |
| Location: | | | | | | |
| CORRAL HOLLOW CR | EEK; 2.0 ROAD N | /ILES WEST OF INTERSTATE 5 | 80 ON CORRAL HOLLOW | ROAD. | | |
| Detailed Location: | | | | | | |
| 2 SITES: ONE AT 1.8 F CREEK ALONG CORR | | | OW ROAD, OTHER SITE U | NDER TH | IRD BRIDGE CROSSING CORRAL HOLLOW | |
| Ecological: | | | | | | |
| RIPARIAN WITH DENS | E WILLOW. | | | | | |
| Threats: | | | | | | |
| CATTLE AND SHEEP (| GRAZING IN UPL | AND HABITAT. | | | | |
| General: | | | | | | |
| 2 JUVENILES OBSER\ | ED BASKING (1 | AT EACH SITE) BY E. ELY; 3 RA | NA AURORA DRAYTONI | PRESENT | - | |
| PLSS: T03S, R04E, S | Sec. 24 (M) | Accuracy: | specific area | | Area (acres): 13 | |
| UTM: Zone-10 N416 | 8784 E633802 | Latitude/Longitude: | 37.65648 / -121.48310 | | Elevation (feet): 330 | |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Tracy (3712164) | | | | |
| Sources: | | | | | | |

ELY93F0052 ELY, E. - FIELD SURVEY FORM FOR CLEMMYS MARMORATA (2 SITES) & RANA DRAYTONII 1993-05-10



California Department of Fish and Wildlife



| Map Index Number: | 23072 | | EO Index: | | 7953 | | |
|------------------------|----------------|---|-----------------------|-------------------|---|----------|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | Element Code: ARA | | ACF12100 | |
| Occurrence Number: | 576 | | Occurrence Last U | pdated: | 1993-06-03 | | |
| Scientific Name: Ph | rynosoma blair | nvillii | Common Name: | coast hor | ned lizard | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | | |
| | State: | None | Other Lists: | BLM_S-S | | | |
| CNDDB Element Ranks | : Global: | G3G4 | | CDFW_S | SC-Species of Special Concer C-Least Concern | n | |
| | State: | S3S4 | | _ | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| | | ABITATS, MOST COMMON IN S WITH SCATTERED LOW BUSHE | | | 6, BUSHES FOR COVER, PAT ABUNDANT SUPPLY OF AN | | |
| Last Date Observed: | 1991-06-22 | | Occurrence Type: | Natural/I | Native occurrence | | |
| Last Survey Date: | 1991-06-22 | | Occurrence Rank: | Poor | | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | | |
| Presence: | Presumed Ext | ant | | | | | |
| Location: | | | | | | | |
| 1.25 MILES SW OF I-580 |), 2.7 MILES S | OUTH OF THE TRACY AIRPORT. | | | | | |
| Detailed Location: | | | | | | | |
| Ecological: | | | | | | | |
| HABITAT CONSISTS OF | SPARSE, GR | AZED GRASSLAND. | | | | | |
| Threats: | | | | | | | |
| General: | | | | | | | |
| 3 JUVENILES OBSERVE | ED. | | | | | | |
| PLSS: T03S, R05E, Se | ec. 29 (M) | Accuracy: | 1/5 mile | | Area (acres): | 0 | |
| UTM: Zone-10 N4167 | 435 E636889 | Latitude/Longitude: | 37.64387 / -121.44837 | | Elevation (feet): | 450 | |
| County Summary: | | Quad Summary: | | | | | |
| San Joaquin | | Tracy (3712164) | | | | | |
| Sources: | | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 39895 | | EO Index: | | 34897 | |
|--|-----------------|---|---------------------------|-----------|---|--|
| Key Quad: | Midway (3712 | 165) | Element Code: | | ARACF12100 | |
| Occurrence Number: | 601 | | Occurrence Last U | pdated: | 1998-10-05 | |
| Scientific Name: P | hrynosoma blain | villii | Common Name: | coast hor | med lizard | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | s: Global: | G3G4 | | | SSC-Species of Special Concern C-Least Concern | |
| | State: | S3S4 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| | | BITATS, MOST COMMON IN WITH SCATTERED LOW BUSH | | | G, BUSHES FOR COVER, PATCHES OF ABUNDANT SUPPLY OF ANTS & OTHE | |
| Last Date Observed: | 1990-06-07 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1990-06-07 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | PVT | | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| ~2.5 MILES WEST OF I | -580 & CORRAL | HOLLOW ROAD JUNCTION, 2.3 | 3 MILES SOUTH OF CROS | SING OF | WESTERN PACIFIC RAILWAY & I-580. | |
| Detailed Location: | | | | | | |
| AREA SEVERAL MILES | SOUTHWEST | OF TRACY. | | | | |
| Ecological: | | | | | | |
| HEAVILY GRAZED, INT Threats: | RODUCED ANN | NUAL GRASSLAND, IN LOW HIL | LS. | | | |
| | | | | | OR DEVELOPMENT OF AN ARTFICIAL | |
| LAKE. | | ILINI, LOCATION WHERE THE L | LIZARD WAS FOUND IS FL | | | |
| General: | | | | | | |
| 1 FOUND 7 JUNE 1990 | . MEASUREMEN | NTS: TOTAL LENGTH 5"; NOSE | TO BASE OF TAIL 3.5"; WII | DTH AT W | /IDEST POINT, 2". | |
| PLSS: T03S, R04E, S | ec. 14 (M) | Accuracy: | 1/5 mile | | Area (acres): 0 | |
| UTM: Zone-10 N4170 | 0239 E632163 | Latitude/Longitude: | 37.66983 / -121.50141 | | Elevation (feet): 700 | |
| County Summary: | | Quad Summary: | | | | |
| | | Tracy (3712164), Midv | way (3712165) | | | |
| San Joaquin | | | | | | |



California Department of Fish and Wildlife



| | ber: 6 | 6068 | | EO Index: | | 66147 | |
|--|--|---|--|---|---------------------------------|--|------------------------|
| Key Quad: | Т | racy (371216 | 4) | Element Code: | | ARACF12100 | |
| Occurrence Nu | | | | Occurrence Last U | pdated: | 2009-08-26 | |
| Scientific Name | : Phryr | nosoma blain | villii | Common Name: | coast hor | med lizard | |
| Listing Status: | | Federal: | None | Rare Plant Rank: | | | |
| | | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Elemen | t Ranks: | Global: | G3G4 | | | SSC-Species of Special Concern C-Least Concern | I |
| | | State: | S3S4 | | | | |
| General Habitat | : | | | Micro Habitat: | | | |
| | | | BITATS, MOST COMMON IN WITH SCATTERED LOW BUSH | | | G, BUSHES FOR COVER, PATC ABUNDANT SUPPLY OF ANTS | |
| ast Date Obse | rved: 20 | 03-05-30 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Da | t e: 20 | 03-05-30 | | Occurrence Rank: | Good | | |
| Owner/Manage | : DC | DE-LAWREN | CE LIVERMORE LAB | Trend: | Unknow | 'n | |
| Presence: | Pr | esumed Exta | nt | | | | |
| | | COORDINA | TES GIVEN IN SOURCE, IN E1/2 | 2 OF E1/2 SEC 26. | | | |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: 1 OBSERVED 0 2002. 3 MALES, PLSS: T03S, F | RDING TO SAGE SCR GLAND USI 4 MAY 1999 8 FEMALE | 208. E IS AN EXPI 5. 1 INDIVIDU S & 2 JUVEN 26 (M) | TES GIVEN IN SOURCE, IN E1/ LOSIVES TEST SITE. JAL CAPTURED & RELEASED (VILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: | ON 14 APR 1999. 2 INDIVID 003. 1 FEMALE, 1 MALE OB specific area | | | ND 10 MAF 41 830 |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: 1 OBSERVED 0 2002. 3 MALES, PLSS: T03S, F UTM: Zone-1 | RDING TO SAGE SCR 6 LAND USI 4 MAY 1999 8 FEMALE R04E, Sec. 0 N4167247 | 208. E IS AN EXPI 5. 1 INDIVIDU S & 2 JUVEN 26 (M) | LOSIVES TEST SITE. JAL CAPTURED & RELEASED ON NILES OBSERVED ON 8 APR 20 Accuracy: | ON 14 APR 1999. 2 INDIVID 03. 1 FEMALE, 1 MALE OB specific area | | ON 30 MAY 2003. Area (acres): | 41 |
| Ecological: GRASSLANDS, Threats: SURROUNDING General: 1 OBSERVED 0 2002. 3 MALES, PLSS: T03S, F | RDING TO SAGE SCR 6 LAND USI 4 MAY 1999 8 FEMALE R04E, Sec. 0 N4167247 | 208. E IS AN EXPI 5. 1 INDIVIDU S & 2 JUVEN 26 (M) | LOSIVES TEST SITE. JAL CAPTURED & RELEASED (VILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: | ON 14 APR 1999. 2 INDIVID 03. 1 FEMALE, 1 MALE OB specific area | | ON 30 MAY 2003. Area (acres): | 41 |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: OBSERVED 0 2002. 3 MALES, PLSS: T03S, F JTM: Zone-1 County Summa Gan Joaquin | RDING TO SAGE SCR 6 LAND USI 4 MAY 1999 8 FEMALE R04E, Sec. 0 N4167247 | 208. E IS AN EXPI 5. 1 INDIVIDU S & 2 JUVEN 26 (M) | LOSIVES TEST SITE. JAL CAPTURED & RELEASED ON NILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: Quad Summary: | ON 14 APR 1999. 2 INDIVID 03. 1 FEMALE, 1 MALE OB specific area | | ON 30 MAY 2003. Area (acres): | 41 |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: OBSERVED 0 2002. 3 MALES, PLSS: T03S, F JTM: Zone-1 County Summa San Joaquin Sources: | RDING TO SAGE SCR 6 LAND USI 8 FEMALE 804E, Sec. 0 N4167247 ry: | UB. 5 IS AN EXPI 5. 1 INDIVIDU 8 & 2 JUVEN 26 (M) 7 E632658 | LOSIVES TEST SITE. JAL CAPTURED & RELEASED ON NILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: Quad Summary: | ON 14 APR 1999. 2 INDIVID 003. 1 FEMALE, 1 MALE OB specific area 37.64280 / -121.49634 | SERVED | ON 30 MAY 2003. Area (acres): Elevation (feet): | 41 |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: OBSERVED 0 2002. 3 MALES, PLSS: T03S, F JTM: Zone-1 County Summa San Joaquin Sources: /AN02F0035 | RDING TO SAGE SCR i LAND USI 4 MAY 1999 8 FEMALE R04E, Sec. 0 N4167247 ry: VAN HAT | 2UB. 5. 1 INDIVIDU 5. 2 JUVEN 26 (M) 7 E632658 TEM, M FII | LOSIVES TEST SITE. JAL CAPTURED & RELEASED O VILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | ON 14 APR 1999. 2 INDIVID)03. 1 FEMALE, 1 MALE OB specific area 37.64280 / -121.49634 YNOSOMA CORONATUM (| FRONTAL | ON 30 MAY 2003. Area (acres): Elevation (feet): E POPULATION) 2002-02-30 | 41 |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: 1 OBSERVED 0 2002. 3 MALES, PLSS: T03S, F UTM: Zone-11 County Summa San Joaquin Sources: VAN02F0035 VAN03F0008 | RDING TO SAGE SCR 4 MAY 1999 8 FEMALE R04E, Sec. 0 N4167247 ry: VAN HAT VAN HAT | EUB. E IS AN EXPI 5. 1 INDIVIDU S & 2 JUVEN 26 (M) 7 E632658 TEM, M FII TEM, M FII TEM, M FII | LOSIVES TEST SITE. JAL CAPTURED & RELEASED ON NILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ELD SURVEY FORM FOR PHRY | ON 14 APR 1999. 2 INDIVID)03. 1 FEMALE, 1 MALE OB specific area 37.64280 / -121.49634 YNOSOMA CORONATUM (| FRONTAL | ON 30 MAY 2003. Area (acres): Elevation (feet): E POPULATION) 2002-02-30 E POPULATION) 2003-04-08 | 41 830 |
| MAPPED ACCO Ecological: GRASSLANDS, Threats: SURROUNDING General: 1 OBSERVED 0 2002. 3 MALES, PLSS: T03S, F UTM: Zone-1 County Summa | RDING TO SAGE SCR i LAND USI 4 MAY 1999 8 FEMALE R04E, Sec. 0 N4167247 ry: VAN HAT VAN HAT VAN HAT VAN HAT 2003-08-2 WOOLLE | EUB. E IS AN EXPI 5. 1 INDIVIDU S & 2 JUVEN 26 (M) 7 E632658 TEM, M FII TEM, M FII TEM, M.G. (L 21 | LOSIVES TEST SITE. JAL CAPTURED & RELEASED ON VILES OBSERVED ON 8 APR 20 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ELD SURVEY FORM FOR PHRY | ON 14 APR 1999. 2 INDIVID 003. 1 FEMALE, 1 MALE OB specific area 37.64280 / -121.49634 YNOSOMA CORONATUM (YNOSOMA CORONATUM (ONAL LABORATORY) - 200 AL LABORATORY) - SCIEN | FRONTAL FRONTAL 2-2003 SC | ON 30 MAY 2003. Area (acres): Elevation (feet): E POPULATION) 2002-02-30 E POPULATION) 2003-04-08 CIENTIFIC COLLECTING PERM | 41 830 |



California Department of Fish and Wildlife



| | 33715 | | EO Index: | 30702 |
|--|--|---|---|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | ARADB21021 |
| Occurrence Number: | 2 | | Occurrence Last U | pdated: 2006-08-29 |
| Scientific Name: M | asticophis flage | llum ruddocki | Common Name: | San Joaquin whipsnake |
| isting Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | CDFW_SSC-Species of Special Concern |
| NDDB Element Ranks | s: Global: | G5T2T3 | | |
| | State: | S2? | | |
| eneral Habitat: | | | Micro Habitat: | |
| | | DR NO TREE COVER. FOUND IN CRUB IN THE SAN JOAQUIN | NEEDS MAMMAL B | BURROWS FOR REFUGE AND OVIPOSITION SITES. |
| ast Date Observed: | 1991-05-19 | | Occurrence Type: | Natural/Native occurrence |
| ast Survey Date: | 1991-05-19 | | Occurrence Rank: | Good |
| wner/Manager: | UNKNOWN | | Trend: | Unknown |
| resence: | Presumed Exta | ant | | |
| ocation: | | | | |
| | | | | |
| | AD, NEAR THE | MOUTH OF CORRAL HOLLOW, | 6 MILES SSW OF TRACY. | |
| ORRAL HOLLOW RO | AD, NEAR THE | MOUTH OF CORRAL HOLLOW, | 6 MILES SSW OF TRACY. | |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD | OUND AT LAT/ | | AY 1991. COLLECTIONS A | NT "CORRAL HOLLOW, 2 MI W OF HWY 580" & |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD COlogical: | OUND AT LAT/ , 3 MI W OF HV | 'LONG 373921/1212859 ON 19 M/ VY 580" IN 1981 & 1989, INCLUDI | AY 1991. COLLECTIONS A ED HERE. | |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD COlogical: ABITAT ADJACENT T | OUND AT LAT/ , 3 MI W OF HV | /LONG 373921/1212859 ON 19 M/ | AY 1991. COLLECTIONS A ED HERE. | |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD cological: ABITAT ADJACENT T hreats: | OUND AT LAT/ , 3 MI W OF HV O CORRAL HO | 'LONG 373921/1212859 ON 19 M/ VY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ | AY 1991. COLLECTIONS A ED HERE. | |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD cological: ABITAT ADJACENT To hreats: OSSIBLY THREATEN | OUND AT LAT/ , 3 MI W OF HV O CORRAL HO | 'LONG 373921/1212859 ON 19 M/ VY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ | AY 1991. COLLECTIONS A ED HERE. | |
| ORRAL HOLLOW ROA Petailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD cological: IABITAT ADJACENT THE hreats: OSSIBLY THREATEN General: MALE SPECIMEN CO | OUND AT LAT/ , 3 MI W OF HV O CORRAL HO ED BY CATTLE LLECTED BY F | (LONG 373921/1212859 ON 19 M/ VY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C | |
| CORRAL HOLLOW RO Detailed Location: SPECIFIC LOCATION F CORRAL HOLLOW RD CORRAL HOLLOW RD CORRAL HOLLOW RD CORRAL HOLLOW RD CORRAL HOLLOW RD CORRAL SPECIMEN CO 173198. 1 DOR SPECI | OUND AT LAT/ , 3 MI W OF HV O CORRAL HO ED BY CATTLE LLECTED BY F MEN COLLECT | LONG 373921/1212859 ON 19 M/ YY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. | NT "CORRAL HOLLOW, 2 MI W OF HWY 580" & |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD cological: ABITAT ADJACENT TH hreats: OSSIBLY THREATEN eneral: MALE SPECIMEN CO 173198. 1 DOR SPECI LSS: T03S, R04E, S | OUND AT LAT/ , 3 MI W OF HV O CORRAL HOI ED BY CATTLE LLECTED BY F MEN COLLECT ec. 24 (M) | ⁽ LONG 373921/1212859 ON 19 M/ VY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. ⁽ .E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA Accuracy: | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. nonspecific area | NT "CORRAL HOLLOW, 2 MI W OF HWY 580" & COLLECTED BY J.P. O'BRIEN 6 APR 1989, CAS Area (acres): 64 |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD cological: ABITAT ADJACENT TH hreats: OSSIBLY THREATEN eneral: MALE SPECIMEN CO 173198. 1 DOR SPECI LSS: T03S, R04E, S TM: Zone-10 N4168 | OUND AT LAT/ , 3 MI W OF HV O CORRAL HOI ED BY CATTLE LLECTED BY F MEN COLLECT ec. 24 (M) | LONG 373921/1212859 ON 19 M/ YY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA Accuracy: Latitude/Longitude: | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. | NT "CORRAL HOLLOW, 2 MI W OF HWY 580" & |
| ORRAL HOLLOW ROA etailed Location: PECIFIC LOCATION F CORRAL HOLLOW RD cological: ABITAT ADJACENT TH hreats: OSSIBLY THREATENI eneral: MALE SPECIMEN CO 173198. 1 DOR SPECI LSS: T03S, R04E, S TM: Zone-10 N4168 ounty Summary: | OUND AT LAT/ , 3 MI W OF HV O CORRAL HOI ED BY CATTLE LLECTED BY F MEN COLLECT ec. 24 (M) | LONG 373921/1212859 ON 19 M/ VY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA Accuracy: Latitude/Longitude: Quad Summary: | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. nonspecific area | NT "CORRAL HOLLOW, 2 MI W OF HWY 580" & COLLECTED BY J.P. O'BRIEN 6 APR 1989, CAS Area (acres): 64 |
| CORRAL HOLLOW ROA Detailed Location: EPECIFIC LOCATION F CORRAL HOLLOW RD ECOLOGICAL: HABITAT ADJACENT TO Threats: COSSIBLY THREATEN Exeneral: MALE SPECIMEN CO 173198. 1 DOR SPECI FLSS: T03S, R04E, S ITM: Zone-10 N4168 County Summary: Ean Joaquin | OUND AT LAT/ , 3 MI W OF HV O CORRAL HOI ED BY CATTLE LLECTED BY F MEN COLLECT ec. 24 (M) | LONG 373921/1212859 ON 19 M/ YY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA Accuracy: Latitude/Longitude: | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. nonspecific area | AT "CORRAL HOLLOW, 2 MI W OF HWY 580" & COLLECTED BY J.P. O'BRIEN 6 APR 1989, CAS Area (acres): 64 |
| CORRAL HOLLOW ROA Detailed Location: SPECIFIC LOCATION F CORRAL HOLLOW RD CORRAL HOLLOW RD CORRAL HOLLOW RD CORRAL HOLLOW RD COSSIBLY THREATEN POSSIBLY THREATEN COSSIBLY THREA | OUND AT LAT/ , 3 MI W OF HV O CORRAL HO ED BY CATTLE LLECTED BY F MEN COLLECT ec. 24 (M) 3690 E634028 | LONG 373921/1212859 ON 19 M/ YY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. E.E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. nonspecific area 37.65560 / -121.48055 | AT "CORRAL HOLLOW, 2 MI W OF HWY 580" & COLLECTED BY J.P. O'BRIEN 6 APR 1989, CAS Area (acres): 64 Elevation (feet): 500 |
| CORRAL HOLLOW ROA Detailed Location: SPECIFIC LOCATION F CORRAL HOLLOW RD CORRAL SPECIMEN CO CORSIBLY THREATEN CORSCIENCE CORRAL CO CORRAL CORRAL CO CORRAL CO CO CO CO CO CO CO CO CO CO CO CO CO C | OUND AT LAT/ , 3 MI W OF HV O CORRAL HO ED BY CATTLE LLECTED BY F MEN COLLECT ec. 24 (M) 3690 E634028 | LONG 373921/1212859 ON 19 M/ YY 580" IN 1981 & 1989, INCLUDE LLOW ROAD CONSISTS OF RIP/ GRAZING. E.E. ELY 29 MAY 1981, CAS #1534 ED (FOR ID ONLY, THEN DISCA Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | AY 1991. COLLECTIONS A ED HERE. ARIAN. 189. 1 MALE SPECIMEN C RDED) 19 MAY 1991. nonspecific area 37.65560 / -121.48055 | AT "CORRAL HOLLOW, 2 MI W OF HWY 580" & COLLECTED BY J.P. O'BRIEN 6 APR 1989, CAS Area (acres): 64 |



California Department of Fish and Wildlife

California Natural Diversity Database



| VERSIL | | | | |
|---------------------|-------------------|---|--------------------------|---|
| Map Index Number: | 40665 | | EO Index: | 35672 |
| (ey Quad: | Midway (3712 | 2165) | Element Code: | ARADB21021 |
| Occurrence Number: | 20 | | Occurrence Last Upd | lated: 2010-07-07 |
| Scientific Name: A | lasticophis flage | llum ruddocki | Common Name: S | San Joaquin whipsnake |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: C | DFW_SSC-Species of Special Concern |
| CNDDB Element Rank | s: Global: | G5T2T3 | | |
| | State: | S2? | | |
| General Habitat: | | | Micro Habitat: | |
| | | DR NO TREE COVER. FOUND IN CRUB IN THE SAN JOAQUIN | NEEDS MAMMAL BUI | RROWS FOR REFUGE AND OVIPOSITION SITES. |
| Last Date Observed: | 2004-09-15 | | Occurrence Type: | Natural/Native occurrence |
| ast Survey Date: | 2004-09-15 | | Occurrence Rank: | Excellent |
| Owner/Manager: | UC-BERKELE | Y, DOE-LLNL | Trend: | Unknown |
| Presence: | Presumed Exta | ant | | |
| ocation: | | | | |
| NORTH OF CORRAL H | IOLLOW RD, LA | WRENCE LIVERMORE NATIONA | L LABORATORY SITE 300, I | BETWEEN LIVERMORE AND TRACY. |
| Detailed Location: | | | | |
| | | | | HOLLOW, NEAR CASTLE ROCK" & SPECIFIC ECTIONS 15-17, 20-22, 26-29, PARTS 25, 33-36. |
| Ecological: | | | | |
| | | & OPEN-CANOPY SCRUB, DOM ETLANDS & SEEPS. SURROUND | | SALVIA MELLIFERA) WITH A FEW SCATTERED SIVES TEST SITE. |
| Threats: | | | | |
| Seneral: | | | | |
| | | 29 MAY 1981, CAS #153490. 1 AE OCT & 4 OBS MAY 2002. 2 CAPTI | | ILT OBS MAY 1998. 9 ADULTS CAPTURED 17 APR D 25 APR-15 SEP 2004. |
| PLSS: T03S, R04E, S | Sec. 27 (M) | Accuracy: | nonspecific area | Area (acres): 7,202 |
| UTM: Zone-10 N416 | 7327 E629693 | Latitude/Longitude: | 37.64394 / -121.52992 | Elevation (feet): 1,300 |
| County Summary: | | Quad Summary: | | |

Alameda, San Joaquin

Tracy (3712164), Midway (3712165)



California Department of Fish and Wildlife



| Sources: | |
|------------|---|
| CAS02S0004 | CALIFORNIA ACADEMY OF SCIENCES - CAS HERPETOLOGY HOLDINGS (INCLUDES STANFORD UNIVERSITY COLLECTIONS) FOR MASTICOPHIS FLAGELLUM RUDDOCKI 2002-07-30 |
| SWA02F0008 | SWAIM, K. (SWAIM BIOLOGICAL, INC.) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 2002-10-07 |
| SWA02R0001 | SWAIM, K. (SWAIM BIOLOGICAL, INC.) - 2002 ANNUAL REPORT - SCIENTIFIC COLLECTING PERMITS 2002-XX-XX |
| SWA03R0001 | SWAIM, K. (SWAIM BIOLOGICAL, INC.) - 2003 ANNUAL REPORT OF SPECIMENS 2003-XX-XX |
| SWA04F0015 | SWAIM, K. (SWAIM BIOLOGICAL, INC.) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 2004-09-15 |
| SWA98F0001 | SWAIM, K. (SWAIM BIOLOGICAL, INC.) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 1998-07-08 |
| SWA98R0002 | SWAIM, K. (SWAIM BIOLOGICAL, INC.) - RESULTS OF A LIVE-TRAPPING SURVEY FOR THE ALAMEDA WHIPSNAKE AT THE SITE 300 FACILITIES OF LAWRENCE LIVERMORE NATIONAL LABORATORY. INCLUDES LOCATION INFO FOR SAN JOAQUIN WHIPSNAKE. 1998-12-14 |
| SWA98R0003 | SWAIM, K.E. (SWAIM BIOLOGICAL, INC.) - 1998 ANNUAL REPORT, SCIENTIFIC COLLECTING PERMIT #80159-01 1998-XX-XX |
| VAN02F0019 | VAN HATTEM, M. (LAWRENCE LIVERMORE NATIONAL LABORATORY) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 2002-05-26 |
| WOO93F0006 | WOOLLETT, J. (LAWRENCE LIVERMORE NATIONAL LABORATORY) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 1993-05-07 |
| WOO98F0008 | WOOLLETT, J. (LAWRENCE LIVERMORE NATIONAL LABORATORY) - FIELD SURVEY FORM FOR MASTICOPHIS FLAGELLUM RUDDOCKI 1998-05-01 |



California Department of Fish and Wildlife



| Map Index Number: | 11669 | | EO Index: | | 15678 | |
|-----------------------------------|-------------------|--|-----------------------|----------|---------------------------------|------------|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | CTT61410CA | |
| Occurrence Number: | 19 | | Occurrence Last U | pdated: | 1998-09-02 | |
| Scientific Name: G | reat Valley Cotto | onwood Riparian Forest | Common Name: | Great Va | lley Cottonwood Riparian Forest | |
| isting Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | | | |
| CNDDB Element Ranks | : Global: | G2 | | | | |
| | State: | S2.1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| ast Date Observed: | 1985-10-28 | | Occurrence Type: | Natural/ | Native occurrence | |
| ast Survey Date: | 1985-10-28 | | Occurrence Rank: | Fair | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| Presence: | Presumed Exta | int | | | | |
| _ocation: | | | | | | |
| SAN JOAQUIN RIVER L | IPSTREAM AND | DOWNSTREAM OF DURHAM F | ERRY SRA 3-4 MILES. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| /ERY OPEN POPULUS MAPPED AREA. | FREMONTII FO | DREST THROUGH THICKETS OF | WILLOW SCRUB. SEVER | RAL OXBC | WS AND RIVERINE GRASSLAN | IDS WITHII |
| Threats: | | | | | | |
| RECEIVES HEAVY REC | REATIONAL U | SE. | | | | |
| General: | | | | | | |
| | | AY IN FAIR CONDITION, 1985. S GCAMP/NATURAL_COMM_BACI | | PRET AN | D ADDRESS THE PRESENCE C | OF RARE |
| PLSS: T03S, R06E, S | ec. 12 (M) | Accuracy: | specific area | | Area (acres): | 1,472 |
| JTM: Zone-10 N4172 | 565 E653494 | Latitude/Longitude: | 37.68747 / -121.25915 | | Elevation (feet): | 25 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin, Stanislaus | | Ripon (3712162), Vern | alis (3712163) | | | |
| Sources: | | | | | | |
| Jui | | | | | | |
| | E, M.T ELEMI | ENT PRESERVATION PLAN RIPA | ARIAN FORESTS, THE NA | TURE CO | NSERVANCY. 1980-07-XX | |



California Natural Diversity Database



| | 95292 | | EO Index: | 96429 |
|---|---|---|--|---|
| Key Quad: | Tracy (371216 | 54) | Element Code: | IICOL48011 |
| Occurrence Number: | 297 | | Occurrence Last Updated: | 2015-02-24 |
| Scientific Name: D |)esmocerus calife | ornicus dimorphus | Common Name: valley eld | erberry longhorn beetle |
| Listing Status: | Federal: | Threatened | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| CNDDB Element Rank | s: Global: | G3T2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| | | LEY OF CALIFORNIA, IN RRY (SAMBUCUS MEXICANA). | | ELDERBERRIES 2-8 INCHES IN DIAMETER N FOR "STRESSED" ELDERBERRIES. |
| ast Date Observed: | 2002-05-30 | | Occurrence Type: Natural/I | Native occurrence |
| ast Survey Date: | 2002-05-30 | | Occurrence Rank: Unknow | n |
| Owner/Manager: | DOE-LAWREN | ICE LIVERMORE LAB | Trend: Unknow | n |
| Presence: | Presumed Exta | ant | | |
| ocation: | | | | |
| ABOUT 0.2 MI NNW OF | F CASTLE ROCH | K, 1.1 MI SW OF BLACK BUTTE, V | W SIDE OF CORRAL HOLLOW RD, 2 | 2.9 MI SW OF I-580 INTERSECTION. |
| Detailed Location: | | | | |
| | TO PROVIDED | MAP FOR ELDERBERRY SHUR | B LOCATIONS. SITE PART OF THE I | AWRENCE LIVERMORE NATIONAL |
| | | SITE 300 - AREA F. | | |
| ABORATORY EXPER | | SITE 300 - AREA F. | | |
| ABORATORY EXPER | | SITE 300 - AREA F. | | |
| ABORATORY EXPER cological: hreats: | | SITE 300 - AREA F. | | |
| _ABORATORY EXPER Ecological: I'hreats: General: | IMENTAL TEST | SITE 300 - AREA F. 4 SURVEYS CONDUCTED BETV | WEEN 8 APR-30 MAY 2002. | |
| LABORATORY EXPER Ecological: I'hreats: General: SIX EXIT HOLES OBSE | IMENTAL TEST | | WEEN 8 APR-30 MAY 2002. specific area | Area (acres) : 9 |
| ABORATORY EXPER Ecological: Threats: General: SIX EXIT HOLES OBSE PLSS: T03S, R04E, S | IMENTAL TEST ERVED DURING Sec. 25 (M) | 4 SURVEYS CONDUCTED BETV | | Area (acres): 9 Elevation (feet): 190 |
| LABORATORY EXPER Ecological: Ifhreats: General: SIX EXIT HOLES OBSE PLSS: T03S, R04E, S JTM: Zone-10 N416 | IMENTAL TEST ERVED DURING Sec. 25 (M) | 4 SURVEYS CONDUCTED BETV Accuracy: | specific area | |
| LABORATORY EXPER Ecological: Ifhreats: General: SIX EXIT HOLES OBSE PLSS: T03S, R04E, S | IMENTAL TEST ERVED DURING Sec. 25 (M) | 4 SURVEYS CONDUCTED BET Accuracy: Latitude/Longitude: | specific area | |

LABORATORY - SITE 300 2004-11-16



California Department of Fish and Wildlife



| Map Index Number: Key Quad: | 57316 Vernalis (3712 | 2163) | EO Index: Element Code: | 5733 IICO | 32 L49010 | |
|--------------------------------|-------------------------|-------------------------|----------------------------|----------------|---|----|
| Occurrence Number: | 10 | | Occurrence Last U | pdated: 2004 | I -11-02 | |
| Scientific Name: A | nthicus sacrame | nto | Common Name: | Sacramento an | thicid beetle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | IUCN_EN-Enda | ingered | |
| CNDDB Element Rank | s: Global: | G1 | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| RESTRICTED TO SAN | D DUNE AREAS | | | | G BAMBOO AND WILLO THESE PLANT SPECIES | - |
| Last Date Observed: | 1990-09-22 | | Occurrence Type: | Natural/Native | occurrence | |
| Last Survey Date: | 1990-09-22 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | nt | | | | |
| Location: | | | | | | |
| DREDGED MATERIAL | DISPOSAL SITE | AT MOUTH OF BANTA CARBO | NA CANAL. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| UNKNOWN. | | | | | | |
| Threats: | | | | | | |
| General: | | 2 | | | | |
| 1 ADULT COLLECTED | | | | | | |
| PLSS: T02S, R06E, S | . , | Accuracy: | nonspecific area | | Area (acres): | 12 |
| UTM: Zone-10 N417 | 6558 E650022 | Latitude/Longitude: | 37.72401 / -121.29769 | | Elevation (feet): | 10 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 57330 | | EO Index: | | 57346 | |
|---------------------|-----------------|----------------------------|------------------------|-------------------------------------|--|----|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | IICOL49010 | |
| Occurrence Number: | 11 | | Occurrence Last U | Occurrence Last Updated: 2004-10-12 | | |
| Scientific Name: A | nthicus sacrame | nto | Common Name: | Sacrame | nto anthicid beetle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | IUCN_EN | N-Endangered | |
| CNDDB Element Ranks | s: Global: | G1 | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| RESTRICTED TO SANI | DUNE AREAS | | | | MONG BAMBOO AND WILLOV E OF THESE PLANT SPECIES | - |
| Last Date Observed: | 1990-09-08 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 1990-09-08 | | Occurrence Rank: | Unknow | n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | n | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| LARGE POINT BAR ON | I NORTH BANK | AT BEND OF SAN JOAQUIN RIV | ER AT RIVER MILE 65.2R | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| SAND BAR. | | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| 1 ADULT COLLECTED | IN 6 PITFALL TI | RAPS BETWEEN 2-8 SEP 1990. | | | | |
| PLSS: T03S, R06E, S | ec. 02 (M) | Accuracy: | nonspecific area | | Area (acres): | 5 |
| UTM: Zone-10 N4174 | 1996 E651833 | Latitude/Longitude: | 37.70964 / -121.27747 | | Elevation (feet): | 10 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: Key Quad: | 57332 Vernalis (3712 | 2163) | EO Index: Element Code: | - | 7348 COL49010 | |
|--------------------------------|-------------------------|-----------------------------|----------------------------|-------------------------------|--|----|
| Occurrence Number: | 12 | | | Occurrence Last Updated: 2004 | | |
| Scientific Name: A | nthicus sacrame | nto | Common Name: | Sacramento | anthicid beetle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | IUCN_EN-E | ndangered | |
| CNDDB Element Rank | s: Global: | G1 | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| RESTRICTED TO SAN | D DUNE AREAS | | | | ONG BAMBOO AND WILLO OF THESE PLANT SPECIES | |
| Last Date Observed: | 1990-09-08 | | Occurrence Type: | Natural/Nat | ive occurrence | |
| Last Survey Date: | 1990-09-08 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| POINT BAR ON EAST I | BANK OF BEND | AT RIVER MILE 69.0R ON SAN | JOAQUIN RIVER. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| SAND BAR - SMALL BE | EACH AREA. | | | | | |
| Threats: | | | | | | |
| General: | | | • | | | |
| | | FRAPS BETWEEN 2 - 8 SEP 199 | - | | | |
| PLSS: T03S, R06E, S | · · / | Accuracy: | nonspecific area | | Area (acres): | 5 |
| UTM: Zone-10 N417 | 3974 E652108 | Latitude/Longitude: | 37.70038 / -121.27457 | | Elevation (feet): | 10 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 57334 | | EO Index: | 573 | 50 | |
|---------------------|-----------------|------------------------------|-----------------------|----------------|--|---|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | lico | DL49010 | |
| Occurrence Number: | 13 | | Occurrence Last U | pdated: 200 | 94-10-12 | |
| Scientific Name: A | nthicus sacrame | nto | Common Name: | Sacramento a | nthicid beetle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | | | |
| | State: | None | Other Lists: | IUCN_EN-End | angered | |
| CNDDB Element Ranks | s: Global: | G1 | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| RESTRICTED TO SANI | D DUNE AREAS | | | | IG BAMBOO AND WILLO THESE PLANT SPECIES | |
| Last Date Observed: | 1990-09-08 | | Occurrence Type: | Natural/Native | e occurrence | |
| Last Survey Date: | 1990-09-08 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| SANDY BANK ON RIVE | R BEND AT RIV | /ER MILE 70.8R ON THE SAN JC | AQUIN RIVER. | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| ERODING SANDY BAN | K. | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| 1 ADULT COLLECTED | IN 4 PITFALL T | RAPS SET BETWEEN 2 & 8 SEP | 1990. | | | |
| PLSS: T03S, R06E, S | ec. 12 (M) | Accuracy: | nonspecific area | | Area (acres): | 3 |
| UTM: Zone-10 N4172 | 2071 E652585 | Latitude/Longitude: | 37.68316 / -121.26955 | | Elevation (feet): | 0 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |





| Map Index Number: | 11363 | | EO Index: | 98560 |
|---------------------|----------------|---------------------------|-----------------------|--|
| Key Quad: | Tracy (37121) | 64) | Element Code: | IIHYM24480 |
| Occurrence Number: | 19 | | Occurrence Last U | pdated: 2015-08-21 |
| Scientific Name: B | ombus crotchii | | Common Name: | Crotch bumble bee |
| Listing Status: | Federal: | None | Rare Plant Rank: | |
| | State: | None | Other Lists: | |
| NDDB Element Rank | s: Global: | G3G4 | | |
| | State: | S1S2 | | |
| General Habitat: | | | Micro Habitat: | |
| COASTAL CALIFORNIA | | SIERRA-CASCADE CREST ANI | | ERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA ESCHSCHOLZIA, AND ERIOGONUM. |
| ast Date Observed: | 1959-05-01 | | Occurrence Type: | Natural/Native occurrence |
| ast Survey Date: | 1959-05-01 | | Occurrence Rank: | Unknown |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown |
| resence: | Presumed Exta | ant | | |
| ocation: | | | | |
| RACY. | | | | |
| etailed Location: | | | | |
| XACT LOCATION UN | KNOWN. MAPP | ED BY CNDDB IN THE GENERA | L VICINITY OF TRACY. | |
| cological: | | | | |
| hreats: | | | | |
| General: | | | | |
| COLLECTED 1 MAY 19 | 59. | | | |
| PLSS: T02S, R05E, S | Sec. 21 (M) | Accuracy: | 1 mile | Area (acres): 0 |
| JTM: Zone-10 N417 | 8125 E638678 | Latitude/Longitude: | 37.73992 / -121.42606 | Elevation (feet): 50 |
| County Summary: | | Quad Summary: | | |
| Jounty Gummary. | | | an Jaland (2712171) | |
| San Joaquin | | Tracy (3712164), Unic | on Island (3712174) | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11665 | | EO Index: | | 20067 | |
|---------------------|-----------------|-------------------------------|-------------------------|------------|----------------------------|---------|
| Key Quad: | Vernalis (3712 | 2163) | Element Code: | | PDAPI0Z0S0 | |
| Occurrence Number: | 8 | | Occurrence Last U | pdated: | 2003-06-09 | |
| Scientific Name: E | ryngium racemo | sum | Common Name: | Delta but | ton-celery | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | |
| | State: | Endangered | Other Lists: | | | |
| CNDDB Element Ranks | s: Global: | G1Q | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| RIPARIAN SCRUB. | | | SEASONALLY INUN | NDATED F | LOODPLAIN ON CLAY. 3-75M | |
| Last Date Observed: | 1923-10-22 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1985-XX-XX | | Occurrence Rank: | None | | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| Presence: | Possibly Extirp | ated | | | | |
| Location: | | | | | | |
| SITE OF OLD SAN JOA | QUIN CITY, AB | OUT 2.5 MI NE OF VERNALIS, SI | E OF SAN JOAQUIN RIV C | LUB. | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| AREA WEEDY & DISTU | IRBED BY VEHI | CLES & GRAZING. | | | | |
| General: | | | | | | |
| 1923 COLLECTION BY | JEPSON (#1028 | 37 JEPS) FROM SAN JOAQUIN (| CITY ATTRIBUTED TO THIS | S SITE. AF | REA DISTURBED; LIKELY EXTI | RPATED. |
| PLSS: T03S, R06E, S | ec. 13 (M) | Accuracy: | 1/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4170 | 0606 E652873 | Latitude/Longitude: | 37.66992 / -121.26660 | | Elevation (feet): | 50 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |
| ALL74U0023 ALLEI | N, P CNPS CA | RD 1974-10-17 | | | | |
| GOO85U0001 GOOI | DROW, V MAT | ERIALS ON FIELD CHECKS OF | HISTORIC LOCATIONS. 1 | 985-07-22 | | |
| JEP23S0005 JEPS | ON, W JEPSC | N #10287 JEPS #14006 1923-10- | -22 | | | |
| MOR84F0015 MORE | EY, S FIELD S | URVEY FORM FOR ERYNGIUM | RACEMOSUM 1984-08-28 | | | |
| | | | | | | |

MOR84F0016 MOREY, S. - FIELD SURVEY FORM FOR ERYNGIUM RACEMOSUM 1984-08-28



California Department of Fish and Wildlife



| Map Index Number: Key Quad: | 11363 Tracy (371216 | 64) | EO Index: Element Code: | | 2438 PDAST1C011 |
|--------------------------------|------------------------|----------------------------|----------------------------|------------|--|
| Occurrence Number: | 4 | | Occurrence Last L | Ipdated: | 1995-06-22 |
| Scientific Name: B | lepharizonia plur | nosa | Common Name: | big tarpla | int |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | |
| | State: | None | Other Lists: | SB_RSA | BG-Rancho Santa Ana Botanic Garden |
| CNDDB Element Ranks | s: Global: | G2 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| VALLEY AND FOOTHIL | L GRASSLAND. | | | | IUAL GRASSLAND. CLAY TO CLAY-LOAM S AND OFTEN IN BURNED AREAS. 30-505 |
| Last Date Observed: | 1935-09-07 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1935-09-07 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | nt | | | |
| Location: | | | | | |
| TRACY. | | | | | |
| Detailed Location: | | | | | |
| | KNOWN. MAPPE | ED BY CNDDB AS BEST GUESS | CENTERED ON TOWN O | F TRACY. | |
| Ecological: | | | | | |
| Threats: | | | | | |
| General: | | | | | |
| ONLY SOURCE OF INF | ORMATION IS / | A 1935 COLLECTION BY HOOVE | R. NEEDS FIELDWORK. | | |
| PLSS: T02S, R05E, S | . , | Accuracy: | 1 mile | | Area (acres): 0 |
| UTM: Zone-10 N4178 | 3125 E638678 | Latitude/Longitude: | 37.73992 / -121.42606 | | Elevation (feet): |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164), Unio | n Island (3712174) | | |
| Sources: | | | | | |



California Department of Fish and Wildlife



| Map Index Number: | 37336 | | EO Index: | 32338 |
|--|--|--|---|--|
| Key Quad: | Tracy (37121 | 64) | Element Code: | PDAST1C011 |
| Occurrence Number: | 13 | | Occurrence Last Updated | I : 2013-07-15 |
| Scientific Name: E | Blepharizonia plu | mosa | Common Name: big ta | rplant |
| Listing Status: | Federal: | None | Rare Plant Rank: 1B.1 | |
| | State: | None | Other Lists: SB_R | SABG-Rancho Santa Ana Botanic Garden |
| CNDDB Element Rank | s: Global: | G2 | | |
| | State: | S2 | | |
| General Habitat: | | | Micro Habitat: | |
| VALLEY AND FOOTHII | LL GRASSLAND | ı. | | NNUAL GRASSLAND. CLAY TO CLAY-LOAI PES AND OFTEN IN BURNED AREAS. 30-50 |
| Last Date Observed: | 1996-10-04 | | Occurrence Type: Natu | ral/Native occurrence |
| Last Survey Date: | 1996-10-04 | | Occurrence Rank: Good | d |
| Owner/Manager: | PVT | | Trend: Unkr | nown |
| Presence: | Presumed Exta | ant | | |
| Location: | | | | |
| NORTHWEST SLOPE | OF BLACK BUT | TE, SOUTH OF CORRAL HOLLC | OW ROAD, ABOUT 2 MILES WEST | OF I-5. |
| Detailed Location: | | | | |
| MAPPED IN THE NE 1/ | 4 OF THE SW1/ | 4 OF SECTION 24. | | |
| Ecological: | | | | |
| | | | | HOLH ATLINA ODINIDELLA OANADODLINA AND |
| ANNUAL GRASSLAND | | | | IICULATUM, GRINDELIA CAMPORUM, AND |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI | | | . HORDEACEUS, EPILOBIUM PAN ISFLAT-ARBURUA-SAN TIMOTEC | |
| ANNUAL GRASSLAND | NICA. NE-FACIN | | | |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: | NICA. NE-FACIN | | | |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: GRAZING THREATENS General: | NICA. NE-FACIN S. | | 'ISFLAT-ARBURUA-SAN TIMOTEC | |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: GRAZING THREATENS General: | NICA. NE-FACIN S. ED IN 1996. INC | NG SLOPE. SOIL MAPPED AS W | 'ISFLAT-ARBURUA-SAN TIMOTEC | |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: GRAZING THREATENS General: 500 PLANTS OBSERVI PLSS: T03S, R04E, S | NICA. NE-FACIN S. ED IN 1996. INC | NG SLOPE. SOIL MAPPED AS W | 'ISFLAT-ARBURUA-SAN TIMOTEC E #43. specific area | D COMPLEX. |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: GRAZING THREATENS General: 500 PLANTS OBSERVI PLSS: T03S, R04E, S | NICA. NE-FACIN S. ED IN 1996. INC Sec. 24 (M) | NG SLOPE. SOIL MAPPED AS W CLUDES FORMER OCCURRENC Accuracy: | 'ISFLAT-ARBURUA-SAN TIMOTEC E #43. specific area | O COMPLEX. Area (acres): 3 |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: GRAZING THREATENS General: 500 PLANTS OBSERVI PLSS: T03S, R04E, S UTM: Zone-10 N416 | NICA. NE-FACIN S. ED IN 1996. INC Sec. 24 (M) | NG SLOPE. SOIL MAPPED AS W CLUDES FORMER OCCURRENC Accuracy: Latitude/Longitude: | 'ISFLAT-ARBURUA-SAN TIMOTEC E #43. specific area | O COMPLEX. Area (acres): 3 |
| ANNUAL GRASSLAND HOLOCARPHA OBCOI Threats: GRAZING THREATENS General: 500 PLANTS OBSERVI PLSS: T03S, R04E, S UTM: Zone-10 N416 County Summary: | NICA. NE-FACIN S. ED IN 1996. INC Sec. 24 (M) | NG SLOPE. SOIL MAPPED AS W CLUDES FORMER OCCURRENC Accuracy: Latitude/Longitude: Quad Summary: | 'ISFLAT-ARBURUA-SAN TIMOTEC E #43. specific area | O COMPLEX. Area (acres): 3 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11657 | | EO Index: | | 17117 | |
|---------------------|-------------------|---|-----------------------|--------------------------|--|--|
| Key Quad: | Vernalis (3712 | 163) | Element Code: | Element Code: PDAST2E0U0 | | |
| Occurrence Number: | 1 | | Occurrence Last U | pdated: | 2014-04-25 | |
| Scientific Name: C | irsium crassicaul | e | Common Name: | slough th | istle | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | |
| | State: | None | Other Lists: | BLM_S-S | Sensitive | |
| CNDDB Element Ranks | s: Global: | G2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CHENOPOD SCRUB, M | ARSHES AND S | WAMPS, RIPARIAN SCRUB. | SLOUGHS, RIVERE | BANKS, AN | ND MARSHY AREAS. 3-100 M. | |
| Last Date Observed: | 1974-05-27 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1974-05-27 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n | |
| Presence: | Presumed Exta | nt | | | | |
| _ocation: | | | | | | |
| APPROXIMATELY 1 MI | LE NORTH OF S | SAN JOAQUIN RIVER CLUB ON | SAN JOAQUIN RIVER. | | | |
| Detailed Location: | | | | | | |
| | | BASED ON THE LOCATION DES R' (ON QUAD)". STOCKING ALSO | | | DE BY STOCKING IN MAY 1974, "NEAR 2N S R6E SEC 11 IN SPRING 1974. | |
| Ecological: | | | | | | |
| RIPARIAN/RUDERAL. | | | | | | |
| Threats: | | | | | | |
| N AREAS OF INTENSI | VE AGRICULTU | RE. SITE IS ON PUBLIC LAND A | ND IS THREATENED. | | | |
| General: | | | | | | |
| FEWER THAN 10 PLAN | ITS OBSERVED | IN 1974. THE AREA HAS BURNI | ED SINCE COLLECTION V | VAS MADI | Ε. | |
| PLSS: T03S, R06E, S | ec. 02 (M) | Accuracy: | 1/5 mile | | Area (acres): 0 | |
| UTM: Zone-10 N4173 | 3528 E652475 | Latitude/Longitude: | 37.69631 / -121.27050 | | Elevation (feet): 35 | |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin | | Vernalis (3712163) | | | | |
| Sources: | | | | | | |
| STO74F0001 STOC | KINGS, S FIE | LD SURVEY FORM FOR CIRSIU | M CRASSICAULE 1974-05 | -27 | | |

STO74U0002 STOCKING, S. - CNPS OBSERVATION CARD FOR CIRSIUM CRASSICAULE 1974-XX-XX



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 11452 | | EO Index: | | 12555 |
|----------------------|------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Key Quad: | Solyo (37121 | 53) | Element Code: | | PDAST2L0C0 |
| Occurrence Number: | 1 | | Occurrence Last U | Occurrence Last Updated: 1989-08-11 | |
| Scientific Name: L | eptosyne hamilto | onii | Common Name: | Mt. Hami | lton coreopsis |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | |
| | State: | None | Other Lists: | BLM_S-S | Sensitive |
| CNDDB Element Rank | s: Global: | G2 | | | |
| | State: | S2 | | | |
| General Habitat: | | | Micro Habitat: | | |
| CISMONTANE WOODL | AND. | | ON STEEP SHALE 530-1300 M. | TALUS WI | ITH OPEN SOUTHWESTERN EXPOSURE |
| Last Date Observed: | 1957-05-19 | | Occurrence Type: | Natural/ | Native occurrence |
| Last Survey Date: | 1957-05-19 | | Occurrence Rank: | Unknow | 'n |
| Owner/Manager: | UNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| Location: | | | | | |
| NEAR LOOKOUT STAT | TION, SUMMIT C | OF MT. OSO, MT. HAMILTON RA | ANGE. | | |
| Detailed Location: | | | | | |
| Ecological: | | | | | |
| ON ROCKY SOIL, 3250 | -3355 FT ELEV | ATION. | | | |
| Threats: | | | | | |
| General: | | | | | |
| SEEN IN 1949 AND 195 | | | | | |
| PLSS: T05S, R05E, S | | Accuracy: | 1/5 mile | | Area (acres): 0 |
| UTM: Zone-10 N415 | 2406 E643727 | Latitude/Longitude: | 37.50742 / -121.37383 | | Elevation (feet): 3,250 |
| County Summary: | | Quad Summary: | | | |
| Stanislaus | | Solyo (3712153), Lon | ne Tree Creek (3712154) | | |
| Sources: | | | | | |
| FER57S0001 FERF | RIS, R. ET AL I | FERRIS #13091 DS, RSA 1957-0 |)5-19 | | |
| ROD49S0001 RODI | N, R RODIN # | 4928 UC #1250189, DS, OBI 194 | 49-05-07 | | |
| ROS49S0003 ROSE | - I ROSE #49 | 9130 RSA 1949-05-08 | | | |

ROS49S0003 ROSE, L. - ROSE #49130 RSA 1949-05-08



California Department of Fish and Wildlife



| Map Index Number: | 42199 | | EO Index: | | 42199 | |
|---|---|--|-------------------------------|---|---|--|
| Key Quad: | Solyo (371215 | 53) | Element Code: | Element Code:PDAST2L0C0Occurrence Last Updated:2005-11-04 | | |
| Occurrence Number: | 13 | | Occurrence Last U | | | |
| Scientific Name: Le | eptosyne hamilto | nii | Common Name: | Mt. Hamil | ton coreopsis | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | | |
| | State: | None | Other Lists: | BLM_S-S | ensitive | |
| CNDDB Element Ranks | s: Global: | G2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CISMONTANE WOODL | AND. | | ON STEEP SHALE 530-1300 M. | TALUS WI | TH OPEN SOUTHWESTERN EXPOSURI | |
| Last Date Observed: | 1995-05-04 | | Occurrence Type: | Natural/N | Native occurrence | |
| Last Survey Date: | 1995-05-04 | | Occurrence Rank: | Excellen | t | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| Presence: | Presumed Exta | int | | | | |
| Location: | | | | | | |
| | | ABOUT 0.7 MILE NORTHEAST | OF MT. OSO SUMMIT, SO | UTHWEST | OF SOLYO. | |
| SLOPES ON EAST FAC | E OF MIT. 050, | | | | | |
| | E OF MIT. 030, | | | | | |
| Detailed Location: | | DF SECTION 12. | | | | |
| Detailed Location: MAPPED WITHIN THE Ecological: | NW 1/4 SE 1/4 C | | | | | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING | NW 1/4 SE 1/4 C | | ANTS FOUND MID-SLOPE | . SUBSTR | ATE: FRANCISICAN FORMATION. | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: | NW 1/4 SE 1/4 C | I SELAGINELLA DOMINANT. PL/ | | . SUBSTR | ATE: FRANCISICAN FORMATION. | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: GRAZING PRESSURE | NW 1/4 SE 1/4 C | | | . SUBSTR | ATE: FRANCISICAN FORMATION. | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: GRAZING PRESSURE General: | NW 1/4 SE 1/4 C G SLOPES WITH ON SITE IS LOV | I SELAGINELLA DOMINANT. PL/ | | . SUBSTR | ATE: FRANCISICAN FORMATION. | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: GRAZING PRESSURE General: 250 PLANTS OBSERVE | NW 1/4 SE 1/4 C G SLOPES WITH ON SITE IS LOV ED IN 1995. | I SELAGINELLA DOMINANT. PL/ | HIGH. | . SUBSTR | | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: GRAZING PRESSURE General: | NW 1/4 SE 1/4 C G SLOPES WITH ON SITE IS LOV ED IN 1995. ec. 12 (M) | I SELAGINELLA DOMINANT. PL/ | | . SUBSTR | ATE: FRANCISICAN FORMATION. Area (acres): 2 Elevation (feet): 2,000 | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: GRAZING PRESSURE General: 250 PLANTS OBSERVE PLSS: T05S, R05E, S UTM: Zone-10 N4153 | NW 1/4 SE 1/4 C G SLOPES WITH ON SITE IS LOV ED IN 1995. ec. 12 (M) | H SELAGINELLA DOMINANT. PL/ V. FERAL PIG DISTURBANCE IS Accuracy: Latitude/Longitude: | HIGH. specific area | . SUBSTR | Area (acres): 2 | |
| Detailed Location: MAPPED WITHIN THE Ecological: STEEP SOUTH-FACING Threats: GRAZING PRESSURE General: 250 PLANTS OBSERVE PLSS: T05S, R05E, S | NW 1/4 SE 1/4 C G SLOPES WITH ON SITE IS LOV ED IN 1995. ec. 12 (M) | H SELAGINELLA DOMINANT. PL/ V. FERAL PIG DISTURBANCE IS Accuracy: | HIGH. specific area | . SUBSTR | Area (acres): 2 | |





| Map Index Number: Key Quad: Occurrence Number: | 83363 Solyo (3712153) 23 | | EO Index: Element Code: Occurrence Last U | pdated: | 6756 PDAST650E0 2011-07-12 | |
|--|--|---|---|---------------------|--|-------------|
| Scientific Name: M | adia radiata | | Common Name: | showy gol | den madia | |
| Listing Status: | Federal: Non | ne | Rare Plant Rank: | 1B.1 | | |
| CNDDB Element Ranks | State: Non s: Global: G2 State: S2 | ne | Other Lists: | BLM_S-Se SB_RSAB | ensitive G-Rancho Santa Ana Botanic | Garden |
| General Habitat: | | | Micro Habitat: | | | |
| VALLEY AND FOOTHIL CHENOPOD SCRUB. | L GRASSLAND, CISM | IONTANE WOODLAND, | MOSTLY ON ADOE 1125 M. | BE CLAY IN | GRASSLAND OR AMONG SH | IRUBS. 25- |
| Last Date Observed: | 1938-04-18 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: | 2010-04-12 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Extant | | | | | |
| Location: | | | | | | |
| LOWER HOSPITAL CAI | NYON. | | | | | |
| Detailed Location: | | | | | | |
| | | ENERALLY BY CNDDB TO E ECTION 24 AS PER PRESTO | | NW-FACINO | G SLOPES IN THE SOUTH HA | LF OF |
| Ecological: | | | | | | |
| NW OPEN SLOPES, MO | DIST HEAVY CLAY. | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| SITE BASED ON A 193 TRANSMISSION LINES | | | IONS BY HOOVER AND | ROSE. PRE | STON SURVEYED VICINITY | OF ELECTRIC |
| PLSS: T04S, R05E, S | ec. 24 (M) | Accuracy: | 4/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4160 |)147 E643916 | Latitude/Longitude: | 37.57713 / -121.37018 | | Elevation (feet): | 500 |
| County Summary: | | Quad Summary: | | | | |
| San Joaquin, Stanislaus | | Solyo (3712153), Lone | Tree Creek (3712154) | | | |
| Sources: | | | | | | |
| HOO38S0023 HOO | /ER, R HOOVER #3 | 065 UC #761805, JEPS #73 | 99 1938-04-10 | | | |
| PRE10F0013 PRES | TON, R. (ICF INTERN | IATIONAL, INC.) - FIELD SU | RVEY FORM FOR MADIA | | 2010-04-12 | |
| ROS38S0006 ROSE | , L ROSE #38147 U | IC #830899 1938-04-18 | | | | |
| WOL37S0025 WOLF | F, C WOLF #8403 RS | SA #21469 UCR #47742 193 | 37-03-31 | | | |



California Natural Diversity Database



| Map Index Number: | 11232 | | EO Index: | | 6755 | |
|--|---------------|---------------------------|----------------------------|------------|-------------------------------------|--|
| Key Quad: | Tracy (371216 | 54) | Element Code: | | PDAST650E0 | |
| Occurrence Number: | 24 | | Occurrence Last U | pdated: | 2011-07-12 | |
| Scientific Name: M | ladia radiata | | Common Name: | showy go | olden madia | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | |
| | State: | None | Other Lists: | BLM_S-S | | |
| CNDDB Element Ranks | s: Global: | G2 | | SB_RSA | BG-Rancho Santa Ana Botanic Garden | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| VALLEY AND FOOTHIL CHENOPOD SCRUB. | L GRASSLAND | , CISMONTANE WOODLAND, | MOSTLY ON ADOE 1125 M. | BE CLAY IN | N GRASSLAND OR AMONG SHRUBS. 25 | |
| Last Date Observed: | 1922-04-02 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 2010-04-12 | | Occurrence Rank: | Unknow | 'n | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| CORRAL HOLLOW, MT | . HAMILTON RA | NGE. | | | | |
| Detailed Location: | | | | | | |
| EXACT LOCATION UNI MAPPED IN HOLLOW I | | | INITY OF CASTLE ROCK | AS PER PI | RESTON'S SUGGESTION, PREVIOUSLY | |
| Ecological: | | | | | | |
| GROWING ON A CLAY | HILLTOP. | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| SITE IS BASED ON A 1 WAS PRESENT. | 922 COLLECTIO | ON BY JEPSON. PRESTON SUR | VEYED VICINITY OF CARI | NEGIE (SI | TE) IN 2010, BUT NO SUITABLE HABITA | |
| PLSS: T03S, R04E, S | ec. 25 (M) | Accuracy: | 1 mile | | Area (acres): 0 | |
| UTM: Zone-10 N4166 | 6750 E633133 | Latitude/Longitude: | 37.63825 / -121.49106 | | Elevation (feet): 600 | |
| County Summary: | | Quad Summary: | | | | |
| | | Lone Tree Creek (371 | 2154), Tracy (3712164), Mi | dway (371 | 2165) | |
| San Joaquin | | | | | | |
| San Joaquin Sources: | | | | | | |

PRE10F0012 PRESTON, R. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR MADIA RADIATA 2010-04-12



California Department of Fish and Wildlife



| FIL DIVERSITI DATE | | | | | | | | |
|--|--|---|--|--|---|---|---|--|
| Map Index Nun Key Quad: Occurrence Nu | Tr | 3733 racy (371216 | 4) | | EO Index: Element Code: Occurrence Last U | pdated: | 17775 PDBOR01050 2013-07-30 | |
| Scientific Name | e: Amsir | nckia grandifle | ora | | Common Name: | large-flov | vered fiddleneck | |
| _isting Status: | : | Federal: | Endange | red | Rare Plant Rank: | 1B.1 | | |
| CNDDB Eleme | nt Ranks: | State: Global: State: | Endanger G1 S1 | red | Other Lists: | SB_UCB | BG-UC Berkeley Botanical Ga | rden |
| General Habita | at: | | | | Micro Habitat: | | | |
| CISMONTANE | WOODLAND |), VALLEY A | ND FOOTH | HILL GRASSLAND. | ANNUAL GRASSLA | ND IN VA | RIOUS SOILS. 275-550 M. | |
| ast Date Obse | erved: 20 | 11-04-01 | | | Occurrence Type: | Natural/ | Native occurrence | |
| ast Survey Da | ate: 20 ⁻ | 11-04-01 | | | Occurrence Rank: | Good | | |
| Owner/Manage | er: PV | T, UNKNOW | /N | | Trend: | Decreas | sing | |
| Presence: | Pr€ | esumed Exta | nt | | | | | |
| ocation: | | | | | | | | |
| | NORTHERN | | 13 PAVLIN | SHEKNOWN AS N | | | YON," MAPPED ACCORDING | |
| ASEMENT. ACOlogical: IORTHERN PC SLOPE, ASSOC Threats: IEAVILY OVEF Beneral: I POLYGON: 3 ORIGINALLY IE PLSS: T03S, | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) | ING CANYI JSH LUPIN LED BY CA 000-4000 S 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: | TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area | L GRASSI | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): | : VERY STEE POLYGON: 10 |
| ASEMENT. Cological: NORTHERN PC SLOPE, ASSOC Threats: HEAVILY OVEF General: N POLYGON: 3 DRIGINALLY IE PLSS: T03S, JTM: Zone-1 | OLYGON: ST CIATED WITI RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) | ING CANY JSH LUPIN LED BY CA 000-4000 S 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area | L GRASSI | .AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F | : VERY STEE POLYGON: 10 |
| ASEMENT. Cological: NORTHERN PC SLOPE, ASSOC Threats: HEAVILY OVEF General: N POLYGON: 3 DRIGINALLY IE PLSS: T03S, JTM: Zone-1 County Summa | OLYGON: ST CIATED WITI RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) | ING CANYI JSH LUPIN LED BY CA 000-4000 S 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area | L GRASSI | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): | : VERY STEE POLYGON: 10 |
| ASEMENT. Cological: IORTHERN PC COPE, ASSOC hreats: IEAVILY OVEF General: I POLYGON: 3 DRIGINALLY IE PLSS: T03S, ITM: Zone-1 County Summa County Summa | OLYGON: ST CIATED WITI RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) | ING CANYI JSH LUPIN LED BY CA 000-4000 S 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area | L GRASSI | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): | : VERY STEE POLYGON: 10 |
| ASEMENT. ACOLOGICAL: IORTHERN PC SLOPE, ASSOC hreats: IEAVILY OVEF ACOLOGICAL OVEF A | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: | EEP N-FAC H SILVERBL ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 | ING CANY JSH LUPIN ED BY CA 000-4000 S 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 | L GRASSI | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): | POLYGON: 10 900 |
| ASEMENT. cological: IORTHERN PC LOPE, ASSOC hreats: IEAVILY OVEF ieneral: I POLYGON: 3 PRIGINALLY IE LSS: T03S, ITM: Zone-1 county Summa an Joaquin iources: AR08U0001 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 | ING CANYO JSH LUPIN LED BY CA 000-4000 S 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL 1 8-09-04 | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 | L GRASSI | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E | POLYGON: 10 900 |
| ASEMENT. cological: ORTHERN PC LOPE, ASSOC hreats: EAVILY OVEF ieneral: POLYGON: 3 RIGINALLY IE LSS: T03S, TM: Zone-1 county Summa an Joaquin ources: AR08U0001 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH | TEEP N-FAC H SILVERBL ND TRAMPL S IN 1991, 30 WITH 200-300 31 (M) 5 E634812 N, T. (LAWRE ISITIVITY OF I & WILDLIFE | ING CANY JSH LUPIN ED BY CA 000-4000 S 0 PLANTS 0 PLANTS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL 1 8-09-04 | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 | L GRASSI | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): | POLYGON: 10 900 |
| ASEMENT. cological: ORTHERN PC LOPE, ASSOC hreats: EAVILY OVEF eneral: POLYGON: 3 RIGINALLY IE LSS: T03S, TM: Zone-1 ounty Summa an Joaquin ources: AR08U0001 WS09R0005 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH REVIEW; | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 S E634812 N, T. (LAWRE ISITIVITY OF I & WILDLIFE SUMMARY / | ING CANYO JSH LUPIN LED BY CA 000-4000 S 0 PLANTS 0 PLANTS ENCE LIVE R NOT 2000 E SERVICE AND EVAL | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL I 8-09-04 E - SACRAMENTO - A UATION 2009-01-XX | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 | L GRASSL 1995, 150) ANN HO | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E | POLYGON: 10 900 BITTMAN, RE: |
| ASEMENT. cological: ORTHERN PC LOPE, ASSOC hreats: EAVILY OVEF ieneral: POLYGON: 3 PRIGINALLY IE LSS: T03S, TM: Zone-1 county Summa an Joaquin ources: AR08U0001 WS09R0005 ICB11F0005 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH REVIEW; MCBRIDE | TEEP N-FAC H SILVERBL ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 N, T. (LAWRE ISITIVITY OF I & WILDLIFE SUMMARY / | ING CANY JSH LUPIN ED BY CA 000-4000 S 0 PLANTS 0 PLANTS ENCE LIVE R NOT 2003 E SERVICE AND EVAL SH AND W | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL I 8-09-04 E - SACRAMENTO - A UATION 2009-01-XX ILDLIFE SERVICE) - | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 | L GRASSI 1995, 150) ANN HO I (LARGE- R AMSINC | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E FLOWERED FIDDLENECK) 5- | POLYGON: 10 900 BITTMAN, RE: |
| ASEMENT. Cological: IORTHERN PC COOPE, ASSOC hreats: IEAVILY OVEF General: I POLYGON: 3 ORIGINALLY IE USS: T03S, ITM: Zone-1 County Summa County | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH REVIEW; MCBRIDE MULLANY | EEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 WITH 200-300 31 (M) 5 E634812 N, T. (LAWRE ISITIVITY OF I & WILDLIFE SUMMARY / E, E. (U.S. FIS (, D. & G. BE | ING CANYO JSH LUPIN LED BY CA D00-4000 S 0 PLANTS 0 PLANTS ENCE LIVE R NOT 2000 E SERVICE AND EVAL SH AND W EMAN - FI | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL I 8-09-04 E - SACRAMENTO - A UATION 2009-01-XX ILDLIFE SERVICE) - ELD SURVEY FORM | TTERED SAGE IN ANNUAL TBRUSH. FENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 | D ANN HO | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E FLOWERED FIDDLENECK) 5- SKIA GRANDIFLORA 2011-04- 091-04-18 | POLYGON: 10 900 BITTMAN, RE: |
| ASEMENT. Cological: NORTHERN PC SLOPE, ASSOC Threats: HEAVILY OVEF General: N POLYGON: 3 DRIGINALLY IE PLSS: T03S, JTM: Zone-1 County Summa San Joaquin County Summa CAR08U0001 TWS09R0005 MCB11F0005 MUL91F0011 MUL91S0001 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH REVIEW; MCBRIDE MULLANY MULLEN, PAVLIK, E | TEEP N-FAC H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 SITIVITY OF I & WILDLIFE SUMMARY / E, E. (U.S. FIS (, D. & G. BEE 3 CURREN | ING CANYO JSH LUPIN LED BY CA 2000-4000 S 0 PLANTS 0 PLANTS ENCE LIVE R NOT 2000 E SERVICE AND EVAL SH AND W EEMAN - FI EMAN - MUI IT STATUS | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL I 8-09-04 E- SACRAMENTO - A UATION 2009-01-XX ILDLIFE SERVICE) - ELD SURVEY FORM LLEN SN RSA #5847. S OF NATURAL AND | TTERED SAGE IN ANNUAL TBRUSH. FENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 LABORATORY) - EMAIL TO MSINCKIA GRANDIFLORA FIELD SURVEY FORM FOR FOR AMSINCKIA GRANDII 43, CAS #893182, GH #424 |) ANN HO (LARGE- R AMSINC FLORA 19 751 1991- | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E FLOWERED FIDDLENECK) 5- SKIA GRANDIFLORA 2011-04- 091-04-18 | POLYGON: 10 900 BITTMAN, RE: YEAR |
| ASEMENT. Cological: NORTHERN PC SLOPE, ASSOC Threats: HEAVILY OVEF General: N POLYGON: 3 DRIGINALLY IE PLSS: T03S, JTM: Zone-1 County Summa Sources: CAR08U0001 TWS09R0005 MCB11F0005 MUL91F0011 MUL91S0001 PAV93R0001 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH REVIEW; MCBRIDE MULLANY MULLEN, PAVLIK, E DIFFEREI PAVLIK, E | TEEP N-FACI H SILVERBU ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 SITIVITY OF I & WILDLIFE SUMMARY / E, E. (U.S. FIS (, D. & G. BEE A. & G. BEE 3 CURREN NT MANAGE 3 TALES O | ING CANYO JSH LUPIN ED BY CA 000-4000 S 0 PLANTS 0 PLANTS ENCE LIVE R NOT 2000 E SERVICE AND EVAL SH AND W EMAN - FI SMAN - MUI IT STATUS EMENT REC OF SUCCES | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL I 8-09-04 E - SACRAMENTO - A UATION 2009-01-XX ILDLIFE SERVICE) - ELD SURVEY FORM LLEN SN RSA #5847 S OF NATURAL AND I GIMES 1993-11-XX SS AND FAILURE: TR | TTERED SAGE IN ANNUAL TBRUSH. FENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN 7 PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 LABORATORY) - EMAIL TO MSINCKIA GRANDIFLORA FIELD SURVEY FORM FOF FOR AMSINCKIA GRANDII 43, CAS #893182, GH #424 REINTRODUCED POPULAT | C GRASSI 1995, 150 ANN HO (LARGE- R AMSINC FLORA 19 751 1991- TIONS OF | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E FLOWERED FIDDLENECK) 5- KIA GRANDIFLORA 2011-04- 991-04-18 | POLYGON: 10 900 BITTMAN, RE: YEAR 01 UNDER |
| ASEMENT. Cological: NORTHERN PC SLOPE, ASSOC Threats: HEAVILY OVEF General: N POLYGON: 3 DRIGINALLY IE PLSS: T03S, JTM: Zone-1 | OLYGON: ST CIATED WITH RGRAZED AI 3200 PLANTS DENTIFIED V R05E, Sec. 3 10 N4165816 ary: CARLSON EO 8 SEN U.S. FISH REVIEW; MCBRIDE MULLANY MULLEN, PAVLIK, E GRANDIF PAVLIK, E | EEP N-FAC H SILVERBL ND TRAMPL S IN 1991, 30 VITH 200-300 31 (M) 5 E634812 N, T. (LAWRE ISITIVITY OF I & WILDLIFE SUMMARY / E, E. (U.S. FIS (, D. & G. BEE A. & G. BEE A. & G. BEE S CURREN NT MANAGE S TALES O LORA UNDE | ING CANYO JSH LUPIN LED BY CA 2000-4000 S 0 PLANTS 0 PLANTS 0 PLANTS ENCE LIVE R NOT 2000 E SERVICE AND EVAL SH AND W EMAN - FI EMAN - FI EMAN - MUI IT STATUS EMAN - FI EMAN - MUI EMAN - MUI | ACCORDING TO 201 ON WALL WITH SCA IE AND INDIAN PAIN TTLE. ALSO THREAT EEEN IN 1993, 2000-3 SEEN IN 2010, >600 Accuracy: Latitude/Longitude: Quad Summary: Tracy (3712164) ERMORE NATIONAL I 8-09-04 E - SACRAMENTO - A UATION 2009-01-XX UATION 2009-01-XX UATION 2009-01-XX UATION 2009-01-XX UATION 2009-01-XX UATION 2009-01-XX S OF NATURAL AND I GIMES 1993-11-XX SS AND FAILURE: TR EENT MANAGEMENT | TTERED SAGE IN ANNUAL TBRUSH. TENED BY FERAL PIGS. 500 IN 1994, 2000-3500 IN PLANTS SEEN IN 2011. specific area 37.62959 / -121.47220 LABORATORY) - EMAIL TO MSINCKIA GRANDIFLORA FIELD SURVEY FORM FOF FOR AMSINCKIA GRANDIFLORA FIELD SURVEY FORM FOF FOR AMSINCKIA GRANDIFLORA REINTRODUCED POPULAT REINTRODUCED POPULAT | C GRASSI 1995, 150 ANN HO (LARGE- R AMSINC FLORA 19 751 1991- TIONS OF REINTROE | AND. SOUTHERN POLYGON 0-2500 IN 1996, 0 IN 2003. S F Area (acres): Elevation (feet): WALD, FORWARDED TO R. E FLOWERED FIDDLENECK) 5- KIA GRANDIFLORA 2011-04- 091-04-18 04-18 | I: VERY STEE POLYGON: 10 900 BITTMAN, RE: YEAR 01 UNDER ISINCKIA |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: 2 | 24802 | | EO Index: | | 60709 |
|--|---------------------------------------|--|--|-------------------|---|
| Key Quad: | Solyo (371215 | 53) | Element Code: | | PDBRA0M0E0 |
| Occurrence Number: | 41 | | Occurrence Last U | pdated: | 2015-09-22 |
| Scientific Name: Caul | lanthus lemme | onii | Common Name: | Lemmon' | s jewelflower |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks: | Global: | G3 | | SB_SBB USFS S- | G-Santa Barbara Botanic Garden Sensitive |
| | State: | S3 | | | |
| General Habitat: | | | Micro Habitat: | | |
| PINYON-JUNIPER WOOD | LAND, VALLE | EY AND FOOTHILL GRASSLAND. | . 80-1220 M. | | |
| Last Date Observed: 1 | 938-04-18 | | Occurrence Type: | Natural/I | Native occurrence |
| Last Survey Date: 1 | 938-04-18 | | Occurrence Rank: | Unknow | n |
| Owner/Manager: U | NKNOWN | | Trend: | Unknow | n |
| Presence: P | resumed Exta | ant | | | |
| Location: | | | | | |
| HOSPITAL CANYON, ARC | UND 500 FC | OT ELEVATION. | | | |
| Detailed Location: | | | | | |
| MAPPED AS BEST GUES ELEVATION. | S NON-SPEC | IFICALLY ALONG THE MAIN RO | AD THROUGH HOSPITAL | CANYON | BETWEEN 400 AND 600 FEET IN |
| Ecological: | | | | | |
| OPEN SLOPES. | | | | | |
| Threats: | | | | | |
| General: | | | | | |
| General. | | CTION 1938 HOOVER COLLECT | ION FROM "HOSPITAL C | ANYON AT | THE BEND" AND A 1938 HOWELL |
| SITE BASED ON A 1938 R | | YON" ARE ALSO ATTRIBUTED TO | | DWORK. | |
| SITE BASED ON A 1938 R | SPITAL CAN | | | .DWORK. | Area (acres): 179 |
| SITE BASED ON A 1938 R COLLECTION FROM "HO | SPITAL CANY . 24 (M) | YON" ARE ALSO ATTRIBUTED TO | O THIS SITE. NEEDS FIEL | .DWORK. | |
| SITE BASED ON A 1938 R COLLECTION FROM "HO PLSS: T04S, R05E, Sec. | SPITAL CANY . 24 (M) | YON" ARE ALSO ATTRIBUTED TO Accuracy: | O THIS SITE. NEEDS FIEL nonspecific area | .DWORK. | Area (acres): 179 |
| SITE BASED ON A 1938 R COLLECTION FROM "HOS PLSS: T04S, R05E, Sec. UTM: Zone-10 N415974 | SPITAL CANY . 24 (M) | YON" ARE ALSO ATTRIBUTED TO Accuracy: Latitude/Longitude: | O THIS SITE. NEEDS FIEL nonspecific area 37.57361 / -121.37539 | .DWORK. | Area (acres): 179 |
| SITE BASED ON A 1938 R COLLECTION FROM "HOS PLSS: T04S, R05E, Sec. UTM: Zone-10 N415974 County Summary: | SPITAL CANY . 24 (M) | YON" ARE ALSO ATTRIBUTED TO Accuracy: Latitude/Longitude: Quad Summary: | O THIS SITE. NEEDS FIEL nonspecific area 37.57361 / -121.37539 | .DWORK. | Area (acres): 179 |
| SITE BASED ON A 1938 R COLLECTION FROM "HOS PLSS: T04S, R05E, Sec. UTM: Zone-10 N415974 County Summary: San Joaquin, Stanislaus Sources: | SPITAL CAN) . 24 (M) 18 E643462 | YON" ARE ALSO ATTRIBUTED TO Accuracy: Latitude/Longitude: Quad Summary: | O THIS SITE. NEEDS FIEL nonspecific area 37.57361 / -121.37539 Tree Creek (3712154) | DWORK. | Area (acres): 179 |

ROS38S0020 ROSE, L. - ROSE #38152 UC #855876, GH #379086, LA #51326 1938-04-18



California Department of Fish and Wildlife



| Map Index Number | : 11363 | | EO Index: | 24 | 437 | | |
|-------------------------------|----------------------|-----------------------------|-----------------------|---------------|---------------------------------|--|--|
| Key Quad: | Tracy (371216 | 64) | Element Code: | Р | DBRA2R010 | | |
| Occurrence Number | er: 2 | | Occurrence Last Upda | | dated: 1996-01-11 | | |
| Scientific Name: | Tropidocarpum ca | apparideum | Common Name: | caper-fruited | tropidocarpum | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | | |
| | State: | None | Other Lists: | | Rancho Santa Ana Botanic Garder | | |
| CNDDB Element R | anks: Global: | G1 | | USFS_S-Ser | nsitive | | |
| | State: | S1 | | | | | |
| General Habitat: | | | Micro Habitat: | | | | |
| ALLEY AND FOOTHILL GRASSLAND. | | | ALKALINE CLAY. 1 | -455 M. | | | |
| Last Date Observe | d: 1937-04-03 | | Occurrence Type: | Natural/Nati | ve occurrence | | |
| Last Survey Date: | 1987-03-XX | | Occurrence Rank: | None | | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | | |
| Presence: | Extirpated | | | | | | |
| Location: | | | | | | | |
| TRACY. | | | | | | | |
| Detailed Location: | | | | | | | |
| Ecological: | | | | | | | |
| Threats: | | | | | | | |
| General: | | | | | | | |
| SITE VISITED BY D | R. DEAN TAYLOR I | N 1987, AND NO HABITAT REM | /AINS. | | | | |
| PLSS: T02S, R05 | E, Sec. 21 (M) | Accuracy: | 1 mile | | Area (acres): 0 | | |
| UTM: Zone-10 N | 4178125 E638678 | Latitude/Longitude: | 37.73992 / -121.42606 | | Elevation (feet): 50 | | |
| County Summary: | | Quad Summary: | | | | | |
| San Joaquin | | Tracy (3712164), Un | ion Island (3712174) | | | | |
| Sources: | | | | | | | |
| COB00S0001 C | OBB, B COBB SN | JEPS #54251 1900-04-01 | | | | | |
| HOO37S0022 H | OOVER, R HOOV | ER #1733 UC #762956, DS 193 | 7-04-03 | | | | |
| | | | | | | | |
| | ICHENER & BIOLE | TTI - MICHENER SN UC #11724 | 0 1892-XX-XX | | | | |





| Map Index Number: | 55515 | | EO Index: | | 55515 | |
|--|---|--|---|-----------|---|-------------------|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | PDBRA2R010 | |
| Occurrence Number: | 20 | | Occurrence Last U | pdated: | 2011-04-28 | |
| Scientific Name: T | ropidocarpum ca | pparideum | Common Name: | caper-fru | ited tropidocarpum | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.1 | | |
| | State: | None | Other Lists: | | BG-Rancho Santa Ana Botanic | Garden |
| CNDDB Element Ranks | s: Global: | G1 | | USFS_S- | Sensitive | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| VALLEY AND FOOTHILL GRASSLAND. | | ALKALINE CLAY. 1- | -455 M. | | | |
| Last Date Observed: | 1962-04-20 | | Occurrence Type: | Natural/ | Native occurrence | |
| Last Survey Date: | 1998-XX-XX | | Occurrence Rank: | None | | |
| | UNKNOWN | | Trend: | Unknow | n | |
| Owner/Manager: | | | | | | |
| Owner/Manager: Presence: | Possibly Extirpa | ated | | | | |
| • | | ated | | | | |
| Presence: Location: | Possibly Extirpa | ated UTH FACING DITCH BANK BETW | | D RR TRAG | CKS. | |
| Presence: Location: | Possibly Extirpa | | | D RR TRAG | CKS. | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: | Possibly Extirpa | | VEEN SHULTE ROAD AND | | | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL | Possibly Extirpa | UTH FACING DITCH BANK BETW | VEEN SHULTE ROAD AND | | | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: | Possibly Extirpa OF TRACY, SO TE ROAD WHE | UTH FACING DITCH BANK BETW | VEEN SHULTE ROAD AND | | | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: | Possibly Extirpa OF TRACY, SO TE ROAD WHE | UTH FACING DITCH BANK BETW | VEEN SHULTE ROAD AND | | | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH | Possibly Extirpa OF TRACY, SO TE ROAD WHE | UTH FACING DITCH BANK BETW | VEEN SHULTE ROAD AND | | | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH Threats: WEEDY INVASIVES. | Possibly Extirpa OF TRACY, SO TE ROAD WHE | UTH FACING DITCH BANK BETW | VEEN SHULTE ROAD AND | | | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH Threats: WEEDY INVASIVES. General: COLLECTED HERE BY | Possibly Extirpa OF TRACY, SO TE ROAD WHE BANK. | UTH FACING DITCH BANK BETW | VEEN SHULTE ROAD ANE RR TRACKS SOUTHWES HIS PLANT WAS SEEN IN | ST OF TRA | CY. CY REGION. HRUSA VISITED ⁻ | THE SITE I |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH Threats: WEEDY INVASIVES. General: COLLECTED HERE BY | Possibly Extirpa OF TRACY, SO TE ROAD WHE BANK. FULLER IN 196 OMINATED BY 1 | UTH FACING DITCH BANK BETW RE IT RUNS PARALLEL TO THE 2. THIS WAS THE LAST TIME TH | VEEN SHULTE ROAD ANE RR TRACKS SOUTHWES HIS PLANT WAS SEEN IN | ST OF TRA | CY. CY REGION. HRUSA VISITED ⁻ | THE SITE II 97 |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH Threats: WEEDY INVASIVES. General: COLLECTED HERE BY 1998 AND FOUND IT D PLSS: T02S, R05E, S | Possibly Extirpa OF TRACY, SOL TE ROAD WHE BANK. FULLER IN 196 OMINATED BY I ec. 31 (M) | UTH FACING DITCH BANK BETW RE IT RUNS PARALLEL TO THE 2. THIS WAS THE LAST TIME TH BROMUS DIANDRUS AND CENT | VEEN SHULTE ROAD AND RR TRACKS SOUTHWES HIS PLANT WAS SEEN IN AUREA SOLSTITIALIS; NO | ST OF TRA | CY. CY REGION. HRUSA VISITED ⁻ OCARPUM SEEN. | |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH Threats: WEEDY INVASIVES. General: COLLECTED HERE BY 1998 AND FOUND IT D PLSS: T02S, R05E, S UTM: Zone-10 N4175 | Possibly Extirpa OF TRACY, SOL TE ROAD WHE BANK. FULLER IN 196 OMINATED BY I ec. 31 (M) | UTH FACING DITCH BANK BETW RE IT RUNS PARALLEL TO THE 2. THIS WAS THE LAST TIME TH BROMUS DIANDRUS AND CENT Accuracy: | VEEN SHULTE ROAD ANE RR TRACKS SOUTHWES IIS PLANT WAS SEEN IN AUREA SOLSTITIALIS; NO nonspecific area | ST OF TRA | CY. CY REGION. HRUSA VISITED OCARPUM SEEN. Area (acres): | 97 |
| Presence: Location: 2 MILES SOUTHWEST Detailed Location: MAPPED ALONG SHUL Ecological: SOUTH-FACING DITCH Threats: WEEDY INVASIVES. General: COLLECTED HERE BY 1998 AND FOUND IT D PLSS: T02S, R05E, S | Possibly Extirpa OF TRACY, SOL TE ROAD WHE BANK. FULLER IN 196 OMINATED BY I ec. 31 (M) | UTH FACING DITCH BANK BETW RE IT RUNS PARALLEL TO THE 2. THIS WAS THE LAST TIME TH BROMUS DIANDRUS AND CENT Accuracy: Latitude/Longitude: | VEEN SHULTE ROAD ANE RR TRACKS SOUTHWES IIS PLANT WAS SEEN IN AUREA SOLSTITIALIS; NO nonspecific area | ST OF TRA | CY. CY REGION. HRUSA VISITED OCARPUM SEEN. Area (acres): | 97 |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 66908 | | EO Index: | 45787 | | |
|---|--------------------|--|-----------------------|--------------------|---|--|
| Key Quad: | Tracy (3712164 | ·) | Element Code: | PDGE | R01070 | |
| Occurrence Number: | 38 | | Occurrence Last U | pdated: 2009-0 | 2009-06-03 | |
| Scientific Name: Ca | alifornia macrophy | ılla | Common Name: | round-leaved filar | ee | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | | |
| | State: | None | Other Lists: | BLM_S-Sensitive | | |
| CNDDB Element Ranks | : Global: | G3? | | _ | ho Santa Ana Botanic Garden Barbara Botanic Garden | |
| | State: | S3? | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CISMONTANE WOODL | AND, VALLEY AN | ID FOOTHILL GRASSLAND. | CLAY SOILS. 15-12 | 00 M. | | |
| Last Date Observed: | 1938-04-XX | | Occurrence Type: | Natural/Native of | currence | |
| Last Survey Date: | 1938-04-XX | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Extan | t | | | | |
| Location: | | | | | | |
| THOMAS HANAN RANG | CH, 2 MILES SOU | THEAST OF TRACY. | | | | |
| Detailed Location: | | | | | | |
| EXACT LOCATION UNP | NOWN. MAPPE | D BY CNDDB AS BEST GUESS | AT TWO AIR MILES SOUT | HEAST OF DOWN | ITOWN TRACY. | |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| General: | | | | | | |
| | | CTION BY BELLUE. 1892 COLLI BUTED HERE. INCLUDES FORM | | | | |
| | 05 (14) | Accuracy: | 1 mile | | Area (acres): 0 | |
| PLSS: T02S, R05E, S | ec. 35 (IVI) | | | | | |
| | | Latitude/Longitude: | 37.72391 / -121.39765 | | Elevation (feet): | |
| PLSS: T02S, R05E, S | | Latitude/Longitude: Quad Summary: | 37.72391 / -121.39765 | | Elevation (feet): | |
| PLSS: T02S, R05E, S UTM: Zone-10 N4176 | | - | 37.72391 / -121.39765 | | Elevation (feet): | |
| PLSS: T02S, R05E, S UTM: Zone-10 N4176 County Summary: | | Quad Summary: | 37.72391 / -121.39765 | | Elevation (feet): | |
| PLSS: T02S, R05E, S UTM: Zone-10 N4176 County Summary: San Joaquin Sources: | 392 E641211 | Quad Summary: | 37.72391 / -121.39765 | | Elevation (feet): | |

TUG38S0001 TUGEL, A. - TUGEL SN CDA #1, 55, & 57 1938-04-XX



California Department of Fish and Wildlife



| Map Index Number: | 86205 | | EO Index: | 87240 | | |
|--|-------------------------------|----------------------------|------------------------|--|--|--|
| Key Quad: | Lone Tree Cre | ook (3712154) | Element Code: | PDGER01070 | | |
| Occurrence Number: | 160 | JON (JI 12134) | Occurrence Last U | | | |
| | 100 | | Occurrence Last O | | | |
| Scientific Name: C | alifornia macrop | hylla | Common Name: | round-leaved filaree | | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | | |
| | State: | None | Other Lists: | BLM_S-Sensitive | | |
| CNDDB Element Ranks | s: Global: | G3? | | SB_RSABG-Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden | | |
| | State: | S3? | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CISMONTANE WOODL | AND, VALLEY A | AND FOOTHILL GRASSLAND. | CLAY SOILS. 15-12 | 200 M. | | |
| Last Date Observed: 1938-04-18 | | | Occurrence Type: | Natural/Native occurrence | | |
| Last Survey Date: | 1938-04-18 | | Occurrence Rank: | k: Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| HOSPITAL CANYON, S | AN JOAQUIN C | OUNTY. | | | | |
| Detailed Location: | | | | | | |
| | KNOWN. MAPPI | ED AS BEST GUESS BY CNDDB | ALONG PORTION OF HO | SPITAL CANYON WITHIN SAN JOAQUIN COUNTY | | |
| Ecological: | | | | | | |
| Threats: | | | | | | |
| | | R THIS OCCURRENCE IS A 193 | | | | |
| | | | | | | |
| PLSS: T04S, R05E, S | . , | Accuracy: | nonspecific area | Area (acres): 497 | | |
| UTM: Zone-10 N4158 | 5029 E643264 | Latitude/Longitude: | 37.55815 / -121.37797 | Elevation (feet): | | |
| | County Summary: Quad Summary: | | | | | |
| County Summary: | | | | | | |
| County Summary: San Joaquin, Stanislaus | ; | | e Tree Creek (3712154) | | | |



California Department of Fish and Wildlife

California Natural Diversity Database



| Map Index Number: | 20372 | | EO Index: | | 9499 | |
|---------------------|------------------|---|------------------------------------|-------------|---|----------|
| Key Quad: | Solyo (37121 | 53) | Element Code: | | PDHYD0C3Q0 | |
| Occurrence Number: | 7 | | Occurrence Last U | pdated: | 1992-03-05 | |
| Scientific Name: P | hacelia phacelio | ides | Common Name: | Mt. Diablo | phacelia | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | | |
| | State: | None | Other Lists: | BLM_S-Se | ensitive | |
| CNDDB Element Ranks | : Global: | G1 | | | | |
| | State: | S1 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CHAPARRAL, CISMON | TANE WOODLA | AND. | ADJACENT TO TRA SOMETIMES ON SE | | OCK OUTCROPS AND TALU E. 500-1370 M. | S SLOPES |
| Last Date Observed: | 1949-05-08 | | Occurrence Type: | Natural/N | lative occurrence | |
| Last Survey Date: | 1949-05-08 | | Occurrence Rank: | Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| MT OSO, ABOUT 0.25 | AIR MILE SSE C | OF SUMMIT ALONG TRAIL. | | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| | | NTINIZED FRANCISCAN CHERT AND QUERCUS DOUGLASII. | . ASSOCIATES: CRYPTAN | ITHA SP., E | EMMENANTHE SP., ADENOS | TOMA |
| Threats: | | | | | | |
| General: | | | | | | |
| ONLY SOURCE OF INF | ORMATION FC | R THIS OCCURRENCE IS A 194 | 9 COLLECTION BY CONS | TANCE. NE | EDS FIELDWORK. | |
| PLSS: T05S, R05E, S | ec. 13 (M) | Accuracy: | 2/5 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4152 | 2117 E643763 | Latitude/Longitude: | 37.50481 / -121.37348 | | Elevation (feet): | 3,500 |
| | | Quad Summary: | | | | |
| County Summary: | | | | | | |



California Natural Diversity Database



| Map Index Number: | 28969 | | EO Index: | | 30511 | |
|--|--|--|---|------------|---|----|
| Key Quad: | Solyo (371215 | 53) | Element Code: | | PDMAL0Q0F0 | |
| Occurrence Number: | 10 | | Occurrence Last U | pdated: | 2010-10-13 | |
| Scientific Name: M | alacothamnus ha | allii | Common Name: | Hall's bus | sh-mallow | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 1B.2 | | |
| | State: | None | Other Lists: | BLM_S-S | Sensitive | |
| CNDDB Element Ranks | s: Global: | G2 | | | | |
| | State: | S2 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CHAPARRAL, COASTA | L SCRUB. | | SOME POPULATIO | NS ON SE | RPENTINE. 10-730 M. | |
| Last Date Observed: | 1995-05-04 | | Occurrence Type: | Natural/I | Native occurrence | |
| Last Survey Date: | 1995-05-04 | | Occurrence Rank: | Excellen | t | |
| Owner/Manager: | PVT | | Trend: | Unknow | n | |
| Presence: | Presumed Exta | int | | | | |
| | | | | | | |
| Location: | | | | | | |
| | E OF MOUNT C | DSO, ABOUT 0.7 MILE FROM SU | MMIT. | | | |
| SLOPES ON EAST FAC | E OF MOUNT C | DSO, ABOUT 0.7 MILE FROM SU | MMIT. | | | |
| SLOPES ON EAST FAC | | DSO, ABOUT 0.7 MILE FROM SU HALF OF THE SE 1/4 OF SECTIO | | THE NE 1 | 1/4 OF SECTION 13. | |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT | | | | THE NE 1 | 1/4 OF SECTION 13. | |
| Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL | HIN THE EAST | HALF OF THE SE 1/4 OF SECTIO | ON 12 AND THE NE 1/4 OF | | | HA |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: | HIN THE EAST HAPARRAL SLO ARKIA BREWEI | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. | ON 12 AND THE NE 1/4 OF | | | HA |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I | HIN THE EAST HAPARRAL SLO ARKIA BREWEI | HALF OF THE SE 1/4 OF SECTIO | ON 12 AND THE NE 1/4 OF | | | HA |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I General: | HIN THE EAST I HAPARRAL SLO ARKIA BREWEN S HIGH AT THIS | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. S SITE. LIGHT GRAZING ALSO C | ON 12 AND THE NE 1/4 OF | | | НА |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I General: 100,000 PLANTS OBSE | HIN THE EAST I HAPARRAL SLO ARKIA BREWEI S HIGH AT THIS RVED BY TAYL | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. 6 SITE. LIGHT GRAZING ALSO C OR IN 1995. | ON 12 AND THE NE 1/4 OF I THIS AREA INCLUDE CO DCCURS. | | HAMILTONII, ACANTHOMINTI | |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I General: 100,000 PLANTS OBSE PLSS: T05S, R05E, S | HIN THE EAST I HAPARRAL SLO ARKIA BREWEN S HIGH AT THIS RVED BY TAYL ec. 12 (M) | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. S SITE. LIGHT GRAZING ALSO C OR IN 1995. Accuracy: | DN 12 AND THE NE 1/4 OF I THIS AREA INCLUDE CO DCCURS. specific area | | HAMILTONII, ACANTHOMINTI Area (acres): | 82 |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I General: 100,000 PLANTS OBSE | HIN THE EAST I HAPARRAL SLO ARKIA BREWEN S HIGH AT THIS RVED BY TAYL ec. 12 (M) | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. 6 SITE. LIGHT GRAZING ALSO C OR IN 1995. | ON 12 AND THE NE 1/4 OF I THIS AREA INCLUDE CO DCCURS. | | HAMILTONII, ACANTHOMINTI | |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I General: 100,000 PLANTS OBSE PLSS: T05S, R05E, S | HIN THE EAST I HAPARRAL SLO ARKIA BREWEN S HIGH AT THIS RVED BY TAYL ec. 12 (M) | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. S SITE. LIGHT GRAZING ALSO C OR IN 1995. Accuracy: | DN 12 AND THE NE 1/4 OF I THIS AREA INCLUDE CO DCCURS. specific area | | HAMILTONII, ACANTHOMINTI Area (acres): | 82 |
| SLOPES ON EAST FAC Detailed Location: MAPPED MOSTLY WIT Ecological: RECENTLY BURNED C LANCEOLATA, AND CL Threats: FERAL PIG ROOTING I General: 100,000 PLANTS OBSE PLSS: T05S, R05E, S UTM: Zone-10 N4152 | HIN THE EAST I HAPARRAL SLO ARKIA BREWEN S HIGH AT THIS RVED BY TAYL ec. 12 (M) | HALF OF THE SE 1/4 OF SECTIO OPES. OTHER RARE PLANTS IN RI. S SITE. LIGHT GRAZING ALSO C OR IN 1995. Accuracy: Latitude/Longitude: | DN 12 AND THE NE 1/4 OF I THIS AREA INCLUDE CO DCCURS. specific area | | HAMILTONII, ACANTHOMINTI Area (acres): | 82 |

TAY95F0018 TAYLOR, D. - FIELD SURVEY FORM FOR MALACOTHAMNUS HALLII 1995-05-04





| Map Index Number: | 61549 | | EO Index: | | 61585 |
|-----------------------|----------------|--|-----------------------|----------|---|
| Key Quad: | Tracy (371216 | 64) | Element Code: | | PDPAP0A0D0 |
| Occurrence Number: | 10 | | Occurrence Last U | pdated: | 2015-03-24 |
| Scientific Name: Esc | hscholzia rhor | nbipetala | Common Name: | diamond | -petaled California poppy |
| _isting Status: | Federal: | None | Rare Plant Rank: | 1B.1 | |
| | State: | None | Other Lists: | BLM_S-S | |
| CNDDB Element Ranks: | Global: | G1 | | SB_RSA | BG-Rancho Santa Ana Botanic Garden |
| | State: | S1 | | | |
| General Habitat: | | | Micro Habitat: | | |
| ALLEY AND FOOTHILL | GRASSLAND | | ALKALINE, CLAY S | LOPES AN | ND FLATS. 0-975 M. |
| _ast Date Observed: | 950-03-26 | | Occurrence Type: | Natural/ | Native occurrence |
| _ast Survey Date: | 950-03-26 | | Occurrence Rank: | Unknow | 'n |
| Dwner/Manager: | JNKNOWN | | Trend: | Unknow | 'n |
| Presence: | Presumed Exta | ant | | | |
| _ocation: | | | | | |
| CORRAL HOLLOW, ABO | UT 0.125 MILE | E SOUTHEAST OF CASTLE ROO | CK. | | |
| Detailed Location: | | | | | |
| | | ED ABOUT 0.125 MILE SOUTHE ND "TESLA HILLS AT MOUTH C | | | AD. COLLECTIONS FROM "CORRAL ITRIBUTED TO THIS SITE. |
| Ecological: | | | | | |
| ON DEEP ADOBE SOIL V | VITH PHACEL | IA AND MONOLOPIA. | | | |
| Threats: | | | | | |
| General: | | | | | |
| | | TE IS A 1940 COLLECTION BY N COLLECTION ARE ALSO ATTR | | | CALLY ABUNDANT. 1937 HOOVER LDWORK. |
| PLSS: T03S, R04E, Sec | c. 25 (M) | Accuracy: | 1/10 mile | | Area (acres): 0 |
| JTM: Zone-10 N41665 | 38 E633390 | Latitude/Longitude: | 37.63630 / -121.48818 | | Elevation (feet): 600 |
| County Summary: | | Quad Summary: | | | |
| San Joaquin | | Tracy (3712164) | | | |
| Sources: | | | | | |
| | | ER #1737 UC #765993 1937-04- | 03 | | |
| HOO37S0062 HOOVE | к, к пооv | LK #1737 UC #705995 1957-04- | 88 | | |
| | | ICCLINTOCK SN RSA #97194 19 | | | |





| Map Index Number: | 74258 | | EO Index: | | 75246 | |
|----------------------|----------------|-----------------------------|-----------------------|------------------|-------------------------|----------|
| Key Quad: | Solyo (371218 | 53) | Element Code: | | PDPLM030C0 | |
| Occurrence Number: | 24 | | Occurrence Last U | pdated: | 2009-03-30 | |
| Scientific Name: Er | iastrum tracyi | | Common Name: | Tracy's eria | astrum | |
| Listing Status: | Federal: | None | Rare Plant Rank: | 3.2 | | |
| | State: | Rare | Other Lists: | USFS_S-Se | ensitive | |
| CNDDB Element Ranks | : Global: | G3Q | | | | |
| | State: | S3 | | | | |
| General Habitat: | | | Micro Habitat: | | | |
| CHAPARRAL, CISMON | TANE WOODLA | ND. | GRAVELLY SHALE | OR CLAY; C | OFTEN IN OPEN AREAS. 31 | 5-760 M. |
| Last Date Observed: | 1957-05-19 | | Occurrence Type: | Natural/Na | ative occurrence | |
| Last Survey Date: | 1957-05-19 | | Occurrence Rank: | : Unknown | | |
| Owner/Manager: | UNKNOWN | | Trend: | Unknown | | |
| Presence: | Presumed Exta | ant | | | | |
| Location: | | | | | | |
| MT. OSO, SADDLE AT S | SOUTHERN BA | SE OF PEAK. | | | | |
| Detailed Location: | | | | | | |
| Ecological: | | | | | | |
| LOWER SLOPES OF MO | OUNTAIN. | | | | | |
| Threats: | | | | | | |
| | | R THIS OCCURRENCE IS 1957 E | | N | | |
| | | | | ν. | • ` | 0 |
| PLSS: T05S, R05E, Se | · · / | Accuracy: | 1/10 mile | | Area (acres): | 0 |
| UTM: Zone-10 N4152 | 098 E643767 | Latitude/Longitude: | 37.50463 / -121.37344 | | Elevation (feet): | 3,200 |
| County Summary: | | Quad Summary: | | | | |
| Stanislaus | | Solyo (3712153) | | | | |
| Sources: | | | | | | |